DMG MORI CO., LTD.

FY 2023 Third Quarter (Jan-Sep) Results
IR Announcement
October 25, 2023

# 1. FY 2023 3Q (Jan-Sep) Financial Summary

- 2. Business Environment
- 3. EMO 2023: Progress of MX (Machining Transformation)
  - Process Integration: World Premiere of INH
  - Automation: World Premiere of AMR2000
  - Digitization: CELOS X Concept
  - Global Factory Tours
- 4. Enforcement of Group Strategy
- 5. HR Development Initiatives
- 6. Others

# FY2023 3Q (Jan-Sep) Highlights



- ✓ Consolidated order intake: Jan-Sep JPY 399.5 bn. (-7.5% y-o-y) : Jul-Sep JPY 123.7 bn. (-6.8% y-o-y)
- ✓ Average order price per unit increased to JPY 59.5 mil. (FY 2022 average: JPY 49.8 mil.) due to MX (process integration, automation, DX, GX) and depreciating yen
- ✓ Machine tool order backlog as of end of September: JPY 280.0 bn. (end of FY 2022: JPY 254.0 bn.)
- ✓ Significantly improved operating profit margin: Jan-Sep (3Q cumulative) 9.4% (Same period last year: 8.0%) : Jul-Sep (3Q isolated) 10.0% (Same period last year: 7.9%)
- ✓ Advanced MX Strategy at EMO 2023, order intake strong in EMEA region
- ✓ Machine tool order backlog forecast for Dec 2023: approx. JPY 255.0 bn. (same level as end of FY 2022)

# FY2023 Financial Highlights (Jan-Sep) / Full-year Forecast

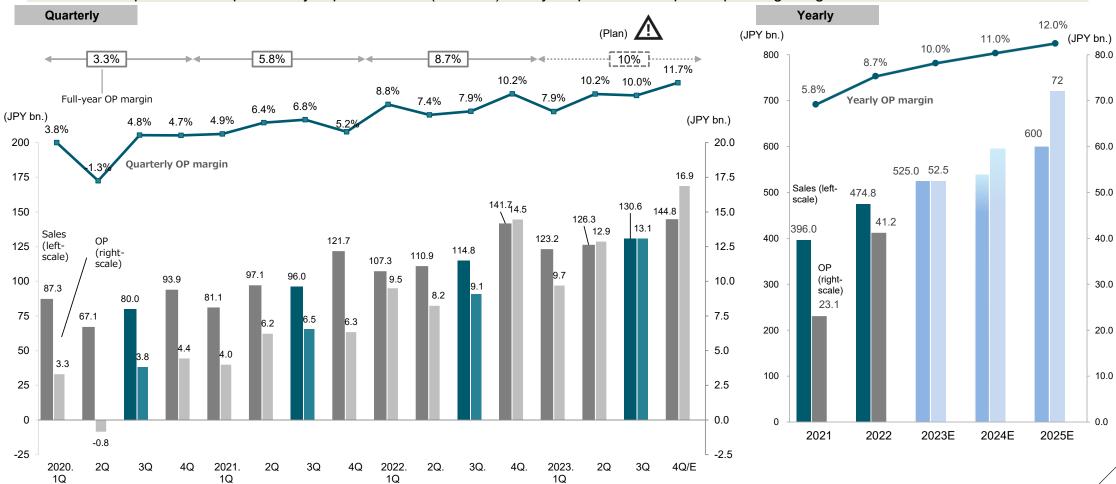
# **DMG MORI**

	(3 <sup>rd</sup> quarter)			(Full-year)			
	FY 2022	FY 2023		FY 20	)22	FY 2023	
(JPY bn.)	Jan - Sep Actual	Jan - Sep Actual	YoY (%)	Actual	YoY (%)	<b>Plan</b> (No revision)	YoY (%)
Consolidated order intake	432.0	399.5	-7.5%	542.4	+18.9%	520.0	-4.1%
Order backlog	274.0	280.0		254.0		around 255.0	
Sales revenue	333.0	380.2	+14.2%	474.8	+19.9%	525.0	+10.6%
Operating profit	26.8	35.6	+33.1%	41.2	+78.7%	52.5	+27.4%
Operating profit margin	8.0%	9.4%		8.7%		10.0%	
Net profit	16.6	23.0	+38.9%	25.4	+88.7%	33.5	+31.9%
Net profit margin	5.0%	6.1%		5.4%		6.4%	
EPS (JPY)	121.77	172.95		188.62		253.03	
Dividend per share (JPY)	30 *Interim	40 *Interim		70		80	
Depreciation & amortization including leasing	17.4	19.3		24.0		27.0	
Capital expenditure	29.3	30.5		41.1		45.0	
USD/JPY	128.1	138.1		131.5		139.8	
EUR/JPY	136.0	149.6		138.1		151.0	

# Quarterly and Yearly Financial Results



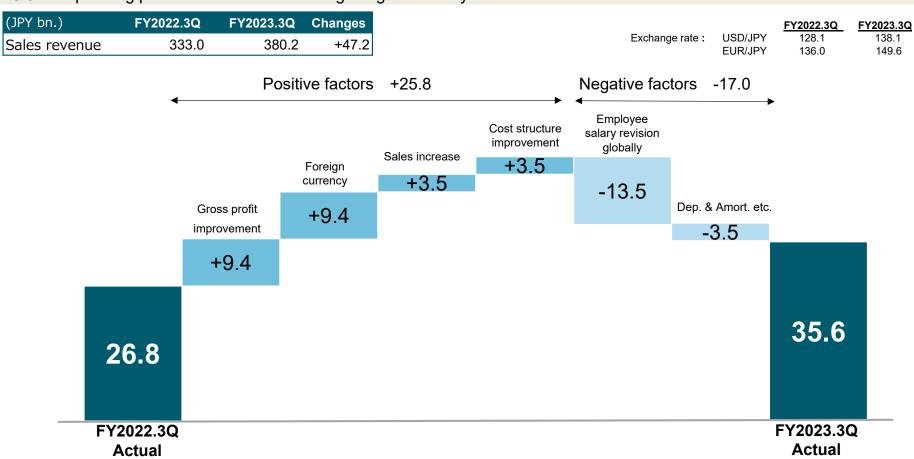
- Secured 10% operating margin in 3Q (Jul-Sep)
- Further improvement in profitability expected in 4Q (Oct-Dec). Full-year plan is to keep the operating margin at more than 10%



# Operating Profit Bridge FY 2022 3Q vs. FY 2023 3Q



- MX proposals improved gross profit margins. Positive effects from higher productivity through in-house parts production and optimized cost structure. Weak yen also continues to contribute.
- JPY 8.8 bn. operating profit increase after covering the global salary revisions.

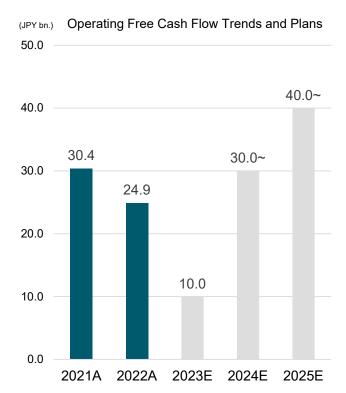


## **Cash Flows**



- 3Q (Jul-Sep) operating free cash flow: JPY 3.9 bn. due to inventory buildup for 4Q sales
- 4Q (Oct-Dec) operating free cash flow: large surplus expected from sales increase from inventory. Full-year result planned at JPY 10.0 bn.

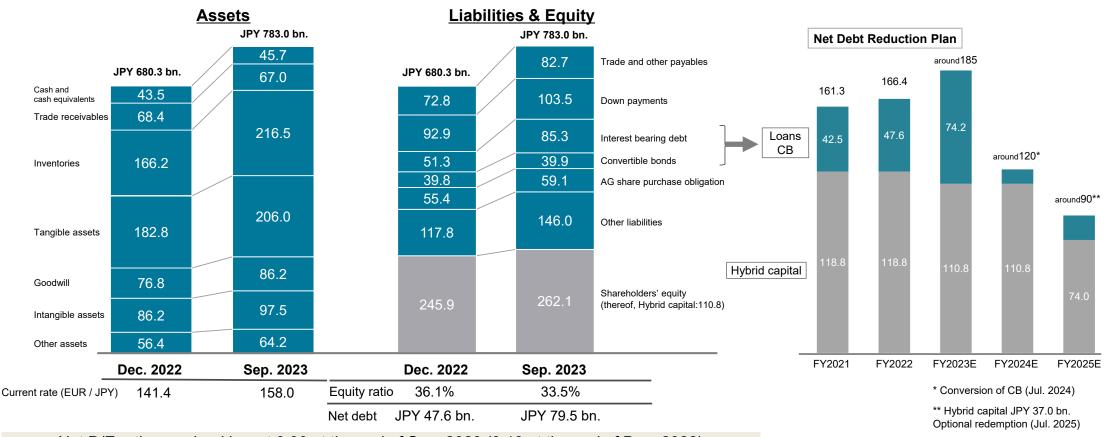
			2022					2023		
(JPY bn.)	1Q	2Q	3Q	4Q	FY	1Q	2Q	3Q	4Q	FY (Plan)
Operating cash flow	12.5	23.6	10.1	23.5	69.7	9.3	5.1	5.8	34.8	55.0
Profit before taxes	8.9	7.4	8.0	12.2	36.5	8.5	11.2	11.7		
Depreciation & amortization	5.6	6.0	5.8	6.6	24.0	6.2	6.3	6.8		
Changes in working capital	-1.8	9.9	-0.9	5.1	12.3	-1.7	-10.2	-7.1		
Others	-0.2	0.4	-2.9	-0.3	-3.1	-3.7	-2.3	-5.6		
Investment cash flow	-10.1	-11.5	-11.8	-11.5	-44.9	-11.1	-10.1	-9.6	-14.2	-45.0
Operating free cash flow	2.4	12.1	-1.7	12.1	24.9	-1.8	-5.0	-3.9	20.7	10.0



## **Balance Sheet Summary**



- FX effects approx. JPY 60.0 bn.
- Net debt increase due to inventory increase and MX investments. Decline in shareholders' equity ratio due to redemption of JPY 8.0 bn. Hybrid capital.



Net D/E ratio remained low at 0.30 at the end of Sep. 2023 (0.19 at the end of Dec. 2022)

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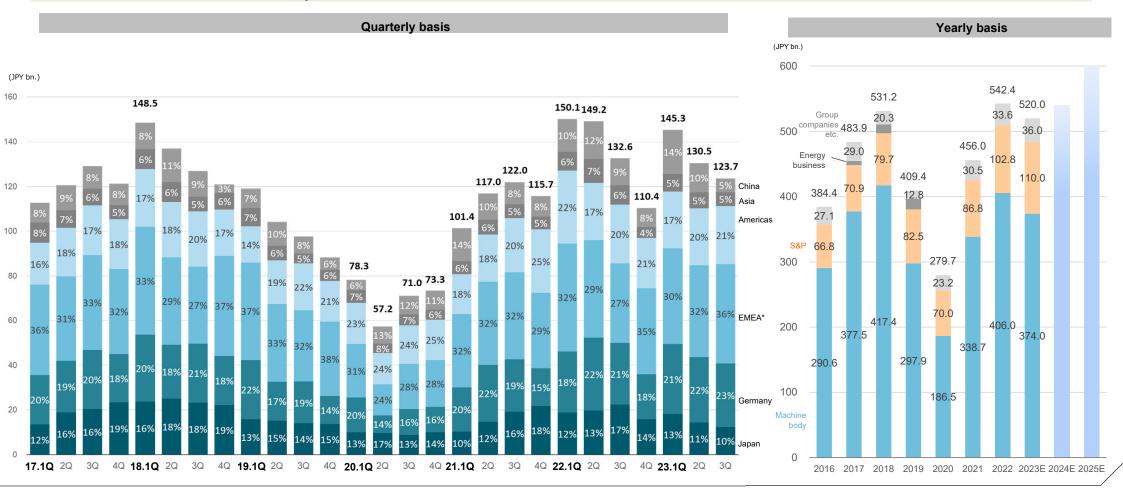
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## Consolidated Order Intake

# **DMG MORI**

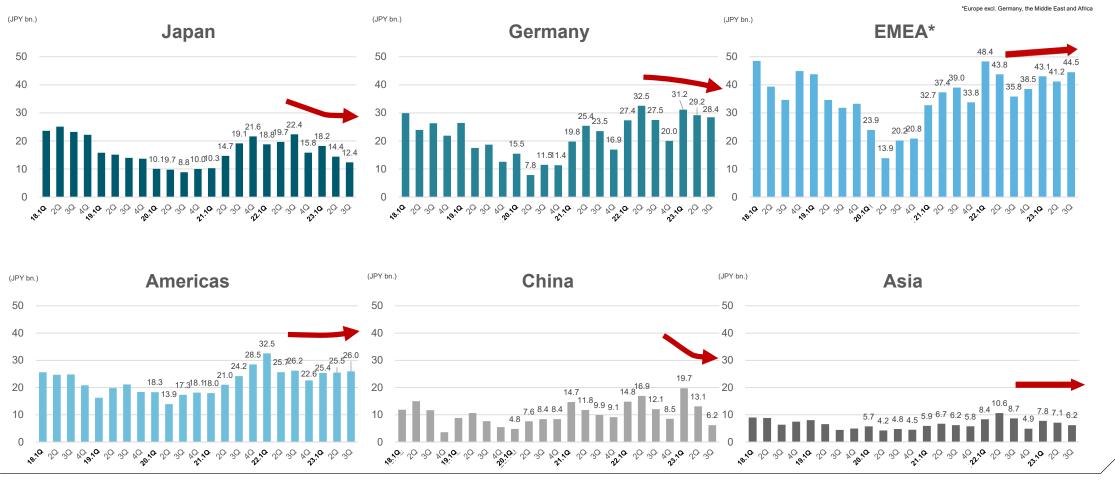
- 3Q (Jul Sep) order intake: -6.8% y-o-y (2Q (Apr Jun): -12.5% y-o-y)
- · Increased share of EMEA, Germany, Americas



# Order Intake by Region



- · Solid demand from EMEA, Americas. Germany remains stable. Many large-scale automation projects in all three regions.
- · Japan/Asia: weak. China: significant slowdown due to weak macroeconomic trends and export restrictions.

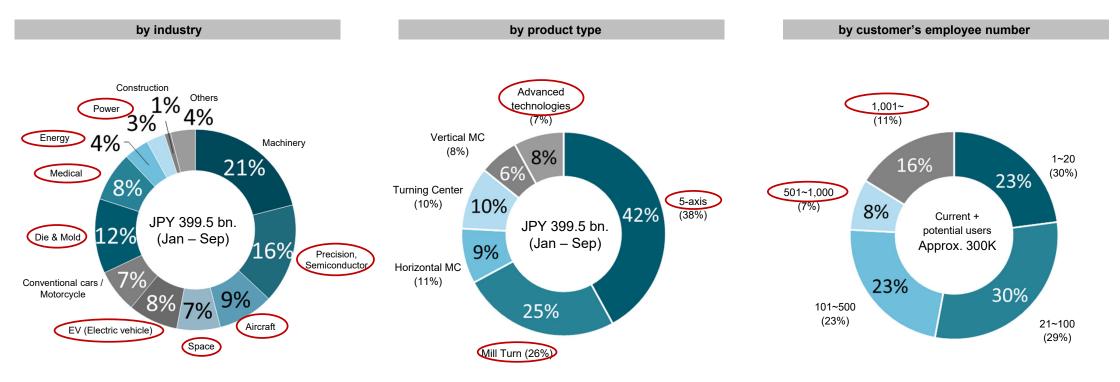


## Order Composition (Jan-Sep)



- · Solid demand from aircraft, space, medical, energy/power industries. Semiconductor related industries recovering in Europe.
- · Medium-/Large-size companies continue investing into process integration/automation. SMEs slow to make investment decisions.

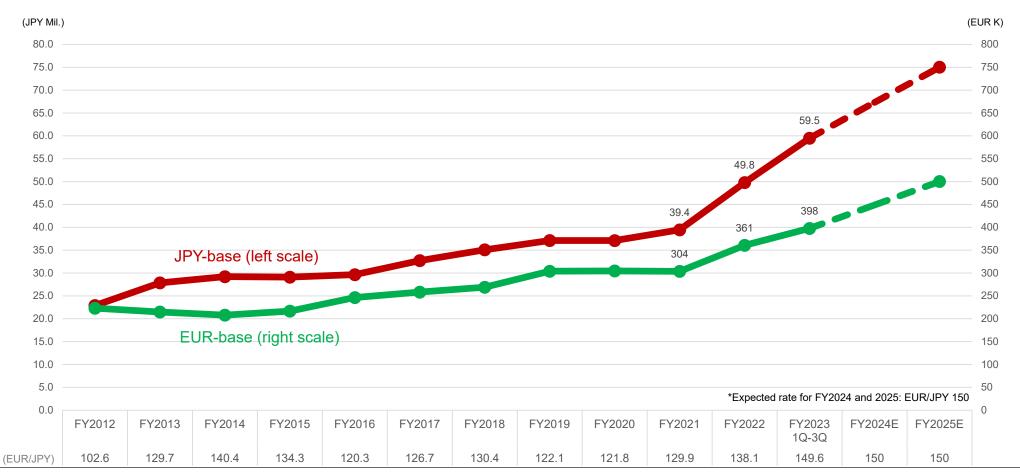
Based on amount (% in brackets: FY2022 Jan-Dec)



# Average Order Price per Unit



- Significant increase to JPY 59.5 mil. in FY 2023 1Q-3Q (FY 2022 average: JPY 49.8 mil.), EUR base also +10% y-o-y
- · Increase driven by high-value proposals and lower discounts through MX (process integration, automation, DX, GX), and weak yen



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# EMO HANNOVER 2023 September 18-23

## **DMG MORI**



# EMO HANNOVER 2023 Highlight: MX (Machining Transformation)

# **DMG MORI**



# EMO HANNOVER 2023

Process Integration: World Premiere of New 5-axis HMCs INH 63/80



▼ Three features: Precision, Productivity, Flexibility to promote MX







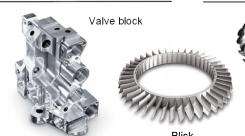
Automation system with NHX (4-axis), INH 63 (5-axis) and LPP

# Aircraft

Energy

Die & Mold

Electric Vehicle









# EMO HANNOVER 2023 Automation: 21 Systems + World Premiere of AMR 2000

**DMG MORI** 

The self-driving robot AMR 2000 allows highly flexible transfer of workpieces, chips and tools up to 2000kg



# **EMO HANNOVER 2023** DX: CELOS X, CELOS Xperience, CELOS Xchange





WALC CARE

- Predictive maintenance

Periodic diagnoses



Al-based data processing



**ERP** 







- **E**ASY OPERATION
- **E**XTENDED SPINDLE HOURS
- **E**NERGY EFFICIENCY











IR CONFERENCE 2023/10/25

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# **Global Factory Tours**

# **DMG MORI**









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# 4. Enforcement of Group Strategy

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# MAGNESCALE: New Laserscale Factory in Nara City

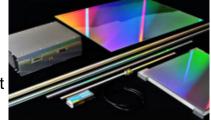
### **DMG MORI**

Increased production of Laserscales with world-class ulra-high resolution of 2.1 picometer (2.1 × 10-9 mm)

\*1 picometer = 1 billionth of a millimeter

50% market share for high-precision measurement for front-end processes in the semiconductor production equipment

\*Estimation by Magnescale



Ultra-high resolution laserscale

Stonger BCP organization by 2 factory locations (Isehara, Nara)

#### ■ Magnescale Co., Ltd. - Company Profile

HQ	Koto-ku, Tokyo, Japan			
Main plant	Isehara City, Kanagawa Pref.			
Foundation	August 1969			
	Acquired from Sony Group Corporation in 2010			
Business	Development, Production and Sales of Magnescale, Laserscale and Digital Gauge			
Headcount	352 (consolidated, as of Sep. 2023)			
Sales revenue	FY2010 FY2023 FY2030 Actual Forecast Target  Around JPY Around JPY Around JPY 5.0 bn. 20.0 bn. 40.0 bn.			



Area size	13,220ൻ (production start in 2nd half 2025)
Total investment	approx. JPY 11.7 bn.
Annual production	25,000 pcs. → 60,000 pcs.

# 100% Share Aquisition of KURAKI Co., Ltd.

### **DMG MORI**

#### **■** Transaction Schedule

Conclusion of Contract : September 6, 2023

Share transfer : By the end of 2023 (planned)

Acquisition price : JPY 4.5 bn.

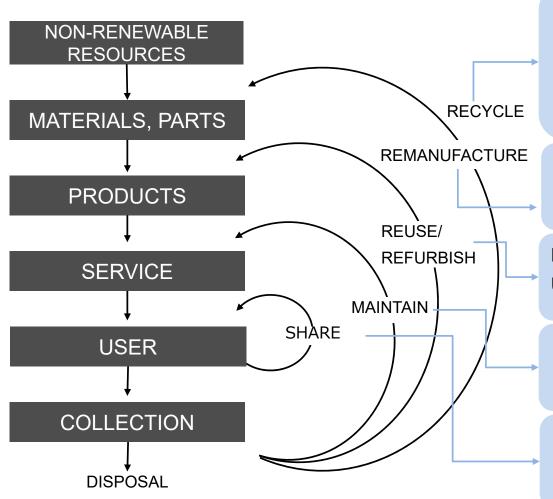
#### ■ KURAKI Co., Ltd. - Company Profile

Location	Nagaoka City, Niigata Pref.
Main product	CNC horizontal boring & milling machines (Market share in Japan: approx. 40%)
Main customer industries	Automotive, vessels, New energy, Aerospace etc.
No. of employees	295 (consolidated, as of Mar. 20, 2023)
Latest financials	Apr. 2022 – Mar. 2023 Actual
Sales revenue	around JPY 6.0 bn.
Operating profit	around JPY 0.2 bn.
Operating margin	around 3.0%



# Circular Economy: DMG MORI CIRCULAR CO., LTD. (Scheduled To Be Established In November 2023)

### **DMG MORI**



#### **Recycle business for castings**

- DMG MORI CASTECH will recycle old machines for casting production (successfully tested)
- Confirmed profitability
- Planned to cover 20% of annual casting demand







# Remanufacturing:

Spindle rebuild

1,000 units in 2023





Re-use & Refurbish Used machine sales





### Service/Maintenance(over 20% of revenue)

For stable long-term use of machine tools



#### **Sharing: AM Lab & Fab**

Contract Manufacturing Service
Technology sharing with customers



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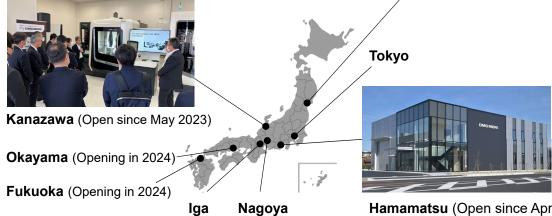
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# Opening of DMG MORI ACADEMY in Sendai, Japan (Sep 8) 3rd Location after Kanazawa & Hamamatsu

## **DMG MORI**



Sendai (Open since September 2023)



Hamamatsu (Open since April 2023)



DMG MORI ACADEMY Sendai



DMU 50 3rd Generation



NTX 1000 2<sup>nd</sup> Generation

# HR: New "5-axis Machining Technology Certificate" from 2024

## **DMG MORI**

### 4-Level Certification System

Bronze

Silver

Gold

Platinum

**Examination Subjects** 

#### Drawing/Product Knowledge

Machine Selection/ Production Planning

**Process Design** 

Programming/Simulation

Tool/Fixture Selection

Setup/Machining

Installation/ Accuracy Adjustment

Task Management/Maintenance







# The 47th WorldSkills Competition: Qualification Tournament for Turning & Milling at Iga Campus



The 47th WorldSkills Competition – Japan Qualification Tournament

**Date:** October 8 - 10, 2023

Organizers:

Ministry of Health, Labour and Welfare

Japan Vocational Ability Development Association

Location: DMG MORI Iga Campus

Categories: CNC Turning, CNC Milling

Machines: 2x NLX 2000 | 500,

2x NVX 5080 | 40 2<sup>nd</sup> Generation

Main Competition:

September, 2024, in Lyon, France



More information on the WordSkills Competition on JAVADA's website: https://www.javada.or.jp/jigyou/gino/kokusai/47 CNC senkoukai.html

# The 18th Cutting Dream Contest (2023)

# **DMG MORI**



**Award Presentation Ceremony** 

On November 27 (Mon) Location: Imperial Hotel Tokyo

Production Parts Machining				
Gold	Giant & Ultra-Thin Ring	IG EVEARTH CO., LTD.		
Silver	Aspherical Honeycomb Lens Array (for Image Inspection Devices)	Circle & Square Co., Ltd.		
Bronze	Resin Volute Springs 10°	Koga Denki Corporation		
Technique	Waveguide	ShonanAutoCut Inds. Ltd.		

	3				
Academic Research					
Gold	Slit Lenticular Puzzle	Kobe Advanced Institute of Technology			
Silver	Fans Made of Recycled Bottle Caps	Kindai University Technical College			
Bronze	Rose and Beetle (Interior Plastered)	Chugoku Polytechnic college			
Bronze	Oloids	Hyogo Prefectural Monodzukuri Institute			

Prototype & Test Cut Machining			
Gold	Ultra-Thin & Long Part	Koga Denki Corporation	
Silver	Screw-Spring	KYOCERA Corporation	
Bronze	Ultra-Thin Capsule with Ultra- Fine Holes	IG EVEARTH CO., LTD.	
Bronze	Mini Kettle (No Boiling!)	Askk Co., Ltd.	
Technique	Sea Anemone Micro Nozzle	Akitsu Industry Co., Ltd.	
Technique	Turbine Blade Ammonite	CASTEM CO.,Ltd.	

Advanced Machining				
Gold	Transparent Picture Frame (Umezawa Hamlet-Fields)	INAC Co., Ltd.		

Artistic Form Machining				
Gold	Paper	Seibu Co., Ltd.		
Silver	Helicopter	Noda Plastic Seikou Co., Ltd.		
Bronze	Oxalis	Circle & Square Co., Ltd.		
Bronze	Lucanus Maculifemoratus	YAMAMOTO SEIKI CO., LTD.		
Technique	Two-Face Cup with Latent Images	IG EVEARTH CO., LTD.		
Technique	Petit Paris	ASAHI YUKIZAI CORPORATION		

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### Our Investigation & Response to alleged Sales of Machines made in Russia



Germany BAFA\* Japan METI\*\*

DMG MORI strictly complies with export control regulations in Germany and Japan, and we found no evidence of any violations.

#### Findings of extensive on-site review:

- After Russia started the invasion of Ukraine on February 24, 2022, DMG MORI Group immediately stopped its regular business operation.
- On March 3, 2022, we announced the planned closure of the production (Ulyanovsk Machine Tools) and sales bases (DMG MORI Russia) in Russia. At the same time, we started business backlog processing.
- Approx. 120 units of order backlog remained at the time of the closure. To avoid litigation in Russia and the possibility of the machines coming to the attention and control of the Russian government, we delivered some of our products to customers used only for civilian purposes, also in compliance with Japanese and German export control regulations. We had received the payment in the first half of 2023.
- Some orders had to be cancelled and we have refunded the down payment to the customers.
- 18 units shipped before the war from Japan or Germany are still in stock at the Ulyanovsk Machine Tools.
- Of the around 200 Russian employees, 190 have been laid off and the remaining 9 are in charge of inventory and asset protection in Moscow and Ulyanovsk. BAFA\*: Bundesamt für Wirtschaft und Ausfuhrkontrolle / Federal Office for Economic Affairs and Export Control

METI\*\*: Ministry of Economy, Trade and Industry

### Disclaimer

### **DMG MORI**

This material contains targets, plans, etc. concerning the future of DMG MORI CO., LTD..

All predictions concerning the future are judgments and assumptions based on information available to DMG MORI CO., LTD. at the time of writing. There is a possibility that the actual future results may differ significantly from these forecasts, due to changes in management policy or changes in external factors. There are many factors which contain elements of uncertainty or the possibility of fluctuation including, but not limited to, the following:

- > Changes in the demand environment within the markets in which DMG MORI group operates
- > Fluctuations in exchange rates
- ➤ Changes to the laws, regulations and government policies in the markets where DMG MORI group conducts its business
- > DMG MORI CO., LTD.'s ability to develop and sell new products in a timely fashion
- > Instability of governments in the markets where DMG MORI group conducts its business
- > Operational changes by the competent authorities or regulations related to anti-trust, export control, etc.
- > Travel restrictions or stay-at-home requests for COVID-19 in Japan and other countries