



OSG EUROPE

# CORPORATE PROFILE





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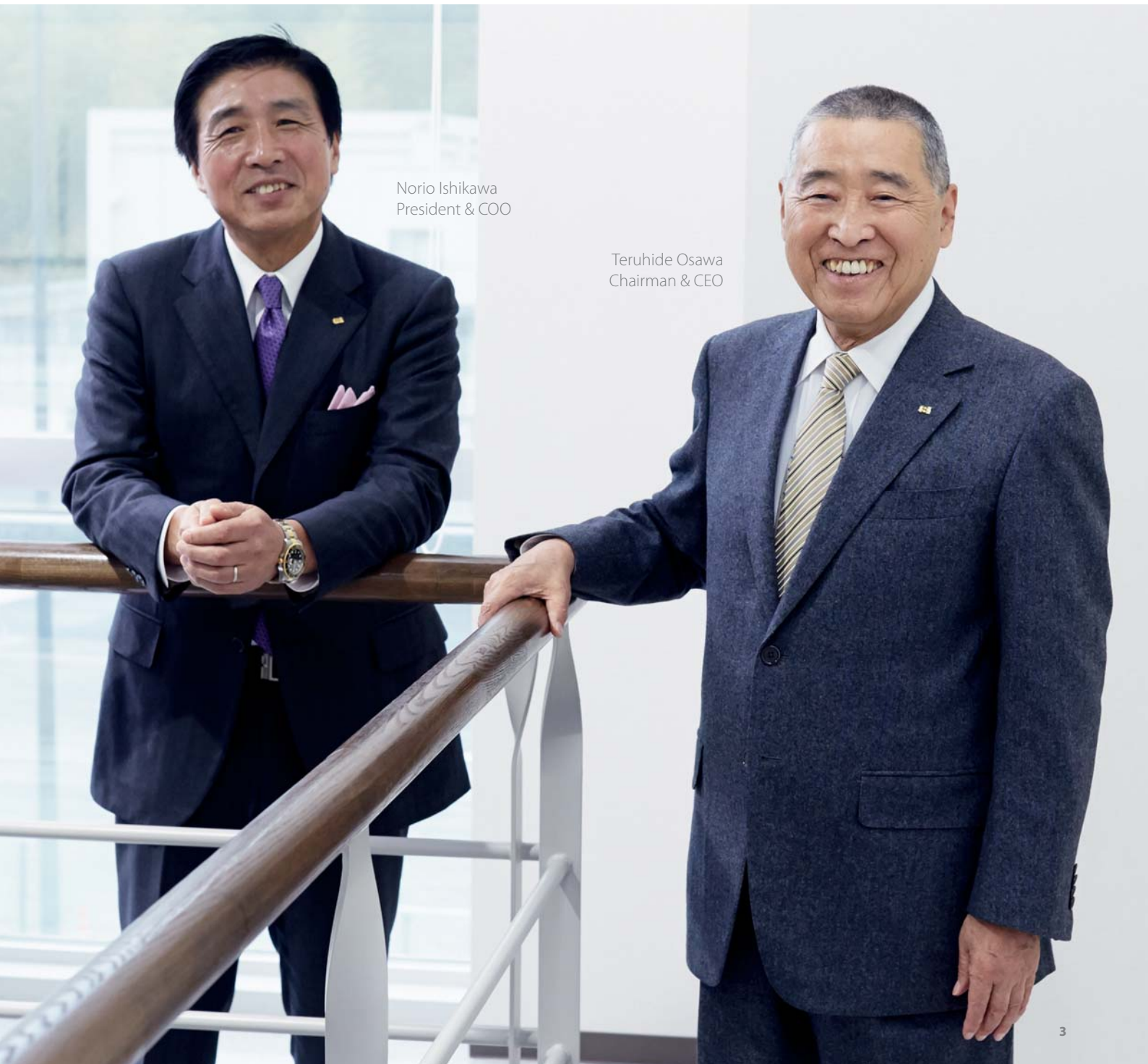
# MANAGEMENT'S MESSAGE

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Since our foundation in 1938, OSG Corporation has been a leading-edge manufacturer and supplier of cutting tools, focusing primarily on taps and related tools. Throughout our history, we have contributed to the advancement of manufacturing on a global scale through the high-quality tools that we developed. Today we are dramatically expanding operations across the world in line with our corporate philosophy—Global Presence. OSG offers tools and processing methods optimized for the individual needs of manufacturers that range widely within the manufacturing sector from the automotive and aerospace industries to mold and die makers. Communication

with customers is vitally important to OSG, and that commitment is expressed in its corporate motto - Tool Communication.

OSG has adopted a new corporate brand tagline, “shaping your dreams,” and brand statement with the aim of further enhancing the global OSG brand. This focus on turning customers’ aspirations into reality will be the driving force for OSG’s ongoing efforts to expand its business activities by leveraging its newly enhanced domestic and overseas networks, and by maintaining dialog with each customer. We look forward to your continuing support.



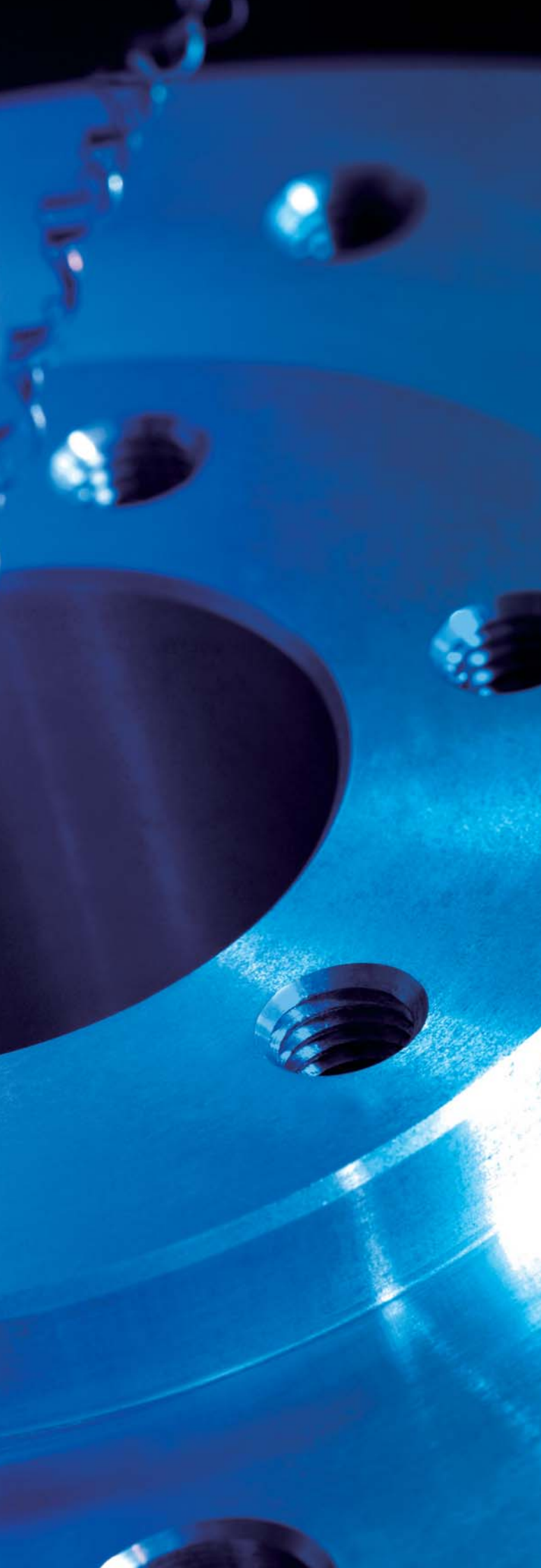
Norio Ishikawa  
President & COO

Teruhide Osawa  
Chairman & CEO

# OSG'S CORPORATE PHILOSOPHY

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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 29 countries.

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

# OSG'S BUSINESS MODEL

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Shaping our customers' dreams into reality



# *shaping your dreams*

We listen to our customers, think from our customers' perspective,  
develop products that meet customers' needs and get them to the market first.

In addition, we offer fine-tuned after-sales service, while providing information feedback to customers.

OSG derives its strengths from a business model that integrates the sales of products,  
technology development and manufacturing, and makes active use of know-how  
gained through close communication with customers.

# OSG IS A GROUP OF EXPERTS

OSG maintains absolute control over every aspect of our manufacturing capabilities. OSG products are produced in-house – from the production of tool material, creation of tool geometry, to the development of our own proprietary coatings – the vital elements in the manufacturing of superior cutting tools.

## TOOL GEOMETRY

Attribute for strength & performance

Provider: OSG Design Center & Global Technology Center

## TOOL MATERIAL

Attribute for hardness & toughness

Provider: Nihon Hard Material

## SUPERIOR CUTTING TOOLS

## TOOL COATING

Attribute for heat & wear resistance

Provider: OSG Coating Service (OCS)



# BUSINESS DOMAINS

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OSG has traditionally maintained a powerful marketing presence in manufacturing industries including automotive, aerospace and mold & die.

OSG also supplies products to energy-related industries including the shipbuilding industry, construction equipment industry, as well as to the manufacturers of precision equipment, such as medical devices.

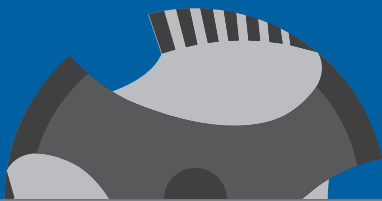


# MAJOR PRODUCTS

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OSG strives to support the growth of the manufacturing industry worldwide with highly accurate and efficient products through its advanced technological know-how.

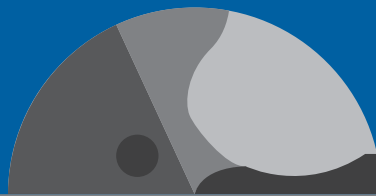
We provide specific solutions to our customers' problems by supplying highly competitive products manufactured to world-class quality standards.



**TAPS**



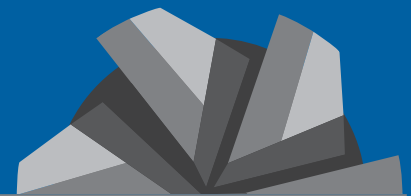
Taps are used to cut screw threads on the inside surfaces of holes, creating the "female" half (nut) of the screw. High precision is of vital importance, particularly in areas such as automobile engines, which require precision screws. We offer a lineup of taps with diameters ranging from small to large and with specifications suitable for a wide variety of uses. We have the top market share for taps not just in Japan but also in the world.



**DRILLS**



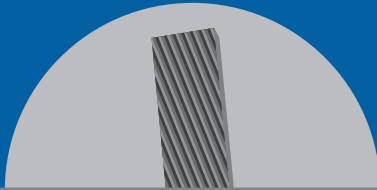
Drills are used to make holes in a wide range of surfaces. We have received high acclaim for our development of high-precision, high-value-added products for use in automotive and aircraft part manufacture, which demands advanced processing techniques and zero margin of error.



**END MILLS**



End mills are used to cut and contour molds for plastic parts, for instance for electric home appliances, as well as diecasting dies for automotive parts and stamping molds. To meet today's demanding requirements, such as smaller size, lower weight and reduced cost, we see growing demand for carbide end mills that are excellent in both processing accuracy and durability. In this area, we are currently focusing on developing new products that utilize our advanced proprietary coating technique.



### ROLLING DIES



Thread rolling dies are used to copy threading onto “male” screws (bolts); the process consists of rolling a metal bar between two thread rolling dies tightly pressed to each side. OSG manufactures cylindrical and flat rolling dies for screws, worms and serrations, thread rolling planetary dies and counter-flow rolling dies, in accordance with their intended use.



### INDEXABLE TOOLS



Indexable tools are used to shape metal molds and machine parts. While end mills are used for finishing, indexable tools are intended for rough cutting and contouring, and use disposable inserts attached to the tool body.



### GAUGES



Gauges are used to check the final dimensions of screw threads and holes. OSG was an early adopter of changes in the Japan Industrial Standards (JIS), and today we offer a range of screw gauges based on ISO standards. Precision checking is an extremely important process because of the trends toward increasing product precision and compliance with international standards.

# PRODUCTION SITES

Our production sites employ advanced technology and production systems to supply customers worldwide with a vast range of products. We are continually working to earn the confidence of our customers as a reliable supplier of high-quality products by maintaining comprehensive quality management systems, and by giving first priority to environmental protection, security and accident prevention.

## Yana Factory



The Yana Factory, the world's largest tap factory, produces products of the highest quality.

### Major products

- Taps

## Oike Factory



This specialized factory manufactures carbide products for use in high-precision, high-speed processing.

### Major products

- Carbide end mills
- Carbide drills

## Shinshiro Factory



This factory, which specializes in high-speed steel products, has evolved into one that now also manufactures special tools.

### Major products

- High-speed steel drills
- High-speed steel end mills
- Cutter bodies

### Toyohashi Factory



This factory specializes in rolling dies for thread rolling, thread gauges and cutter bodies.

#### Major products

- Rolling dies
- Gauges

### Toyokawa Factory



This factory, which is focused on machine tool manufacturing, plays a leading role in upholding OSG's quality standards and production competitiveness.

#### Major products

- In-house machine tools

### R&D Center



Cutting-edge R&D leads the way to the future.

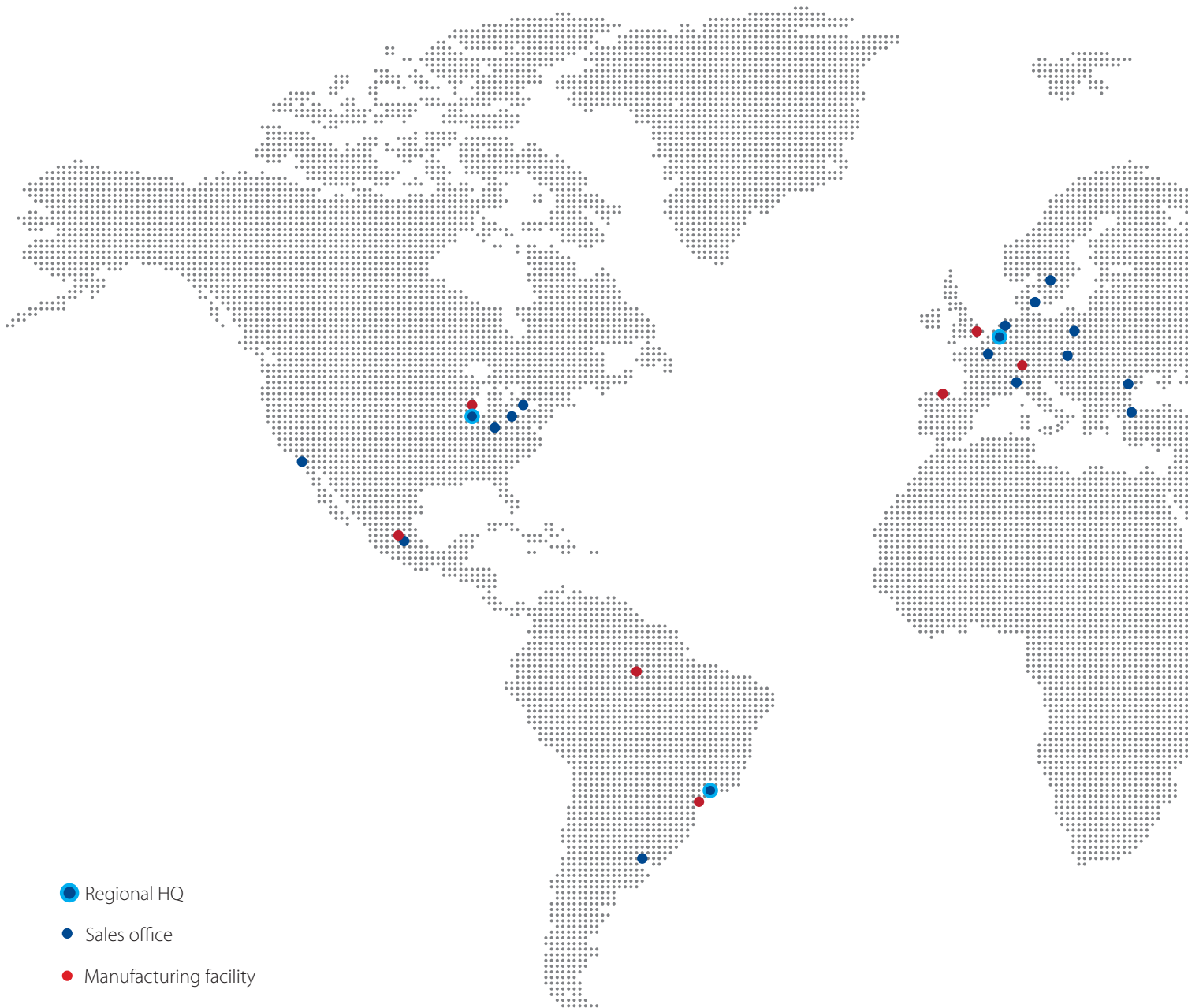
#### Major products

- Surface treatment
- Tool materials

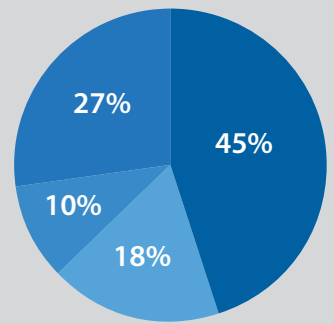
# GLOBAL NETWORK

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OSG first ventured overseas with the establishment of a subsidiary in Chicago in 1968. Since then we have dynamically expanded our international network of production sites and sales offices in line with our vision for OSG as a globally active manufacturer of cutting tools. We currently have facilities in 29 countries.



## Net Sales by Region



- Japan
- The Americas
- Europa
- Asia

### EUROPA

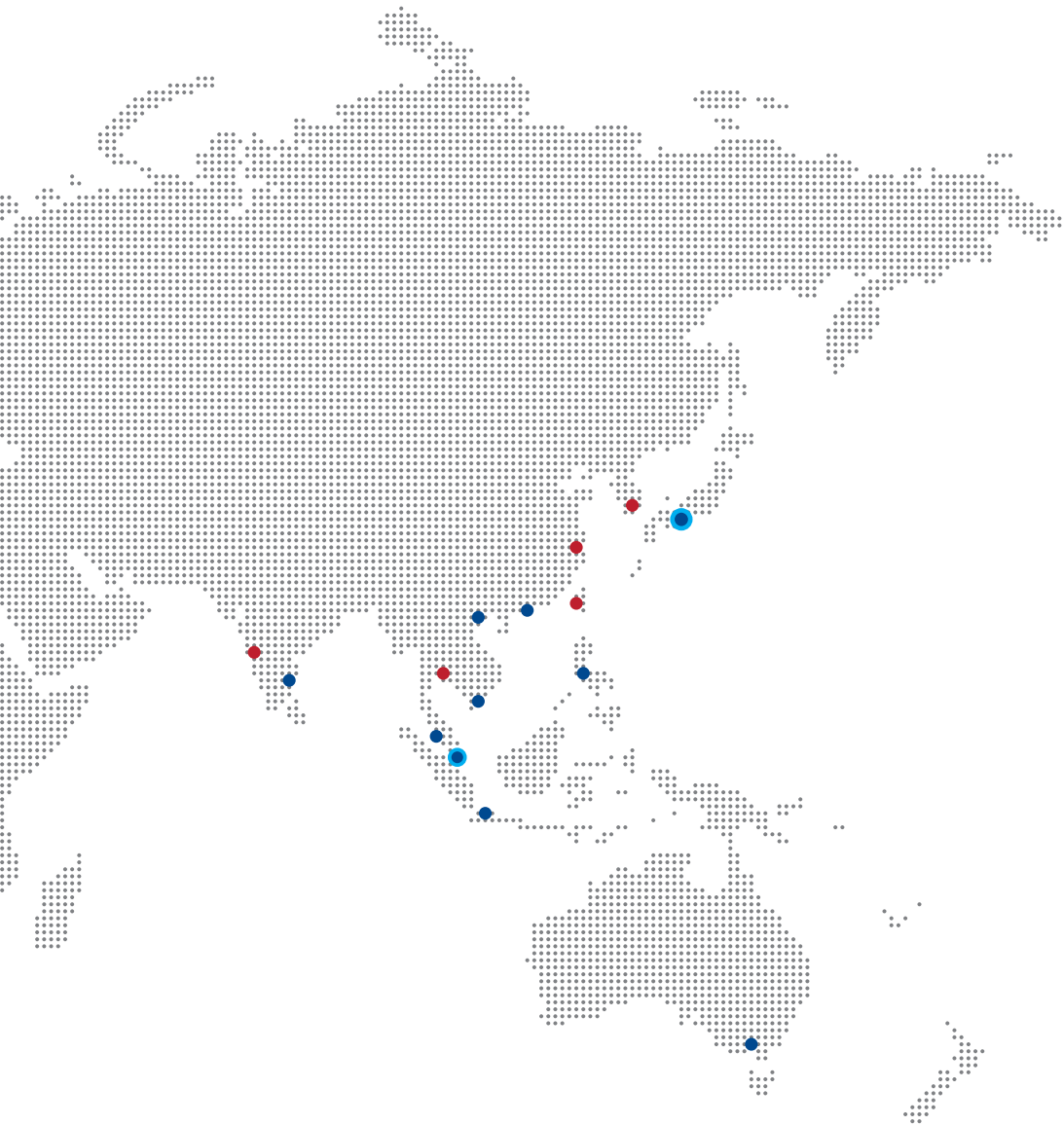
- Belgium
- Denmark
- United Kingdom
- France
- Germany
- Italy
- The Netherlands
- Spain
- Romania
- Slovakia
- Sweden
- Poland
- Turkey

### ASIA

- South Korea
- Taiwan
- China
- Thailand
- Singapore
- Indonesia
- Australia
- Philippines
- Vietnam
- Malaysia
- India

### THE AMERICAS

- United States
- Canada
- Mexico
- Brazil





*shaping your dreams*

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