

# OSG REPORT 2020

Fiscal year ended November 2020



# ZERO-ONE

# From Imagination to Creation

Building on its leadership in the world market for taps, OSG has evolved into an integrated manufacturer and supplier of tools, including drills, end mills, and rolling dies.

With an approach that emphasizes communication through tools we have built a network spanning 33 countries as part of our commitment to our customers' expectations.

We aim to be the world's number one manufacturer of hole-making cutting tools.

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### "Hanging Earth"

A chain that splits magma from the earth, extending from the core as if it is hanging the planet, leading it toward the universe. A representation of OSG's corporate philosophy.

Misaire

Sculptor: Kenji Misawa October 6, 2020

### **Editorial Policy**

The OSG Report is published primarily for investors. As an integrated report, it encompasses management strategies for medium- to long-term growth, and information about the environmental, social, and governance (ESG) systems on which our growth is based, together with results and financial information for the fiscal year ended November 2020. Various information about OSG is also available on our corporate website. We hope that this report and the information on the website will help readers to achieve a fuller understanding of our activities. We will continue our efforts to provide editorial content that meets readers' expectations.

### Disclaimer Regarding Forward-Looking Statements

Apart from information based on historical facts, all references in this report to plans, strategies, forecasts, or management initiatives pertaining to the future business performance of OSG are forward-looking statements and as such represent assumptions and judgments based on information currently available. Actual results may differ from the results predicted in this report due to various factors, including trends in the economic environment in which OSG operates, product demand and price trends, the development of new products, sales, raw material prices, and exchange rate fluctuations.

# PHILOSOPHY

### **Tool Communication**

OSG's products are created through communication with our customers. Communication is indispensable to our ability to supply products and services that truly meet customers' needs, and to our continuing efforts to develop better products.

### **Global Presence**

As a comprehensive cutting tool manufacturer, we make products that at a fundamental level contribute to enhancing people's quality of life. Through continuous growth, we have established a production, sales, and technical support network spanning 33 countries.

Our corporate aim is to continue to expand our operations globally and strengthen our contribution to the manufacturing industries in the world.

# shaping your dreams

We want to give shape to the aspirations of every customer. That goal motivates us to continue taking up new challenges as we work to support manufacturing industries worldwide.

### Message from Top Management

We would like to begin by expressing our sincere sympathy to everyone affected by the COVID-19 pandemic, and our profound respect for all medical professionals working in the frontline to combat the disease.

During the COVID-19 crisis, we have made the safety of our employees our first priority. We have continually gathered information about the impact on our business operations, including our supply chains, and used that information as the basis for timely decision-making about the measures needed to ensure business continuity. The entire OSG Group remains united in our efforts to overcome the present difficulties while fulfilling our responsibilities to all stakeholders.

The global economic environment worsened rapidly in the year ended November 2020 with the spread of the COVID-19 pandemic. The situation had a severe impact on the automotive and aerospace industries, which are major users of our products, with the result that we were unable to achieve our targets under the "Next Stage 17" Medium-term Management Plan, which we launched in 2017.

In November 2021, we revamped OSG's management structure in response to this situation.

We want the OSG Group to be the world's top manufacturer of hole-making cutting tools, and we are working to realize this ambition through wide-ranging growth strategies. They include the expansion of product sales, M&A that is intended to grow our sales channels and business operations, and initiatives that improve productivity through digital transformation. The OSG Group is also determined to contribute to sustainable social development by strengthening environmental protection measures, and enhancing governance systems. We will also focus on ESG initiatives that reflect the philosophy behind the Sustainable Development Goals (SDGs). By making this transition to our new structure, we aim to build flexible and more robust management systems to carry the OSG Group forward amid the uncertainties of the with-COVID and post-COVID eras.

We are confident that humanity will overcome the COVID-19 threat. However, it seems unlikely the world will ever return to its pre-COVID state, and that we will need to adapt to a 'new normal', in which our past assumptions are no longer valid. Regardless of how the environment changes from now on, the entire OSG Group will continue to approach all of our business operations in good faith and with the shared goal of achieving growth by enhancing the added value of OSG as a brand trusted by our customers.

We look forward to the continuing support and understanding of our stakeholders.





Whikawa

Norio Ishikawa Chairman & CEO Nobuaki Osawa President & COO

# Building the future with our own hands

ALWAYS MOVING FORWARD

Nobuaki Osawa

President & COO



### A Path to Success Stretching 10 Years, 20 Years into the Future

Everywhere people are working to survive and make progress amid the continuing uncertainty in a world transformed by the emergence of a previously unknown virus

In the year ending November 2021, we have taken the first steps on a new path to the future by adopting a new management structure for OSG. The entire OSG organization is united in our determination to overcome the difficulties resulting from this uncertain situation by drawing on the full potential of OSG's unique spirit of meeting and overcoming every challenge, and by adopting new perspectives in a changing environment.

This year marks the 83rd anniversary of OSG's founding. The entire management team recognizes the next five years as a pivotal period for achieving growth in the run-up to our centenary and is determined to build an even brighter future for OSG. My mission as President and COO is to provide steady leadership, and to strengthen and enhance our management structure so that we can achieve further improvement in our corporate value.

# Achievements under the "Next Stage 17" Medium-term Management Plan

The current year marks the completion of the "Next Stage 17" Medium-term Management Plan, which we launched in the year ended November 2017. Strategic initiatives designed to increase our shares of global markets for key products resulted in sustained growth in our financial indicators through the year ended November 2018. However, subsequent performance trends were impacted by the emergence of trade friction between the United States and China in the second half of 2019, and by the recession triggered by the COVID-19 pandemic in the year ended November 2020. As a result, we were ultimately unable to achieve our targets of net sales of ¥150 billion, operating income of ¥30 billion, and an operating income margin of 20%.

However, we believe that our efforts over the past four years have brought tangible progress, and we are confident that the OSG Group will be able to move forward steadily toward our goal of becoming the world's top manufacturer of hole-making cutting tools.

The COVID-19 pandemic caused a temporary

slowdown in our major end-user strategy, under which we produce order-made tools and suggest processing methods. Despite this, we succeeded in building relationships with new customers in the automotive and aerospace industries, which are major users of our products. We also made progress with our catalogue item sales strategy, through which we help customers to improve their productivity by supplying tools that provide excellent cost performance. In addition to the global expansion of the A Brand series of high-performance tools, we also steadily increased our market share by introducing many new products. Another key growth driver was the global expansion of the "A-Club" distribution organization as an additional source of momentum for sales.

We have made good progress with our efforts to improve productivity through the OSG 4.0 Project. The focus of this project is to use digital technology to create production systems that allow us to reduce lead times and maximize profit with ultra-high-variety low-volume production, while improving efficiency through the automation of large-lot production. In May 2020, we commenced operations on schedule at the NEO Shinshiro Factory, which will be the test bed for OSG 4.0. Packed with next-generation technology, this new factory will enhance our capacity to win orders and contribute to profit maximization as our core manufacturing facility. We plan to extend innovations at the NEO Shinshiro Factory progressively to our other plants.

Under another key strategy for the OSG Group, we maintained a dynamic M&A program targeting the expansion of both sales channels and business areas with the aim of strengthening our business operations, especially in Europe and The Americas. The OSG Group has grown to over 90 companies in 33 countries.

The new Medium-term Management Plan will be formulated during the fiscal year ending November 30, 2021, in light of the changing business environment due to the impact of the spread of the COVID-19 infection.

### Basic Policies for the Year Ending November 2021

Forecasting remains difficult in the year ending November 2021 because of continuing uncertainty about the world economic outlook due to the effects of the COVID-19 pandemic. However, encouraging signs are increasingly emerging, with both the Chinese and U.S. economies now

on recovery trends. There is also evidence of an emerging recovery in the European automotive sector. We are also seeing a recovery in orders received by the OSG Group since the fall of 2020. In the year ending November 2021, we will move forward steadily with the measures outlined below.

Our most important priority is to expand our shares of overseas markets. The catalogue business will play a central role under the 'new normal,' and we will actively focus our efforts toward the expansion of sales of our flagship range of A Brand products through our extensive overseas network. We will also work to raise our market presence by aggressively launching new products.

In addition, we will seek out new customers for our order-made products, which are developed to meet specific user needs. In addition to our traditional focus on the automotive and aerospace industries, we will also target areas with future growth potential, such as 5G, electric vehicles (EVs), and healthcare. Communication with customers is vital in these areas. We aim to strengthen our presence in growth markets by using face-to-face and online meetings to gather up-to-the-minute information, and by demonstrating OSG's superior technology, exceptional service, and competitiveness.

In addition, we will continue to strengthen our coating business in anticipation of demand growth in a wide spectrum of industries.

Our priority for post-merger integration (PMI) for companies newly added through M&A is to ensure that

each company is managed in a way that maximizes returns and synergies.

### Adapting to the Accelerating Shift to Electric Vehicles (EVs)

Our business environment is changing dramatically. The most important issue for OSG at present is the automotive sector's accelerating shift to electric vehicles. While this trend is expected to result in reduced processing of parts for fuel-powered engines, there could also be opportunities resulting from the need to process new types of parts. We are determined to capture a share of this new market by working with a sense of urgency to gather information and offer added value to customers. We are confident that the global technology, service, and production structures that OSG has built will give us a key advantage in this market.

In recent years, we have worked to enhance our coating technology. We will expand this area of expertise and use it as a stepping-stone to the development of new technologies and products for EV parts. We will differentiate OSG from its competitors by further expanding our global network of coating centers.

# Restructuring Our Global Production Operations

The OSG Group has production facilities in 17 countries.



We need to develop structures that will raise operating rates at these facilities and maximize their output. Imbalances in product mixes at each factory are currently reflected in variations in operating rates. Going forward, we will develop production structures based on global perspectives with the aim of raising operating rates and maximizing productivity. Specifically, we will take steps to achieve overall optimization of our operations, including the adjustment of product mixes to reflect the size of individual facilities, the installation of more labor-saving and automated equipment, and the use of IT to aggregate data and support centralized process control.

### Contribution to the Creation of a Sustainable Society

The OSG Group has a corporate philosophy called 'Earth Family' which includes the meaning of contributing to the global manufacturing industries. Based on this corporate philosophy, we have adopted the Sustainable Development Goals (SDGs) and are focusing on ESG management with the aim of contributing to the sustainable development of society through our business activities.

Protection of the global environment is recognized as a shared priority for the entire human race. Our environmental activities are guided by our commitment to eco-friendly manufacturing, including the development of long-life products that help to reduce resource consumption, and the efficient use of resources. The entire OSG Group is also contributing to the development of a recycling-based society through the recycling of carbide products and through its after-sales services, including regrinding and recoating services.

We are also determined to build and maintain sound relationships with all of our stakeholders, and to work in closer harmony with society. We respect diversity in our work force and implement our own approach to work-style reform with the dual aims of enhancing employee happiness and motivation and improving productivity. In addition, we have started to modify our work methods to create healthy workplaces in which everyone can work with confidence despite the COVID-19 situation.

We have enhanced the transparency and independence of our governance structure and strengthened management oversight functions by developing a Board of Directors in which five of the eight

seats are occupied by outside directors. Our new management structure was designed to foster stronger management teamwork through a clear division of roles between the Chairman and CEO, who is responsible for group management and ESG, and the President and COO, who handles management planning and provides leadership for executive functions.

### **Financial and Capital Strategy**

The core goal of our financial strategy for the year ending November 2021 is to strengthen our financial structure and business base from a medium- to long-term perspective. Our targets include capital expenditure of ¥6 billion and consolidated free cash flow of ¥11 billion. We aim to reduce capital expenditure and other outflows during the COVID-19 crisis, in order to restore our cash position in readiness for increased investment in the year ending November 2022 and beyond.

To secure reliable access to funds in the year ending November 2021, we procured long-term loans totaling ¥10 billion from financial institutions. We also established commitment lines totaling ¥10 billion with our main banks to cover unexpected funding needs that may emerge due to various contingencies, such as if the effects of the COVID-19 pandemic continue longer than anticipated.

With an equity ratio of 64.6%, we believe that OSG is maintaining its financial soundness. While aiming to achieve a return on equity (ROE) ratio of over 10%, we are also working to maintain a balance between the provision of funds for strategic growth investment and financial soundness, and shareholder returns.

We recognize the distribution of profits to shareholders as a management priority. Our basic policy on shareholder returns is to maintain a consolidated dividend payout ratio of 30% or higher, while also considering other factors, such as cash flows and our financial position. We have set the dividend for the year ended November 2020 at ¥22, consisting of interim and final dividends of ¥11 each.

It is not easy for a company to maintain consistent growth in this time of increasing uncertainty. We are determined to use this time to build the future of OSG with our own hands by further enhancing our corporate value and contributing to sustainable social development. We look forward to the continuing support and understanding of our stakeholders.

# HISTORY X CULTURE

Since its establishment in Tokyo in 1938, OSG has grown in the global cutting tool market by developing a variety of original technologies, such as for tap grinding with grindstones, and by building its own overseas sales channels. The driving force that has enabled us to create advanced technology and build a global network spanning 33 countries is the unique OSG spirit of meeting and overcoming every difficulty and challenge. We will continue to take up new challenges on our path to even greater success and growth on a global scale.

**>**1938–

**>**1960

**>**1970

**>**1980

**>**1990

### **OVERSEAS**

### 1968

OSG Tap and Die (USA) (now OSG USA, Inc.) was established



1969



Taiho Tool Mfg. Co., Ltd. (Taiwan) was established.



1974

OSG Ferramentas de Precisão Ltda. (Brazil) (now OSG Sulamericana de Ferramentas Ltda.) was established

### 1993



OSG Asia Pte Ltd. was established in Singapore as the holding company for



### **PRODUCTS**

1938

Began to manufacture taps and dies.

1956

Began to manufacture rolling dies.



1970

Began to manufacture HSS end mills. 1980

Began to manufacture carbide end mills

1984 Began to

1987

Began to manufacture cutter



1942

Began to manufacture gauges.





manufacture drills

bodies.



Α



1938

Hideo Osawa established OSG Grinding Co., Ltd. in Tokyo.

1943

Established Aichi Factory (now OSG Academy).

1961

Toyokawa Factory began operation.

1963

Changed the company name to OSG MFG. Company.

1967

Oike Factory began operation.

1971

Toyohashi Factory began operation.

1981

OSG was listed on the First Section of the Tokyo and Nagoya stock exchanges.

1982

Shinshiro Factory began operation.

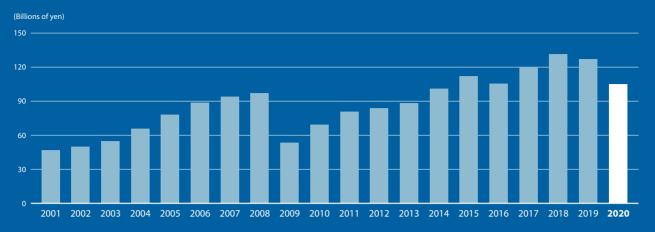
1990

Yana Factory began operation.

1993

Relocated corporate headquarters to Toyokawa, Aichi.

### **Net sales**



**>**2000 **>**2010 **>**2020

1997

OSG Europe S.A. was established in Belgium as the holding company for Europe.



2001

OSG (Shanghai) Co., Ltd. (China) was established.



2003

OSG Italia S.R.L. was established.

2003

OSG GmbH (Germany) was established.

2005

OSG (India) Pvt, Ltd. was established.

2012

OSG Turkey Kesici Takımlar Sanayi ve Ticaret A.Ş. was established. Global Network

Sales offices 33 countries

Manufacturing 17

facilities 17 countries

R&D locations 7 countries



2014

Introduced 'The A Brand' product brand.



# OSG CULTURE

- Expansion of business operations on a global scale
- Close communication through tools
- Provision of optimal processing solutions
- Development of high-added-value products
- > Comprehensive quality management

1998 Established CS Center.



2000

Nine business sites in Japan were certified under ISO 14001.

2004

Established Design Center.



2006

Established Global Technology Center.



2007

All OSG products were certified under ISO 9001.

2014

Achieved consolidated net sales of ¥100 billion in FY2014.

2018

Celebrated 80th anniversary.



2020

Established NEO Shinshiro Factory.

# PRODUCTS × INDUSTRIES

OSG technology supports manufacturing industries worldwide through products that set a new standard in machining precision and efficiency. We help our customers to solve their problems by supplying products that combine competitive prices with world-class quality.



Taps are used to cut 'female' screw threads on the inside surfaces of holes. They are vital for the processing of precision screws, such as those used in automobile engines, and have been flagship products for OSG ever since its establishment.



**DRILLS** 

Drills are hole-cutting tools used in the production of automotive parts and other products that require advanced processing techniques. OSG is focusing on the expansion of sales of carbide drills for high-efficiency processing and the drilling of difficult-to-cut materials.



**END MILLS** 

End mills are used to create shapes by cutting away metal. They are able to cut and contour molds for plastic parts, primarily for home appliances, die-casting dies for automotive parts, stamping molds, and the processing of aircraft parts.



**ROLLING DIES** 

Rolling dies are used to form threads on round bars and are also applied to the production of automotive parts. OSG is working to expand its sales of counter-flow rolling dies.



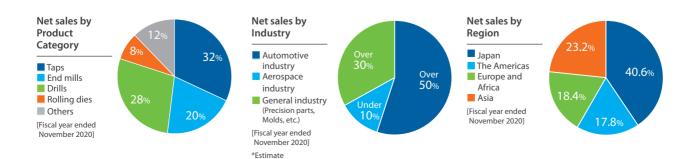
**INDEXABLE TOOLS** 

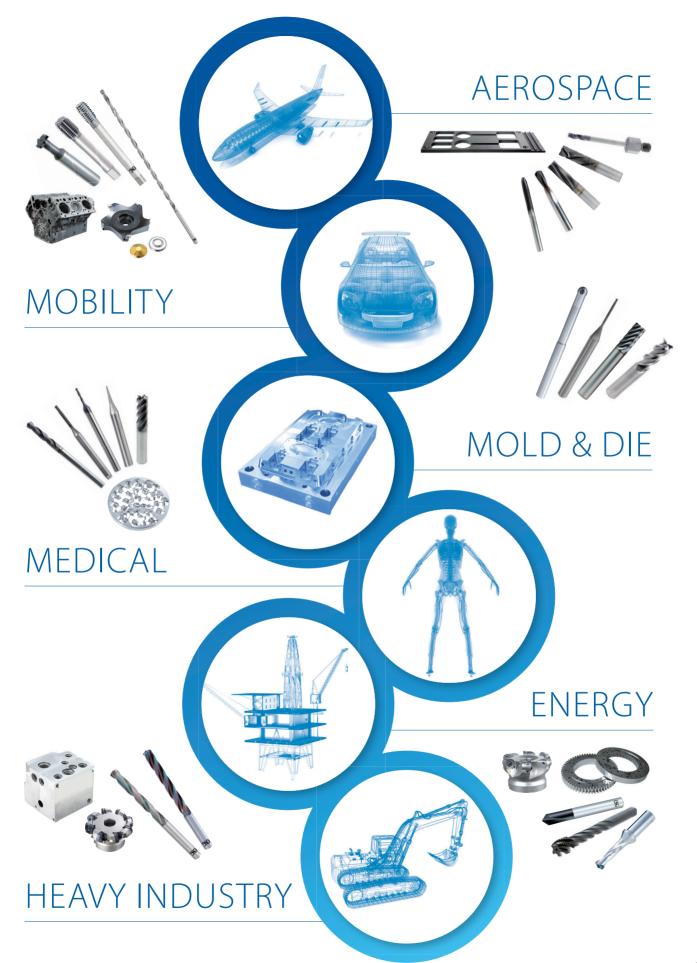
Indexable tools, which are cutting tools with exchangeable blades, are used to cut metal to produce dies and mechanical parts. While end mills are used for finishing, indexable tools are intended for roughing.



**GAUGES** 

Gauges are used to measure the accuracy of threads, holes, and other parts. Accuracy inspection has become an extremely important process because of the trend toward increasing product precision and compliance with international standards.





# BUSINESS MODEL × STRENGTHS

OSG has consistently exceeded the expectations of all stakeholders by supplying unique products and services that provide high added value to manufacturing operations throughout the world.

# Social Issues **Environment** ▶ Global warming **▶** Biodiversity ▶ Resource depletion Natural disasters ▶ Decarbonized society Society ▶ World population growth Low birthrates and aging in developed countries ▶ Inequality ▶ Social change caused by AI and the IoT ▶ Changes in industrial structures ▶ The spread of infectious diseases



**Highly Effective Corporate** 





The OSG Group supports the philosophy behind the Sustainable Development Goals (SDGs) and is determined to contribute to the sustainable development of society through its business activities.

### **Accumulated Strengths**

### Platform sharing

OSG has tangible and intangible assets that can be used throughout the entire Group. OSG Group companies around the world can share our unique platforms, including our coating technologies, our test cutting experience, and our accumulated know-how for improving our customers' productivity.

### **Excellent corporate culture**

OSG's outstanding management perspective has enabled us to cultivate an excellent corporate culture. By maintaining and improving this corporate culture, we can facilitate post-merger integration (PMI) and create a lot of synergy with new Group companies.

### **Global network**

Since establishing its first overseas subsidiary in the United States in 1968, OSG has built a network of sales offices in 33 countries. This network allows us to identify trends in the global cutting tool market while also monitoring customer needs through our local marketing activities.

### Governance Structure >> P.20

# OSG will continue to supply optimal cutting tools to frontline production operations worldwide.

### Contributing to Stakeholders



### **Local communities**

Sustainable improvement of living standards, industries, and culture



### **Customers**

Improvement of satisfaction level through products and services that surpass expectations



# Shareholders/investors

Improvement of share value through sustainable profit growth and shareholder returns



### **Suppliers**

Development of co-creation relationships that lead to two-way value improvement



### **Employees**

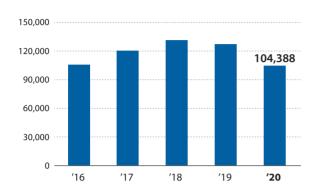
Creation of a corporate culture in which both the company and the individual can achieve growth

| OUTPUT Fi             | nancial capital (as | of November 30, 2020) |               |                      |       |
|-----------------------|---------------------|-----------------------|---------------|----------------------|-------|
| Net sales             | ¥104.3 billion      | Operating income      | ¥8.3 billion  | Overseas sales ratio | 59.4% |
| Interest-bearing debt | ¥41.7 billion       | EBITDA                | ¥18.9 billion | ROE                  | 4.4%  |

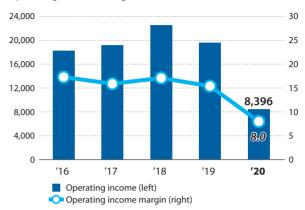
### Financial and Non-Financial Highlights

### **Financial Highlights**

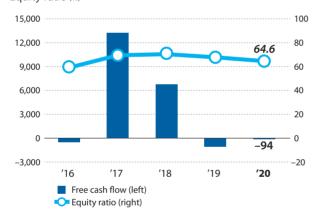
Net sales (millions of yen)



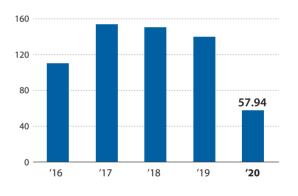
Operating income (millions of yen) Operating income margin (%)



Free cash flow (millions of yen)
Equity ratio (%)

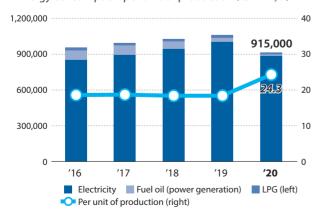


Earnings per share (EPS) (yen)

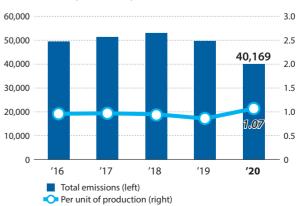


### Non-Financial Highlights

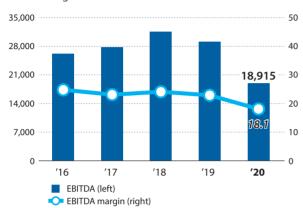
Energy consumption (GJ)
Energy consumption per unit of production (GJ/million yen)



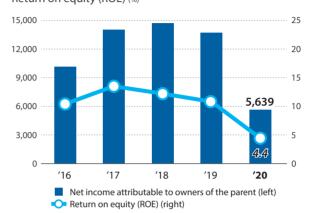
CO<sub>2</sub> emissions (t) CO<sub>2</sub> emissions per unit of production (t/million yen)



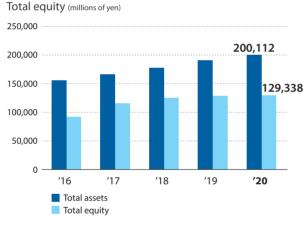
EBITDA (millions of yen)
EBITDA margin (%)



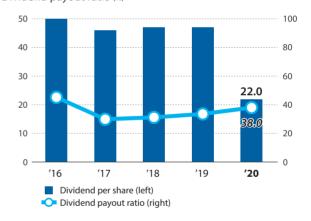
Net income attributable to owners of the parent (millions of yen) Return on equity (ROE) (%)



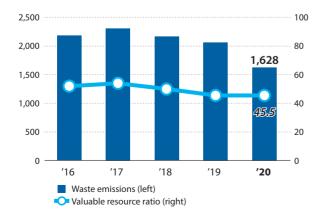
Total assets (millions of yen)



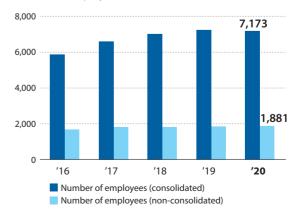
Dividend per share (yen)
Dividend payout ratio (%)



Waste emissions (t)
Valuable resource ratio (%)



Number of employees (consolidated) (persons) Number of employees (non-consolidated) (persons)



NEO Shinshiro Factory is Up and Running!

After three decades as one of our mother plants in Japan, the Shinshiro Factory has undergone a major refurbishment program, resulting in the creation of the NEO Shinshiro Factory. Operations have now commenced at the new facility, which is expected to enhance OSG's corporate value as a next-generation mother factory.

# 'Zero-One Factory'

Ultra-high-variety low-volume production through digital technology

### **Production Capacity**



700,000



Types of products produced per month

**6,000** types



Production lots per month

**8,000** lots

### OSG's Unique Approach to Digital Transformation

Digital Transformation (DX) is transforming business and society on a global scale. When we announced the NEO Shinshiro Factory concept in January 2019, we also announced the OSG 4.0 Project. This initiative brings together various projects that we have previously pursued as separate parts of the puzzle, such as the construction of new factories as receptacles, the use of automation to reduce labor requirements, the introduction of automated equipment, the digitalization of production data in factories, and the digitalization of production operations. We are also implementing digitalization on a company-wide scale through the creation of the OSG Product Data Management (OPDM) system, which will provide integrated information management at all stages from tool orders to design, manufacture, and delivery. The aim of this unique OSG approach to DX is to achieve dramatic improvements in productivity at the NEO Shinshiro Factory.

# Creating Value Unique to OSG through Ultra-High-Variety Low-Volume Production

With approximately 600 employees, the NEO Shinshiro Factory produces around 8,000 lots per month of 6,000 different types of tools, including carbide drills, carbide taps, HSS drills, and HSS end mills. A key trend in the cutting tool industry in recent years has been an increase in high-variety low-volume orders. The majority of carbide drills and carbide taps produced at the NEO Shinshiro Factory are manufactured in small lots of 20 or fewer items. Few companies in the world are capable of high-variety low-volume production on this scale in a factory of this size. OSG creates value by meeting customers' expectations in terms of quality, cost, and delivery lead times (QCD) for high-variety lowvolume orders. We will continue to enhance our competitiveness by using process visualization to raise capacity utilization rates, by introducing new systems, and by further improving QCD performance, including the development of next-generation grinders.

### Key to Zero-One is People— Combining Advanced Skills with a Smart Factory

The NEO Shinshiro Factory was built on the 'Zero-One Factory' concept. The words 'zero-one' symbolize our



Ownership of production equipment is key to ultra-high-variety low-volume production



Digitization of product information in the factory



Centralized management to visualize the manufacturing process



commitment to setting aside our traditional approach and starting again from zero. The key to creating one from zero is not information technology, but people. The new factory is the result of a convergence between advanced skills and cutting technologies developed over decades, and the latest digital technology. The result is a next-generation mother factory capable of maximizing productivity and output. Thanks to process visualization we are able to collect, share and analyze a variety of information, including the operating rates of individual machines, production schedules, production conditions, and flow quantities. The

aim of this approach is to optimize production shifts according to prevailing conditions, and to reduce lead times for both catalogue and order-made items.

### Creative Facility Designs to Support a Great Work Environment

At the NEO Shinshiro Factory, we are building a great work environment for the free exchange of ideas by incorporating a variety of workspace ideas, including office areas based on the 'free address' system, an employee cafeteria that doubles as a meeting space, and naming meeting rooms after countries with OSG production facilities.



Zero-One Office

### Three Key Points of Digitization



### **Production data**

By collecting, sharing, and analyzing a variety of data, including the operating rates of individual machines, production schedules, production conditions, and flow quantities, we are able to optimize the combination of resources needed to reduce lead times for both catalogue and order-made items.



### **Quality data**

We ensure traceability by using servers to provide centralized management of quality information for each product processed, including the materials allocated, processing history, and measurements.



# **Equipment** maintenance data

Equipment maintenance is an essential part of our efforts to ensure high standards of quality and efficiency in our production operations. Maintenance information is stored as digital data for use in our preventive maintenance system.



Zero-One Cafeteria

NEO Shinshiro Factory is Up and Running!

5,400

Norihiro Masuda Director, General Manager, NEO Shinshiro Factory



Toru Imaizumi Manager, Manufacturing Division 2



Atsushi Takahashi Manager, Engineering Division

The key to creating one from zero is not information technology, but people. In this section, the key people who provide the driving force for production operations at the NEO Shinshiro Factory describe the challenges that have been overcome in their own words.

# Impetus for New Designs at the NEO Shinshiro Factory

Masuda: The NEO Shinshiro Factory encompasses the old building as well as the new. Our aim in this new plant is to optimize frontline capabilities by combining the best of the manufacturing expertise handed down from previous generations with digital data. We also want this factory to have a positive influence on people, to generate a sense of excitement, and to bring in global perspectives. In short, we want it to be the embodiment of our aspirations.

To achieve that, we based our approach to the development of the new factory on three goals expressed in the 'zero-one factory' concept. First, in addition to digitalization, as symbolized by the 'zero' and 'one,' we also sought to foster flexible ideas based on reverse thinking. Second, we aimed to enhance our capacity for actions that would produce one from zero. And third, we used our sense of achievement as a driving force for taking the initiative on new challenges.

### Combining High-Variety Low-Volume Production with Improved Capacity Utilization

Imaizumi (Toru): Thanks to the various digitalization measures implemented by the IT team, we are now capable of real-time monitoring of items for which monitoring was previously either impossible or time-consuming. This system also informs us about flow quantities for each process, the operating status of all equipment, and the order in which products will be processed.

As a production unit, we need to maximize output using our existing capacity by integrating all of this information. That is why we are working to improve capacity utilization, which we see as the most important step toward the achievement of this goal.

Takahashi: Because of the diverse needs and requirements of our customers, our production operations must be able to support high-variety low-volume production. To achieve

that, we have upgraded our infrastructure to provide visualization of the operating status of our manufacturing equipment. New initiatives have targeted the reduction of stoppage losses during holiday periods, and the improvement of capacity utilization. We are also working in partnership with a machinery manufacturer to develop systems capable of processing different types of products at the same time. Going forward, we aim to take on the challenge of using digital technologies to create equipment and systems with enhanced reproducibility and setup performance.

Kondo: While working at a different factory, I was involved in the introduction of a new management system that became OSG's first scheduler. I'm currently working on the implementation of another new management system, the Zero-One Synchronized Manufacturing Management System (SYM2S), at the NEO Shinshiro Factory. I find it very rewarding to be involved in a new type of manufacturing at a factory where I can achieve further evolution beyond my previous role. My current challenge is the visualization of production progress management for carbide drill production using a new scheduler and status monitor. Much work remains to be done, but we are accelerating our efforts to standardize systems to support high-variety low-volume production and implement the technology in our other factories.

# New Initiatives Toward the Achievement of Our Goals

Imaizumi (Toru): Another key factor for the improvement of capacity utilization is the reduction of production line setup times. Since production lines are not operational during the setup process, any reduction in setup times will improve the utilization rate.

Because some setup operations can be performed while machinery is in operation, by carrying out these steps in advance as off-line setup processes, the setup time required after the equipment is shut down can be

reduced without awaiting the completion of products that were previously being processed. In addition, we decided to divide setup steps into off-line setup, and on-line setup involving actual machinery, and to provide new specialized training for workers. We are currently working on a limited number of processes, but eventually we will improve capacity utilization by training people on all processes.

In addition, our new monitoring system allows us to monitor capacity utilization accurately by providing information about the status of equipment, such as whether a machine is stopped, warming up, or working in semi-automatic or fully-automatic modes. When operating conditions are suboptimal, we can now identify the cause of problems and implement countermeasures. The aim of all of these initiatives is to improve capacity utilization.

Takahashi: The NEO Shinshiro Factory previously produced mainly HSS drills, and HSS end mills. With the addition of carbide drills and taps to its production lineup, it has been transformed into a 'salad bowl' factory. We are now reanalyzing and reviewing the various manufacturing methods used in this context. As we learn about the strengths and weaknesses of the various manufacturing systems and processing methods used for each type of product, I anticipate that we will find pathways to new initiatives based on the convergence of those systems and methods. We will continue to create new value by emphasizing crossorganizational thinking, and by applying the combined wisdom of all personnel at the NEO Shinshiro Factory to our activities.

# Equipping Employees with the Capacity to Take on New Challenges

Imaizumi (Tomoko): One day, I was asked by my then supervisor to join the Production Management Team and take charge of a new control system. I had no previous experience with production management and had to start from scratch, but many people provided

assistance, and eventually we were able to make real progress toward the development of a new production management system for the NEO Shinshiro Factory. This challenge was a valuable experience for me. I was able to benefit from this experience thanks to the Career Plan Declaration System, a human resource development program introduced by OSG to help employees achieve their ambitions. I am constantly looking for new challenges and striving to learn new things and achieve personal growth, rather than simply maintaining the status quo, and I actively work to gain and declare new qualifications, both at work and outside. I believe that this attitude led to my recognition as someone who could play an essential role in the transformation of the NEO Shinshiro Factory.

# The Preferred Tool Manufacturer for Our Customers

Masuda: The focus of my work has been to create a legacy of differentiated products and services by always thinking about the factors that will induce users to choose OSG. Going forward, I want to apply this experience to the development of the NEO Shinshiro Factory as the mother facility for our global production structure and a center for innovative world-class manufacturing. Because of advances in IT and logistics, people today expect the goods that they want to be delivered when they need them. To survive in this environment, which has dramatically changed customer attitudes to delivery lead times, OSG needs to ensure that it continues to be its customers' preferred tool manufacturer. Our mission is to create a flexible high-variety low-volume production structure capable of producing around 8,000 lots per month, including both catalogue items and customized tools developed to meet a wide range of user needs.

Production operations at the NEO Shinshiro Factory have only just begun. Digitalization is not the answer to every challenge, but just one of the tools that we can use. We need to ensure that OSG's production systems are always

state-of-the-art by harnessing the synergy benefits of innovative manufacturing technologies, new production systems, and market-focused production management, so that we can drive manufacturing innovations that will maintain our position as the preferred tool manufacturer for our customers, not only on the basis of our quality, cost and delivery (QCD) performance, but also as a provider of new value in the form of digital service.



Akifumi Kondo

Manager, Production Control Division



Tomoko Imaizumi Team Leader, Material Team, Production Control Division



# Corporate Governance

We will continue to develop a highly practical corporate governance structure and enhance our systems.

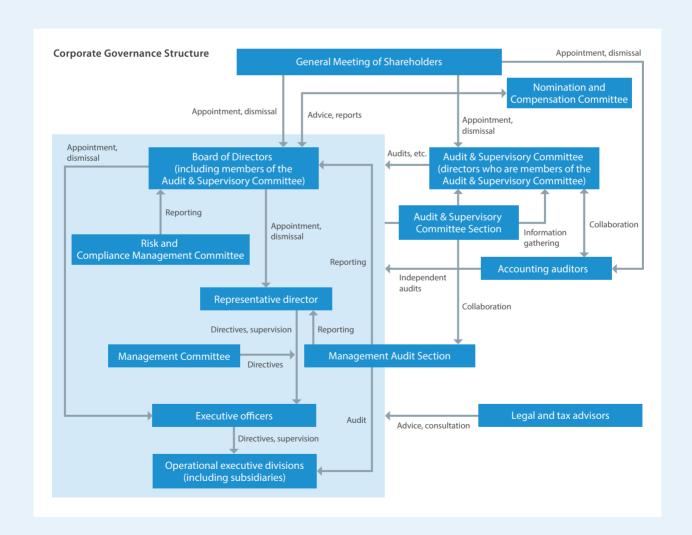


### **Basic Philosophy**

Under our corporate philosophy of achieving a global presence, we regard compliance with laws, regulations, and social norms as a fundamental part of our management policies, together with fairness and transparency in our business activities. We also believe that these qualities contribute to sustainable corporate development and the improvement of corporate value. Measures to enhance corporate governance, including the establishment of efficient and transparent management organizations, and the creation of systems to ensure timely and fair disclosure of accurate

information, are among our most important management priorities.

One of the ways in which we enhance our corporate governance is by raising compliance awareness among directors, executive officers and employees of OSG and its Group companies through the dissemination of the OSG Philosophy and the OSG Corporate Code of Ethics, which provide specific guidelines designed to raise ethical standards within the company.





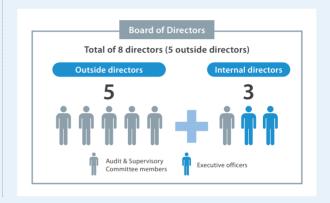
### **Overview of Corporate Governance Structure**

As a company with an audit and supervisory committee, OSG's corporate governance structure consists of the Board of Directors, the Audit & Supervisory Committee, and the accounting auditors. The role of the Board of Directors is clearly defined under this structure. Operational executive functions are performed by executive officers, while the Board of Directors is responsible for decision-making and the supervision of operational executive actions.

To strengthen decision-making functions, the eight-member Board of Directors includes two members who are also involved in business operations as executive officers. The remaining six directors, of whom five are outside directors, are also members of the Audit & Supervisory Committee. The outside directors also make up the majority of the Board of Directors. By creating this structure, we have enhanced the transparency and independence of the Board of Directors and the effectiveness of its management supervisory role, while bringing in outside perspectives.

In addition, OSG has introduced an executive officer system to ensure effective responses to changes in the business

environment, as well as to clarify the roles and responsibilities of the executive organization. The executive officers are solely responsible for the performance of business operations in a timely manner and in accordance with policies decided by the Board of Directors, while continually improving flexibility and efficiency.





### **Reasons for Adopting this Corporate Governance Structure**

By adopting our present corporate governance structure, we have enhanced the ability of the Board of Directors to oversee and supervise management decision-making and the performance of business operations, thereby improving management efficiency and ensuring that management decisions can be made appropriately and strategically. The activities of the Audit & Supervisory Committee, of which five of the six members are outside directors, include the auditing of the company's financial position and operations, and the

performance of duties by the representative director and executive officers. OSG's five outside directors are independent officers as stipulated in the listing rules. With the six members of the Audit & Supervisory Committee, including these highly independent outside directors, as members of the Board of Directors, we believe that we have created a corporate governance structure by providing an environment for effective management supervisory functions and by ensuring that the company is managed transparently and appropriately.



### **Risk and Compliance Management Committee**

In addition to these measures to improve management transparency and fairness and ensure timely information disclosure, we have also established Risk Management Rules as a framework for the creation of risk management structures to maintain management soundness and corporate ethics in the OSG Group. We have also established the Risk and Compliance

Management Committee to ensure the effective and efficient implementation of the Risk Management Rules. Its role is to formulate basic risk management policies and consider and implement timely countermeasures after assessing the significance and urgency of risks.



### **Nomination and Compensation Committee**

OSG has established a Nomination and Compensation
Committee as an advisory body for the Board of Directors. Its
purpose is to strengthen the independence, objectivity, and
accountability of board functions through the appropriate
involvement of independent outside directors and the
provision of advice in relation to the appointment of directors
and executive officers, etc., and compensation. The Nomination
and Compensation Committee consists of directors who are
also members of the Audit & Supervisor Committee, and five of
the six members are independent outside directors. Persons

who are deemed suitable to be directors of OSG, on the basis of their extensive experience, advanced knowledge, and high-level specialist capabilities, are selected and nominated as candidates for membership of the Board of Directors. The Board of Directors then makes decisions on appointments after seeking advice and receiving a response from the Nomination and Compensation Committee. Please refer to the section headed "Compensation for Company Officers" on the following page for details of OSG's process for determining compensation.

| Name of committee                     | Total members | Internal directors | Outside directors | Outside experts | Chairperson        |
|---------------------------------------|---------------|--------------------|-------------------|-----------------|--------------------|
| Nomination and Compensation Committee | 6             | 1                  | 5                 | 0               | Internal directors |



### Reasons for Appointment of Outside Directors, Positions Held Concurrently

| Outside<br>director | Audit &<br>Supervisory<br>Committee<br>member | Reasons for appointment  | Positions held concurrently  |
|---------------------|---|--|--|
| Takeo<br>Nakagawa   | 0   | In addition to an academic career spanning many years, Dr. Nakagawa has extensive experience in and knowledge of corporate management. He was judged to be a person who would participate in board meetings from an independent perspective and contribute to management auditing and supervision. Since Dr. Nakagawa is not associated with any OSG affiliated company or major supplier or customer, he was deemed to present no risk of conflicts of interest with general shareholders, and it was therefore decided to appoint him as an outside director.  | Representative Director and Chairman,<br>Fine Tech Corporation   |
| Kyoshiro<br>Ono     | 0   | Mr. Ono has extensive experience and wide-ranging knowledge gained through his work as an executive officer in another company. He was judged to be a person who would participate in board meetings from an independent perspective and contribute to management auditing and supervision. OSG has a business relationship with ONOCOM Co., LTD., of which Mr. Ono was a director until January 2016, pertaining to the purchase of equipment. This is a normal business relationship between the two corporations. Since Mr. Ono has no direct personal interest in the transactions, there is no risk of a conflict of interest between him and general shareholders. The company judges that there are no issues whatsoever concerning Mr. Ono's independence. |  |
| Yoshiyuki<br>Sakaki | 0   | Professor Sakaki has wide-ranging knowledge and experience gained through his long academic career. He was judged to be a person who would participate in board meetings from an independent perspective and contribute to management auditing and supervision. Since Professor Sakaki is not associated with any OSG affiliated company or major supplier or customer, he was deemed to present no risk of conflicts of interest with general shareholders, and it was therefore decided to appoint him as an outside director.   | President, Shizuoka Futaba Gakuen  |
| Akito<br>Takahashi  | 0   | Mr. Takahashi has extensive experience and advanced knowledge and specialist skills gained through his career as an attorney. As a legal expert, he was judged to be a person who would participate in board meetings from an independent perspective and contribute to management auditing and supervision. Since Mr. Takahashi is not associated with any OSG affiliated company or major supplier or customer, he was deemed to present no risk of conflicts of interest with general shareholders, and it was therefore decided to appoint him as an outside director.   | Outside Director,<br>Nippon Carbon Co., Ltd.<br>Outside Director,<br>Oriental Consultants Holdings Co., Ltd.               |
| Kunihiko<br>Hara    | 0   | In addition to an academic career spanning many years, Mr. Hara has extensive experience in and knowledge of corporate management. He was judged to be a person who would participate in board meetings from an independent perspective and contribute to management auditing and supervision. Since Mr. Hara is not associated with any OSG affiliated company or major supplier or customer, he was deemed to present no risk of conflicts of interest with general shareholders, and it was therefore decided to appoint him as an outside director.  | Designated Professor, Nagoya<br>University Graduate School of<br>Informatics<br>(Future Value Creation Research<br>Center) |



### **Compensation for Company Officers**

### Compensation Structure

Compensation for directors (excluding directors who are members of the Audit & Supervisory Committee) consists of fixed basic compensation, variable compensation linked to business performance, and allocations of restricted stock. Since directors who are members of the Audit & Supervisory Committee are independent from the other directors and are not involved in the execution of business operations, their compensation consists solely of fixed compensation.

### **Fixed Compensation**

The total amount of fixed compensation is determined within the upper limit defined by a resolution of the 103rd Ordinary Shareholders' Meeting held on February 20, 2016. Compensation is set at ¥396 million per year for directors (excluding directors who are members of the Audit & Supervisory Committee), and ¥84 million per year for directors who are also members of the Audit & Supervisory Committee.

### **Variable Compensation**

Starting in the fiscal year ended November 2019, the company provides variable compensation in the form of profit-linked bonuses in line with the definition of profit-linked salaries provided in Article 34, Paragraph 1 Item 3 of the Corporation Tax Act, as well as personal assessment bonuses.

### **Profit-linked Bonuses**

- Eligibility: Eligible directors who are serving as executive officers and managing officers
- Calculation method: Profit-linked bonus = Consolidated operating income before provision for the cost of performance-linked bonuses x Rank-based bonus ratio (see table below) The maximum amount for profit-linked bonuses is ¥700 million.

### Rank-based bonus ratio

| Rank                                | Percentage |
|-------------------------------------|------------|
| Chairman & Representative Director  | 0.365%     |
| President & Representative Director | 0.405%     |
| Managing Officers                   | 0.162%     |

### Personal Assessment Bonuses

- Eligibility: Managing officers
- Calculation method: Personal assessment bonuses are paid according to qualitative assessments of each person's contribution to business performance. The maximum amount for personal assessment bonuses is ¥50 million.

### **Compensation Based on Allocations of Restricted Stock**

- Eligibility: Directors (excluding members of the Audit & Supervisory Committee)
- •The amount of compensation is determined within the upper limit defined by a resolution of the 106th Ordinary Shareholders' Meeting held on February 16, 2019. The maximum total value of shares allocated to eligible directors is set at ¥200 million a year, and the maximum total number of the company's ordinary shares that can be issued or disposed of is 100,000 per year. The purpose of this system is to provide an incentive to achieve continual improvement in the company's performance and corporate value and increase the value shared with shareholders.

# ■ Process for Determining Compensation Fixed Compensation, Compensation Based on Allocations of Restricted Stock

In order to determine the amount of compensation for directors (excluding members of the Audit & Supervisory Committee), the Board of Directors delegates the Representative Director to prepare proposed compensation amounts according to standards set by the company. The proposed amounts are then referred to the Nomination and Compensation Committee. Based on the response from the Nomination and Compensation Committee, the amounts are then finalized by a resolution of the Board of Directors. The amount of compensation for directors who are also members of the Audit & Supervisory Committee is determined through consultation among those directors.

### Variable Compensation

Variable compensation is linked to the company's business performance. The Representative Director is delegated by the Board of Directors to calculate the proposed amounts for profit-linked bonuses and personal assessment bonuses using the methods outlined above. These proposed amounts are then submitted to the Nomination and Compensation Committee. Based on the report from the Nomination and Compensation Committee, the Board of Directors determines the final amounts to be paid, subject to approval of the total amount through a resolution of an ordinary shareholders' meeting.

The company discontinued the payment of retirement bonuses for corporate officers at the conclusion of the 92nd Ordinary Shareholders' Meeting held on February 19, 2005.



### **Basic Policy on Constructive Dialogue with Shareholders**

Under the leadership of the Representative Director and President, the Management Planning Department coordinates the activities of units involved in IR activities and maintains collaboration among these units on a day-to-day basis. The Management Planning Department actively responds to requests for IR information, including telephone inquiries from investors and small meetings. OSG holds quarterly meetings to present its financial results, as well as half-yearly financial presentations by top management. If necessary, any opinions

and concerns gathered through shareholder dialogue are fed back to the Board of Directors and senior management by the unit that carried out the IR activities concerned. When engaging in dialogue with investors, OSG takes care over the management of insider information by ensuring that such dialogue, whether at financial presentations or small meetings, centers on strategies for the achievement of sustainable growth and the improvement of OSG's corporate value from a medium- to long-term perspective.

### **Corporate Officers**



















### **Directors**

Chairman & Representative Director Norio Ishikawa

Director (Audit & Supervisory Committee Member) Takeo Nakagawa\*

Director (Audit & Supervisory Committee Member) Akito Takahashi\* President & Representative Director Nobuaki Osawa

(Audit & Supervisory Committee Member)

Kyoshiro Ono\*

Director (Audit & Supervisory Committee Member) Kunihiko Hara\* Director (Audit & Supervisory Committee Member) Gohei Osawa

Director
(Audit & Supervisory Committee Member)
Yoshiyuki Sakaki\*

Substitute Director (Audit & Supervisory Committee Member) Kayoko Yamashita\*\*

\*Outside Director

<sup>\*\*</sup>Substitute Outside Director





























### **Executive Officers**

Chairman & CEO\*\*\*
Norio Ishikawa
Managing Officer
Jiro Osawa
Senior Executive Officer

Mitsuyoshi Hikosaka

Executive Officer

Executive Officer
Seungjin Chung

**Jeffrey Tennant** 

President & COO\*\*\*

Nobuaki Osawa

Managing Officer Hideaki Osawa

Senior Executive Officer Yasutaka Yoneda

Executive Officer

Toshihiro Hisadome

Executive Officer
Osamu Ishida

Managing Officer
Koji Takeo

Senior Executive Officer
Yukinori Chikada

Executive Officer
Yasushi Suzuki

Executive Officer
Hitoshi Masuoka

\*\*\*Serving concurrently as Director

Executive Officer
Kenya Sugihara
Executive Officer
Naohiko Matsuo



## Environmental Initiatives

OSG is committed to the creation of a sustainable environment and society through eco-friendly business activities.



### **Basic Philosophy**

The OSG Group recognizes protection of the global environment as a vital priority for humanity. Under our Environmental Basic Policy, we are actively committed to efficient resource use and environmentally responsible manufacturing. We strive to supply our customers with environment-friendly products and services as part of efforts to reduce environmental loads and contribute to the development of a society based on resource recycling.



### **Environmental Policy**

Under the slogans, "An Eco-friendly Company" and "A Culture that Cares for the Environment," we work to protect the global environment and achieve harmonious coexistence between our activities and the natural environment.

### Environmental Performance in Fiscal 2020 and Targets for Fiscal 2021

| No  | Environmental target   |   | FY2                                      | FY2021 Target                              |  |
|-----|------------------------|---|--|--|--|
| INC | Item                   | Content   | Target                                   | Result                                     | F12021 Target                            |
| 1   | Energy<br>Conservation | Total Energy Use Reduction<br>(Energy sources: Electric power, Fuel oil and LPG)<br>Total use of energy BM: 95,676 GJ/month | 1.0% reduction<br>957 GJ/month reduction | 1.7% reduction<br>1,588 GJ/month reduction | 1.0% reduction<br>874 GJ/month reduction |
| 2   | Eco-Products           | Eco-Friendly Product Development  | 33 points                                | 34 points                                  | 34 points*                               |
| 3   | Eco-Factory            | Eco-Friendly Production   | 37 points                                | 70 points                                  | 37 points*                               |

 $<sup>{}^*\!</sup>Numerical\,scores\,out\,of\,60\,under\,OSG's\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvement\,of\,environmental\,activities\,standards\,for\,the\,improvemental\,activities$ 



### **Promotion of Resource Recycling**

OSG has been promoting zero emission activities to reduce waste. We have also developed a system to recycle reusable and recyclable resources and established a structure to ensure the proper disposal of waste from our operations. Therefore, our recycling rate has been over 99% since 2005.



| Metal scrap                                  | 427.3 tons   |
|--|--------------|
| Cardboard boxes (sold for reuse)             | 60.9 tons    |
| Waste oil (sold for reuse, recycled)         | 442.6 tons   |
| Oil sludge (sold for reuse, recycled)        | 197.8 tons   |
| Diatomaceous soil (sold for reuse, recycled) | 244.2 tons   |
| Waste grinding wheels (recycled)             | 31.4 tons    |
| Waste plastic (recycled)                     | 50.5 tons    |
| Wood chips (recycled)                        | 110.4 tons   |
| Others (recycled)                            | 60.6 tons    |
| Total  | 1,625.6 tons |

\*Results for fiscal 2020

### 



### Third-Party Evaluation

In 2020 OSG received the Special Environmental Award of the Japan Cutting & Wear-resistant Tool Association

At the fall general meeting of the Japan Cutting & Wear-resistant Tool Association (JTA) on October 7, 2020, OSG was presented with the Special Environmental Award in recognition of continuing initiatives that resulted in the reduction of waste in three consecutive years and the achievement of a recycling ratio of close to 100% for five straight years.



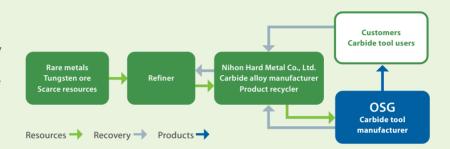


### **Initiatives to Reduce Environmental Impacts**

We are working actively to reduce the OSG Group's environmental footprint by developing eco-friendly products, recycling used tools, and providing after-sales services, such as regrinding and recoating.

### **Carbide Tools Recycling**

OSG group is working hard on carbide tools recycling throughout the Group. We ensure effective resource utilization by collecting used tools from customers and recycling the rare metals in them for reuse as raw materials. We also help our customers to improve the effectiveness of their CSR activities and achieve zero emission status.



### **Regrinding and Recoating Services**

Wear caused by the repeated use of tools eventually results in the degradation of cutting edges. Regrinding and recoating restore tools to the same condition as new products. OSG is responding to the needs of its customers around the world by operating facilities for regrinding in 21 countries and regions, and recoating in 14.

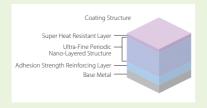


### **Environmentally Conscious Product Development**

### Carbide Ball End Mills for High-Hardness Steels, AE-B-H Series

# Adopting the newly developed DUROREY coating, ideal for high-hardness steels

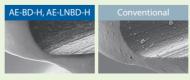
The ultra-fine periodic nano-layered structure provides high chipping resistance, enabling longer tool life.



# Achieving long tool life and high-quality surface finish

By processing with a smooth surface treatment to remove hard foreign substances called droplets, the surface quality has significantly improved.

### Smooth surface treatment



(excluding AE-LNBD-H that are R0.25 or under)

# OSG's latest carbide ball end mill for high-hardness steels

The AE-B-H series contributes to not only faster mold production and higher precision but also the reduction of waste with increased tool life.





### Social Initiatives

The OSG Group is determined to fulfill its social responsibilities to all stakeholders, including customers, suppliers, employees, and local communities.



### **Basic Philosophy**

The OSG Group is working toward the development of a more sustainable society by maintaining and developing healthy relationships with all stakeholders, including shareholders, customers, business partners, employees, and local communities. As members of society, we will strive to exist in harmony with society through social contribution activities and the promotion of mutual understanding with stakeholders.



### **Building Resonance with Stakeholders**

### Contributions to Employee Development, Future Technology, and Local Communities

### **National Skills Competition**

Known as the "Skill Olympics," the National Skills Competition is an opportunity for young manufacturing workers to compete to be the best in Japan. Its purpose is to raise awareness about the importance of monozukuri (manufacturing techniques) and to discover and train Japan's best manufacturing workers of the future. Contestants must be aged 23 or younger. OSG employees first participated in 2012, and the 2021 competition will be our ninth. Each year, we have sent two employees to compete in the CNC milling event, where they fully utilize their skills to perform high-precision tasks using OSG-manufactured end mills. This year an employee will also compete in CAD mechanical drawing, an area in which 3D systems have recently become the mainstream technology. All OSG competitors are proud of our role as a cutting tool manufacturer and compete to the best of their ability. OSG has also raised awareness of the competition by sponsoring the 2019 and 2020 national events in Aichi prefecture.

We also participate in the "Spirit of Manufacturing" school visit program in Aichi prefecture. They visit elementary and junior high schools to raise awareness of manufacturing by discussing their careers and provide the children with hands-on experiences. The aim is to create a positive image of manufacturing and foster interest in careers as skilled workers.

# Supporting the CNC Milling Event at the WorldSkills Competition

The CNC milling event at the WorldSkills Competition, held every two years, aims to promote vocational training in participating countries and provide young skilled workers with opportunities to build goodwill through international exchange. Former WorldSkills competitors also take part as administrative staff for meetings of the selection panel for Japanese competitors. In addition to supervision, time management, troubleshooting, and other support duties on

competition day, former competitors carry out advance checking and correction of technical drawings to be used in the competition tasks, judge and score entries, and assist



Supporting the competition

invited overseas competitors. OSG also provides cutting tools for use by overseas competitors.

### Japanese National Skills Competition— Technical Guidance for the Host Region

In 2018, the Japanese National Skills Competition and Abilympics were held in Okinawa. OSG provided technical guidance to local industrial high school students selected to compete in the event. The students were employed as interns during the summer vacation and given in-house training. In addition, OSG supports the industrial development policy for Toyokawa City, in Aichi prefecture, from a human resource development perspective by sending past WorldSkills competitors to local industrial high schools to provide practical training and help students gain qualifications. We will continue to provide career support and skills training through the WorldSkills Competition in Okinawa and other locations.



Intern program participants



### Sustainable Development of the OSG Brand

### **Commitment to Customer Satisfaction**

### **Technical Seminars**

Face-to-face and Internet-based technical seminars play an important role in OSG's efforts to raise customer satisfaction. Satisfaction level data, suggestions, and other input from surveys of attendees at these seminars are used to make subsequent seminars even better. We have established specific targets for customer satisfaction, and we are constantly challenging ourselves to achieve these goals. Face-to-face seminars are held at OSG facilities. In addition to classroom lectures, attendees have the opportunity to see actual processing in our demonstration rooms. For customers who cannot travel to an OSG facility, our staff travel to customer locations to present on-site technical seminars.

Our online technical seminars are also very popular because they can be viewed anywhere. The number of attendees has risen dramatically. They are especially convenient for people working from home or in rural areas without easy access to a training center. We will continue our efforts to improve customer satisfaction through our face-to-face and online seminars.

### 

### Staff Comment

We always try to make our face-toface and online seminars enjoyable, fun, and useful. While attendance at our online seminars is mainly a listening experience, we are working to make these events more interactive by introducing a quiz format. We also take care to use an appropriate level of technical language according to the attendees' knowledge level.



Mikayo Kondo Global Marketing Dept., Customer Support Team





### **Communication Dial**

Our Communication Dial service receives more than 100 telephone inquiries from customers every day. The questions asked cover topics ranging from basic knowledge to highly technical queries related to actual processing. In some cases, staff need to provide answers in collaboration with design or development engineers. In cases where a same-day response is not possible, we may arrange a visit to the customer in coordination with the sales team. To ensure an effective response to customer inquiries, we monitor the call answer rate as one of our KPIs for the improvement of customer satisfaction. We want customers to feel confident that they can find solutions to their problems by calling the Communication Dial service, and we will continue to enhance the services as part of our commitment to putting the customer first.

### OSG WEB SHOWROOM Opens

In July 2020 we launched the OSG WEB SHOWROOM as our online display site. The WEB SHOWROOM consists mainly of a permanent display of around 10 products, most of which are new items. Customers can also obtain product information or use the chat function to seek technical advice. The website's three-dimensional display booths are designed to create a sense of viewing the physical products. OSG also offers a wide variety of web seminars, including some that can be attended via the OSG WEB SHOWROOM. There are also short seminars that people can watch during their lunch break, as well as technical seminars provided by our engineering staff.



OSG WEB SHOWROOM

### **Financial Section**

# Key Financial Data for the Past 10 Years

|                             |   | 2011/11 | 2012/11  | 2013/11 |  |
|-----------------------------|---|---------|----------|---------|--|
| For the year                | Net sales   | 80,959  | 84,083   | 88,378  |  |
|                             | Cost of sales                                     | 48,439  | 49,381   | 52,777  |  |
|                             | Selling, general and administrative expenses      | 20,214  | 20,747   | 22,774  |  |
|                             | Operating income                                  | 12,305  | 13,954   | 12,827  |  |
|                             | Ordinary income                                   | 11,374  | 13,695   | 13,910  |  |
|                             | Net income (loss) attributable to OSG Corporation | 5,904   | 7,138    | 8,619   |  |
|                             | Cash flows from operating activities              | 11,344  | 12,286   | 16,171  |  |
|                             | Cash flows from investing activities              | (8,195) | (19,746) | (2,972) |  |
|                             | Cash flows from financing activities              | (5,855) | 8,643    | (9,423) |  |
|                             | Depreciation and amortization                     | 5,657   | 5,688    | 6,716   |  |
|                             | EBITDA  | 17,962  | 19,642   | 19,544  |  |
|                             | Capital expenditure                               | 8,225   | 10,284   | 5,876   |  |
|                             | Number of employees                               | 5,078   | 5,117    | 5,118   |  |
| End of fiscal year          | Total assets                                      | 104,373 | 121,689  | 134,503 |  |
|                             | Net assets  | 65,347  | 71,471   | 87,621  |  |
|                             | Interest-bearing debt                             | 23,011  | 34,284   | 29,063  |  |
|                             | Total equity                                      | 59,367  | 64,482   | 80,024  |  |
| Per share                   | Net income (yen)                                  | 62.18   | 75.16    | 90.76   |  |
|                             | Net assets (yen)                                  | 625.14  | 679.01   | 842.71  |  |
|                             | Dividends (yen)                                   | 18.00   | 23.00    | 30.00   |  |
| Management indicators       | Overseas sales ratio (%)                          | 49.7    | 48.0     | 53.5    |  |
|                             | Operating income margin (%)                       | 15.2    | 16.6     | 14.5    |  |
|                             | Return on equity (ROE) (%)                        | 10.1    | 11.5     | 11.9    |  |
|                             | Return on assets (ROA) (%)                        | 5.6     | 6.3      | 6.7     |  |
|                             | Equity ratio (%)                                  | 56.9    | 53.0     | 59.5    |  |
|                             | EBITDA margin (%)                                 | 22.2    | 23.4     | 22.1    |  |
|                             | Dividend payout ratio (%)                         | 28.9    | 30.6     | 33.1    |  |
| Data by product category    | Taps  | 28,906  | 29,379   | 28,924  |  |
|                             | Drills  | 18,284  | 19,839   | 20,724  |  |
|                             | End mills   | 17,837  | 18,472   | 20,857  |  |
|                             | Rolling dies                                      | 7,067   | 7,280    | 7,681   |  |
|                             | Gauges  | 1,137   | 1,176    | 1,232   |  |
|                             | Other   | 7,725   | 7,935    | 8,958   |  |
| Sales to external customers | Japan   | 41,266  | 44,212   | 41,922  |  |
|                             | The Americas                                      | 12,699  | 13,605   | 16,093  |  |
|                             | Europe/Africa                                     | 6,548   | 6,491    | 7,827   |  |
|                             |   |         |          |         |  |

(Thousands of (Millions of yen) U.S. dollars) 2020/11 2014/11 2015/11 2016/11 2017/11 2018/11 2019/11 2020/11 101,031 111,917 105,561 131,368 126,964 104,388 1,004,799 120,198 59,179 69,711 74,833 73,281 65.715 632,546 58,061 61,865 25,554 28,454 28,135 31,349 34,015 34,128 30,276 291,429 17,415 21,597 18,246 19,137 22,520 19,554 8,396 80,824 21,510 17,813 22,567 19,710 17,568 19,144 8,950 86,150 9,989 12,518 10,134 13,993 14,710 13,686 5,639 54,287 164,007 19,688 19,588 16,333 20,820 20,125 19,261 17,038 (20,314)(3,119)(16,976)(16,843)(7,566)(13,351)(17,133)(164,917)(12,813)(6,216)(778)(11,137)(4,723)3,465 9,658 92,969 6,830 7,705 7,885 9,100 9,522 10,518 101,243 8,612 24,246 29,302 26,132 27,749 31,621 29,076 18,915 182,068 7,327 12,487 13,394 9,494 11,464 17,139 9,895 95,249 7,173 5,233 5,569 5,866 6,611 7,020 7,236 142,302 155,129 156,081 166,712 178,020 190,414 200,112 1,926,197 100,943 113,637 103,059 128,394 138,354 140,658 140,179 1,349,311 26,782 42,399 20,009 20,195 33,506 16,325 15,612 408,115 92,216 125,332 129,078 129,338 91,458 102,566 115,810 1,244,954 105.20 131.78 110.59 153.70 150.47 140.06 57.94 0.56 (US dollars) 1,024.34 963.15 1,079.12 1,191.65 1,279.29 1,328.08 1,327.22 12.78 (US dollars) 34.00 46.00 50.00 46.00 47.00 47.00 22.00 0.21 (US dollars) 54.6 57.8 55.3 57.6 58.4 57.3 59.4 17.2 19.3 17.3 15.9 17.1 15.4 8.0 11.7 12.9 10.4 13.5 12.2 10.8 4.4 7.2 8.4 6.5 8.7 8.5 7.4 2.9 64.3 69.5 66.1 59.1 70.4 67.8 64.6 24.8 22.9 18.1 24.0 26.2 23.1 24.1 32.3 34.9 45.2 29.9 31.2 33.6 38.0 38,239 41,729 33,671 324,103 34,655 33,948 38,175 39,895 23,600 25,743 26,709 36,811 36,147 29,484 283,801 31,662 24,837 27,917 204,247 22,886 26,554 27,090 26,690 21,219 9,165 9,921 9,443 10,218 10,645 9,973 7,947 76,495 1,946 16,484 1,419 1,538 1,478 1,625 1,757 1,712 9,304 9,919 9,143 11,424 12,508 12,310 10,354 99,667 46,659 48,150 48,257 51,639 55,287 54,725 42,816 412,133 18,236 21,758 19,478 21,413 22,680 23,152 18,818 181,142 9,879 11,382 12,268 18,177 22,134 20,893 19,396 186,706 26,256 30,626 25,556 28,968 31,266 28,193 23,356 224,816

# Consolidated Summary Balance Sheet

| - 1 | IN/I | ш | lin | nc | Ωt. | ven |
|-----|------|---|-----|----|-----|-----|
|     |      |   |     |    |     |     |

|  | FY2019<br>As of Nov. 30, 2019 | FY2020<br>As of Nov. 30, 2020 |
|--|-------------------------------|-------------------------------|
| Assets                                 |                               |                               |
| Current assets                         |                               |                               |
| Cash and deposits                      | 26,950                        | 37,807                        |
| Notes and accounts receivable - trade  | 22,400                        | 19,733                        |
| Securities                             | 11                            | 0                             |
| Merchandise and finished goods         | 29,844                        | 29,239                        |
| Work in process                        | 6,376                         | 5,464                         |
| Raw materials and supplies             | 7,658                         | 7,321                         |
| Other                                  | 3,061                         | 3,279                         |
| Allowance for doubtful accounts        | (198)                         | (155)                         |
| Total current assets                   | 96,104                        | 102,691                       |
| Non-current assets                     |                               |                               |
| Property, plant and equipment          |                               |                               |
| Buildings and structures, net          | 18,663                        | 24,685                        |
| Machinery, equipment and vehicles, net | 35,217                        | 34,500                        |
| Tools, furniture and fixtures, net     | 2,179                         | 2,155                         |
| Land                                   | 14,864                        | 14,995                        |
| Construction in progress               | 7,199                         | 2,649                         |
| Other, net                             | 12                            | 612                           |
| Total property, plant and equipment    | 78,137                        | 79,599                        |
| Intangible assets                      |                               |                               |
| Goodwill                               | 3,613                         | 4,273                         |
| Other                                  | 1,412                         | 1,260                         |
| Total intangible assets                | 5,026                         | 5,533                         |
| Investments and other assets           |                               |                               |
| Investment securities                  | 3,882                         | 6,182                         |
| Investments in capital                 | 1,203                         | 760                           |
| Long-term loans receivable             | 1,774                         | 1,021                         |
| Deferred tax assets                    | 2,951                         | 2,298                         |
| Retirement benefit asset               | 87                            | 92                            |
| Other                                  | 1,611                         | 2,297                         |
| Allowance for doubtful accounts        | (364)                         | (366)                         |
| Total investments and other assets     | 11,146                        | 12,287                        |
| Total non-current assets               | 94,309                        | 97,420                        |
| Total                                  | 190,414                       | 200,112                       |

(Millions of yen)

|   |                               | (Millions of yer              |
|---|-------------------------------|-------------------------------|
|   | FY2019<br>As of Nov. 30, 2019 | FY2020<br>As of Nov. 30, 2020 |
| Liabilities and Net Assets                                |                               |                               |
| Liabilities   |                               |                               |
| Current liabilities                                       |                               |                               |
| Notes and accounts payable - trade                        | 6,039                         | 4,308                         |
| Short-term loans payable                                  | 2,742                         | 4,473                         |
| Current portion of long-term loans payable                | 546                           | 8,522                         |
| Accrued expenses  | 7,822                         | 6,062                         |
| Income taxes payable                                      | 2,699                         | 630                           |
| Reserve for directors' bonuses                            | 253                           | 146                           |
| Other   | 3,474                         | 3,177                         |
| Total current liabilities                                 | 23,578                        | 27,323                        |
| Non-current liabilities                                   |                               |                               |
| Bonds payable   | 5,000                         | 5,000                         |
| Convertible bond-type bonds with share acquisition rights | 1,670                         | 1,670                         |
| Long-term loans payable                                   | 16,822                        | 22,103                        |
| Deferred tax liabilities                                  | 1,079                         | 1,703                         |
| Net defined benefit liability                             | 504                           | 682                           |
| Provision for loss on guarantees                          | _                             | 38                            |
| Other   | 1,099                         | 1,412                         |
| Total non-current liabilities                             | 26,177                        | 32,609                        |
| Total liabilities   | 49,755                        | 59,932                        |
| Net assets  |                               |                               |
| Shareholders' equity                                      |                               |                               |
| Capital stock   | 12,194                        | 12,223                        |
| Capital surplus   | 13,731                        | 12,934                        |
| Retained earnings   | 109,428                       | 111,594                       |
| Treasury stock  | (1,894)                       | (1,442)                       |
| Total shareholders' equity                                | 133,460                       | 135,309                       |
| Accumulated other comprehensive income                    |                               |                               |
| Valuation difference on available-for-sale securities     | 1,281                         | 1,105                         |
| Deferred gains or losses on hedges                        | _                             | 0                             |
| Foreign currency translation adjustment                   | (5,663)                       | (7,076)                       |
| Total accumulated other comprehensive income              | (4,381)                       | (5,970)                       |
| Share acquisition rights                                  | 13                            | 13                            |
| Non-controlling interests                                 | 11,567                        | 10,828                        |
| Total net assets  | 140,658                       | 140,179                       |
| Total liabilities and net assets                          | 190,414                       | 200,112                       |

# Consolidated Summary Statement of Income

| lions of |  |
|----------|--|
|          |  |
|          |  |

|   |                                  | (Millions or yen)                |
|---|----------------------------------|----------------------------------|
|   | FY2019<br>(2018/12/1–2019/11/30) | FY2020<br>(2019/12/1–2020/11/30) |
| Net sales   | 126,964                          | 104,388                          |
| Cost of sales   | 73,281                           | 65,715                           |
| Gross profit  | 53,682                           | 38,673                           |
| Selling, general and administrative expenses                  | 34,128                           | 30,276                           |
| Operating income  | 19,554                           | 8,396                            |
| Non-operating income  |                                  |                                  |
| Interest income   | 245                              | 263                              |
| Dividend income   | 97                               | 79                               |
| Purchase discounts  | 52                               | 36                               |
| Share of profit of entities accounted for using equity method | 10                               | 8                                |
| Subsidy income  | 252                              | 1,127                            |
| Reversal of provision for loss on litigation                  | 380                              | _                                |
| Other   | 869                              | 757                              |
| Total non-operating income                                    | 1,908                            | 2,272                            |
| Non-operating expenses  |                                  |                                  |
| Interest expense  | 205                              | 243                              |
| Sales discounts   | 787                              | 610                              |
| Foreign exchange losses                                       | 260                              | 416                              |
| Other   | 497                              | 448                              |
| Total non-operating expenses                                  | 1,752                            | 1,718                            |
| Ordinary income   | 19,710                           | 8,950                            |
| Extraordinary income  |                                  |                                  |
| Gain on sales of non-current assets                           | _                                | 208                              |
| Gain on sales of investment securities                        | 474                              | _                                |
| Total extraordinary income                                    | 474                              | 208                              |
| Extraordinary losses  |                                  |                                  |
| Loss on valuation of investment securities                    | 339                              | 90                               |
| Special retirement expenses                                   | _                                | 171                              |
| Total extraordinary losses                                    | 339                              | 261                              |
| Income before income taxes                                    | 19,845                           | 8,896                            |
| Income taxes - current  | 5,963                            | 2,281                            |
| Income taxes - deferred                                       | (409)                            | 871                              |
| Total income taxes  | 5,554                            | 3,153                            |
| Net income  | 14,291                           | 5,743                            |
| Net income attributable to non-controlling interests          | 604                              | 103                              |
| Net income attributable to OSG Corporation                    | 13,686                           | 5,639                            |
|   |                                  |                                  |

### Financial Section

# Consolidated Statement of Comprehensive Income

| lions |  |
|-------|--|
|       |  |

|   | FY2019<br>(2018/12/1–2019/11/30) | FY2020<br>(2019/12/1–2020/11/30) |
|---|----------------------------------|----------------------------------|
| Net income  | 14,291                           | 5,743                            |
| Other comprehensive income  |                                  |                                  |
| Valuation difference on available-for-sale securities                               | (332)                            | (185)                            |
| Deferred gains or losses on hedges  | _                                | 0                                |
| Foreign currency translation adjustment   | (4,534)                          | (1,360)                          |
| Share of other comprehensive income of associates accounted for using equity method | 1                                | 2                                |
| Total other comprehensive income  | (4,865)                          | (1,543)                          |
| Comprehensive income  | 9,425                            | 4,199                            |
| (Breakdown)   |                                  |                                  |
| Comprehensive income attributable to OSG Corporation                                | 9,755                            | 4,037                            |
| Comprehensive income attributable to non-controlling interests                      | (329)                            | 162                              |

### Financial Section

# Consolidated Statement of Changes In Equity

FY2019 (Dec. 1, 2018 to Nov. 30, 2019)

| Shareholders' eq | /tiur | į |
|------------------|-------|---|
|------------------|-------|---|

|   | Common stock | Capital surplus | Retained earnings | Treasury stock | Total shareholders'<br>equity |  |
|---|--------------|-----------------|-------------------|----------------|-------------------------------|--|
| Balance, December 1, 2018   | 12,124       | 13,662          | 100,260           | (161)          | 125,886                       |  |
| Cumulative effects of changes in accounting policies                |              |                 |                   |                |                               |  |
| Restated balance  | 12,124       | 13,662          | 100,260           | (161)          | 125,886                       |  |
| Issuance of new shares  | 70           | 70              |                   |                | 140                           |  |
| Cash dividends  |              |                 | (4,704)           |                | (4,704)                       |  |
| Net income attributable to owners of the parent                     |              |                 | 13,686            |                | 13,686                        |  |
| Purchase of treasury stock  |              |                 |                   | (1,904)        | (1,904)                       |  |
| Disposal of treasury stock  |              | 4               |                   | 171            | 175                           |  |
| Adjustment of retained earnings for newly consolidated subsidiaries |              |                 | 271               |                | 271                           |  |
| Purchase of shares of consolidated subsidiaries                     |              | (90)            |                   |                | (90)                          |  |
| Transfer to capital surplus from retained earnings                  |              | 84              | (84)              |                | _                             |  |
| Net change in the year  |              |                 |                   |                |                               |  |
| Total changes of items during period                                | 70           | 68              | 9,168             | (1,732)        | 7,574                         |  |
| Balance, November 30, 2019  | 12,194       | 13,731          | 109,428           | (1,894)        | 133,460                       |  |
|   |              |                 |                   |                |                               |  |

### FY2020 (Dec. 1, 2019 to Nov. 30, 2020)

|   | Shareholders' equity |                 |                   |                |                            |  |  |
|---|----------------------|-----------------|-------------------|----------------|----------------------------|--|--|
|   | Common stock         | Capital surplus | Retained earnings | Treasury stock | Total shareholders' equity |  |  |
| Balance, December 1, 2019   | 12,194               | 13,731          | 109,428           | (1,894)        | 133,460                    |  |  |
| Cumulative effects of changes in accounting policies                |                      |                 | (12)              |                | (12)                       |  |  |
| Restated balance  | 12,194               | 13,731          | 109,416           | (1,894)        | 133,447                    |  |  |
| Issuance of new shares  | 28                   | 28              |                   |                | 57                         |  |  |
| Cash dividends  |                      |                 | (3,435)           |                | (3,435)                    |  |  |
| Net income attributable to owners of the parent                     |                      |                 | 5,639             |                | 5,639                      |  |  |
| Purchase of treasury stock  |                      |                 |                   | (4)            | (4)                        |  |  |
| Disposal of treasury stock  |                      |                 |                   | 455            | 455                        |  |  |
| Adjustment of retained earnings for newly consolidated subsidiaries |                      |                 | (7)               |                | (7)                        |  |  |
| Purchase of shares of consolidated subsidiaries                     |                      | (844)           |                   |                | (844)                      |  |  |
| Transfer to capital surplus from retained earnings                  |                      | 18              | (18)              |                | _                          |  |  |
| Net change in the year  | ·                    | ·               |                   |                |                            |  |  |
| Total changes of items during period                                | 28                   | (796)           | 2,177             | 451            | 1,861                      |  |  |
| Balance, November 30, 2020  | 12,223               | 12,934          | 111,594           | (1,442)        | 135,309                    |  |  |

(Millions of yen)

|   |  | Accumulated other co   | mprehensive income                             |  |                          |                          |              |
|---|--|--|--|--|--------------------------|--------------------------|--------------|
|   | Unrealized gain on<br>available-for-sale<br>securities | Deferred (loss) gain<br>on derivatives under<br>hedge accounting | Foreign currency<br>translation<br>adjustments | Accumulated other comprehensive income | Stock acquisition rights | Noncontrolling interests | Total equity |
|   | 1,608  | _  | (2,161)  | (553)                                  | 13                       | 13,008                   | 138,354      |
|   |  |  |  |  |                          |                          |              |
|   | 1,608  | _  | (2,161)  | (553)                                  | 13                       | 13,008                   | 138,354      |
|   |  |  |  |  |                          |                          | 140          |
|   |  |  |  |  |                          |                          | (4,704)      |
|   |  |  |  |  |                          |                          | 13,686       |
|   |  |  |  |  |                          |                          | (1,904)      |
|   |  |  |  |  |                          |                          | 175          |
|   |  |  |  |  |                          |                          | 271          |
|   |  |  |  |  |                          |                          | (90)         |
|   |  |  |  |  |                          |                          | _            |
|   | (326)  | <u> </u>   | (3,501)  | (3,828)                                | <u> </u>                 | (1,441)                  | (5,269)      |
| · | (326)  | <u> </u>   | (3,501)  | (3,828)                                | _                        | (1,441)                  | 2,304        |
|   | 1,281  | _  | (5,663)  | (4,381)                                | 13                       | 11,567                   | 140,658      |
|   |  |  |  |  |                          |                          |              |

|  |  |  |  |                          |                          | (Millions of yen) |
|--|--|--|--|--------------------------|--------------------------|-------------------|
|  | Accumulated other co   | mprehensive income                             |  |                          |                          |                   |
| Unrealized gain on<br>available-for-sale<br>securities | Deferred (loss) gain<br>on derivatives under<br>hedge accounting | Foreign currency<br>translation<br>adjustments | Accumulated other comprehensive income | Stock acquisition rights | Noncontrolling interests | Total equity      |
| 1,281  | _  | (5,663)  | (4,381)                                | 13                       | 11,567                   | 140,658           |
|  |  |  |  |                          |                          | (12)              |
| 1,281  | _  | (5,663)  | (4,381)                                | 13                       | 11,567                   | 140,646           |
|  |  |  |  |                          |                          | 57                |
|  |  |  |  |                          |                          | (3,435)           |
|  |  |  |  |                          |                          | 5,639             |
|  |  |  |  |                          |                          | (4)               |
|  |  |  |  |                          |                          | 455               |
|  |  |  |  |                          |                          | (7)               |
|  |  |  |  |                          |                          | (844)             |
|  |  |  |  |                          |                          | _                 |
| (176)  | 0  | (1,413)  | (1,589)                                | _                        | (738)                    | (2,327)           |
| (176)  | 0  | (1,413)  | (1,589)                                | _                        | (738)                    | (466)             |
| 1,105  | 0  | (7,076)  | (5,970)                                | 13                       | 10,828                   | 140,179           |

# Consolidated Summary Statement of Cash Flows

(Millions of yen)

|  |                        | (Millions of yen)      |
|--|------------------------|------------------------|
|  | FY2019                 | FY2020                 |
|  | (2018/12/1-2019/11/30) | (2019/12/1-2020/11/30) |
| Operating activities:  |                        |                        |
| Income before income taxes   | 19,845                 | 8,896                  |
| Depreciation and amortization  | 9,522                  | 10,518                 |
| Amortization of goodwill   | 535                    | 655                    |
| Increase (decrease) in allowance for doubtful accounts   | 7                      | (53)                   |
| Increase (decrease) in provision for directors' bonuses  | (137)                  | (163)                  |
| Increase (decrease) in net defined benefit liability   | 51                     | 39                     |
| Increase (decrease) in provision for directors' retirement benefits  | (24)                   |                        |
| Increase (decrease) in provision for loss on guarantees  | (24)                   | 38                     |
| Interest and dividend income   | (343)                  | (342)                  |
| Interest expense   | 205                    | 243                    |
| Equity in loss (earnings) of an associated company   | (10)                   | (8)                    |
| Loss (gain) on sales of non-current assets   | (10)                   | (208)                  |
| Loss (gain) on sales of inor current assets  | (474)                  | (200)                  |
| Loss (gain) on valuation of investment securities  | 339                    | 90                     |
| Special retirement expenses  | 339                    | 171                    |
| Change in notes and accounts receivable  | 1,902                  | 2,832                  |
| Change in inventories  Change in inventories   |                        |                        |
|  | (6,319)                | 1,822                  |
| Change in notes and accounts payable   | 453<br>115             | (1,555)                |
| Change in accrued expenses   |                        | (1,704)                |
| Other, net   | (19)                   | 558                    |
| Sub-total  | 25,651                 | 21,829                 |
| Interest and dividend income received  | 345                    | 350                    |
| Interest expense paid  | (232)                  | (226)                  |
| Special retirement expenses - paid   | (6.502)                | (171)                  |
| Income taxes - paid  | (6,503)                | (4,743)                |
| Net cash provided by operating activities  | 19,261                 | 17,038                 |
| Investing activities:  | (= == -)               | (=)                    |
| Payments for time deposits   | (3,504)                | (5,640)                |
| Proceeds from refund of time deposits  | 2,971                  | 5,056                  |
| Proceeds from redemption of investment securities  | 0                      | 11                     |
| Purchases of investment securities   | (429)                  | (826)                  |
| Proceeds from sales of investment securities   | 583                    |                        |
| Purchase of property, plant and equipment  | (17,139)               | (9,895)                |
| Proceeds from sales of property, plant and equipment   | 211                    | 359                    |
| Purchase of intangible assets  | (418)                  | (222)                  |
| Payment for purchase of subsidiaries' stock  | (1,158)                | (2,054)                |
| Purchase of shares of subsidiaries resulting in change in scope of consolidation                               |                        | (3,266)                |
| Other, net   | (1,432)                | (654)                  |
| Net cash used in investing activities  | (20,314)               | (17,133)               |
| Financing activities:  |                        |                        |
| Change in short-term borrowings, net   | 482                    | 1,244                  |
| Proceeds from long-term borrowings   | 7,036                  | 14,396                 |
| Repayments of long-term borrowings   | (1,259)                | (948)                  |
| Proceeds from issuance of bonds  | 5,000                  |                        |
| Payments from changes in ownership interests in  | (602)                  | (1.427)                |
| subsidiaries that do not result in change in scope of consolidation  | (682)                  | (1,437)                |
| Purchase of treasury stock   | (1,899)                | (1)                    |
| Proceeds from sales of treasury stock  | 54                     | 395                    |
| Dividends paid   | (4,709)                | (3,439)                |
| Dividends paid to non-controlling interests  | (525)                  | (298)                  |
| Other, net   | (30)                   | (252)                  |
| Net cash (used in) provided by financing activities  | 3,465                  | 9,658                  |
| Effect of exchange rate change on cash and cash equivalents  | (690)                  | (88)                   |
| Net increase (decrease) in cash and cash equivalents   | 1,721                  | 9,475                  |
| Cash and cash equivalents at beginning of year   | 21,545                 | 23,704                 |
| Cash and cash equivalents at beginning of year  Cash and cash equivalents from newly consolidated subsidiaries | 437                    | 120                    |
| Cash and cash equivalents from newly consolidated subsidiaries  Cash and cash equivalents at end of period     | 23,704                 | 33,299                 |
| cash and cash equivalents at end of period   | 23,704                 | 33,233                 |

### **Corporate Information**

### Company Profile (As of November 30, 2020)

Company name OSG Corporation

Headquarters 3-22, Honnogahara, Toyokawa,

Aichi Prefecture 442-8543, Japan

Date established March 26, 1938
Capital ¥12,223 million

Number of 7,173 (consolidated)/ employees 1,881 (non-consolidated)

Business activities Manufacture and sale of cutting tools,

rolling dies, gauges, machine tools and machine parts, importation and

sale of tools

### Status of Shares (As of November 30, 2020)

Number of shares issuable 200,000,000 shares
Number of shares outstanding 98,179,742 shares

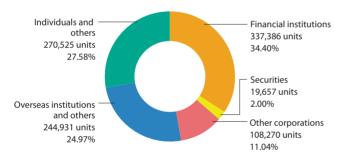
Number of shareholders 7,498
Minimum share purchasing unit 100 shares

Stock listings Tokyo Stock Exchange,

Nagoya Stock Exchange

Securities code 6136

### ▶ Breakdown of Holdings by Shareholder (One Unit = 100 Shares)



### (Notes)

- 1. Amounts of less than one unit are not included.
- $2. \, Treasury \, stock \, is \, included \, under \, 'Individuals \, and \, others.'$

### ► Major shareholders

| Number of shares held (Thousands) | Percent<br>ownership<br>(%)  |
|-----------------------------------|--|
| 8,705                             | 8.87   |
| 5,005                             | 5.10   |
| 4,645                             | 4.73   |
| 3,276                             | 3.34   |
| 3,173                             | 3.23   |
| 2,614                             | 2.66   |
| 2,350                             | 2.39   |
| 2,338                             | 2.38   |
| 2,100                             | 2.14   |
| 2,023                             | 2.06   |
|                                   | shares held (Thousands)  8,705  5,005  4,645  3,276  3,173  2,614  2,350  2,338  2,100 |

### (Notes)

- 1. The number of shares held is rounded down to the nearest thousand.
- 2. The shareholding ratio is calculated after deducting treasury shares.

### To Our Stakeholders



### Introducing the OSG corporate website

OSG's website provides timely access to a variety of information, including corporate data, product information, industry solutions, news releases and IR information.

### https://www.osg.co.jp/en/

### Introducing the OSG sustainability website

The OSG sustainability website showcases our efforts to achieve sustainable growth in our corporate value, including environmental initiatives, social programs, and corporate governance systems.

https://www.osg.co.jp/en/sustainability/index.html









