

We are looking for partners who  
can work together with us in  
pioneering new fields and  
technologies!



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לא נבדקת  
לפי הגדרותיך

**Breathing life into  
steel and aluminum**

HUO MALLEABLE IRON CO.,LTD

# About company

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① General profile

② Sales

③ Organization

④ Location

⑤ Capability

⑥ VISION

# About company

## General Profile

- ◀ Established January, 1944
- ◀ Capital 9.1 million USD
- ◀ All workers 755 person (Group 1056)
- ◀ Sales amount 245 million USD (As of Mar. 31, 2022)
- ◀ Stock market Nagoya stock exchange  
CODE : 5607  
(Major shareholder: TOYOTA 5%)
- ◀ Business contents
  - Cast - Iron (Ductile) and Aluminum
  - Office furniture

# HISTORY

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- 1944 ; Established**
- 1948 ; Started business with Toyota (Rear hub)**
- 1959 ; Introduction of Japan's first automatic molding line (with SINTO)**
- 1960 ; Listed on stock exchange**
- 1978 ; Introduction of FVB (with TOYOTA&SINTO)**
- 1979 ; Developed automatic pouring machine**
- 1980s ; Started parts of construction machine and robot**
- 1980 ; Started Aluminum gravity casting**
- 1983 ; Awarded TOYOTA quality control prize**
- 1998 ; Started Aluminum die - cast (Laminar flow & squeeze)**
- 2000s ; Advanced to China**  
**Mar 2001 ISO 14001 / Sep 2004 ISO 9001**
- 2019 ; Introduced the world's fastest automatic molding line**
- 2020 ; Capital alliance with Toyota Industries Corporation**
- 2022 ; Organizational reform for new business development**  
**(established Business Innovation Department)**

# CORPORATE PHILOSOPHY

Contributing to society through  
challenge and creativity to deliver  
dreams for the future



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# OUR BUSINESS

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MOBILITY

INDUSTRIAL  
MACHINERY

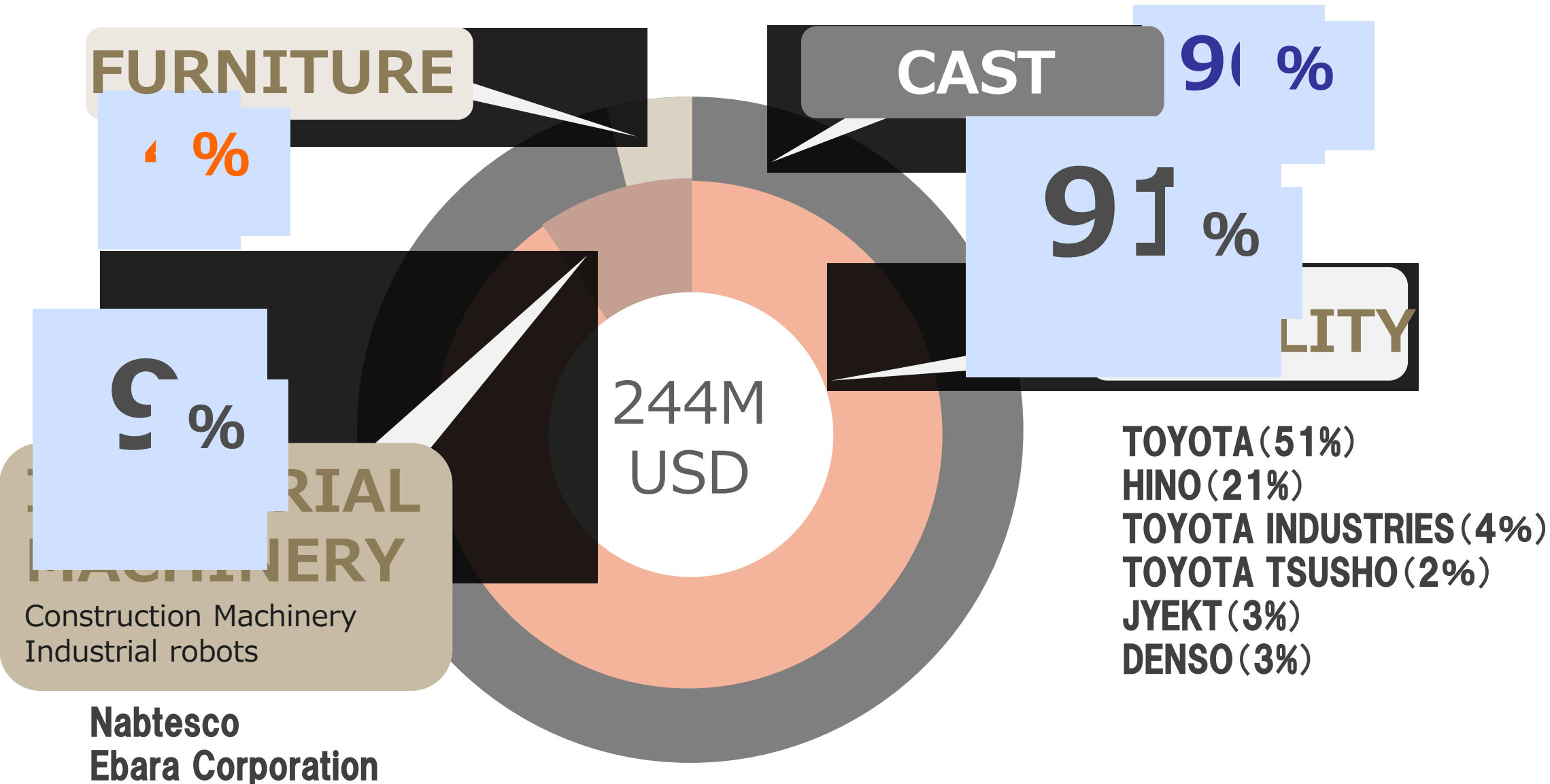
Product business by casting and  
machining of iron and aluminum

FURNITURE

Office / Home seating  
comfo friendly chair business

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# SALES COMPOSITION RATIO



# PRODUCTS [CAST IRON / ALUMINUM]

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# PRODUCTION BASE

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**JAPAN** 3locations (Gr3 locations)

- NISSIN (Aichi pre)
- GIFU
- KUMAMOTO

**CHINA** 2locations

- SUZHOU

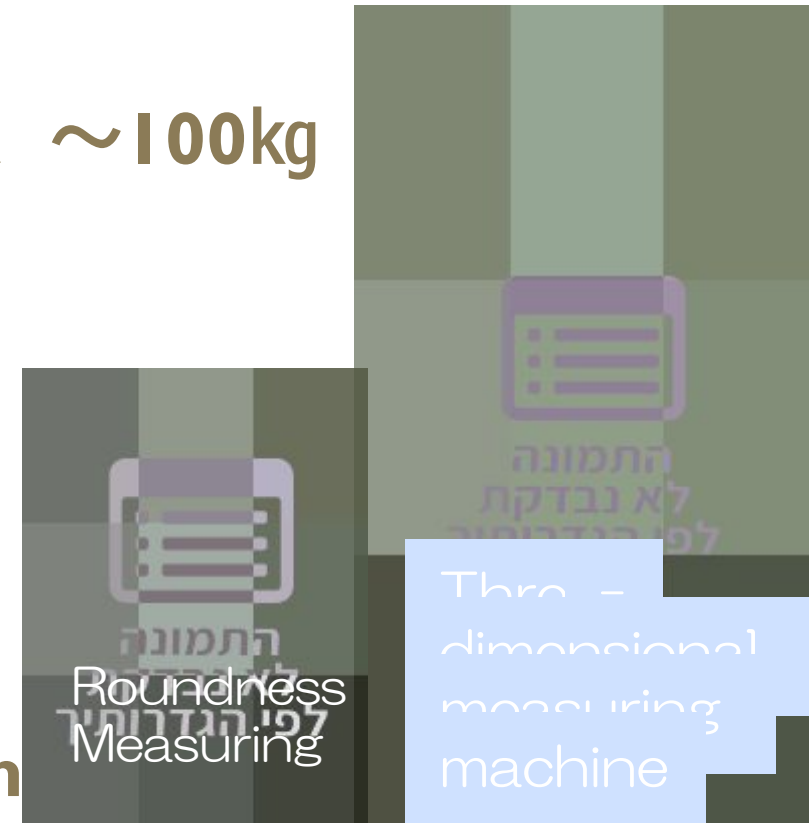
[岐阜久尻工程紹介.mp4](#)



# CAPABILITY

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- **Product design, proposal, VEVA** (ease of manufacture and weight reduction)
- **Casting + Machining (One-stop)**
- **Process design (Casting plant, process planning, lay-out)**
- **Production Know-How**
  - mass-production ⇔ High mix & small volum, ~100kg
- **Cast simulation, CAD, CAM**
- **Metal mold produced by in-house**
- **Toyota production System method**
- **Own developed automatic pouring machine**
- **Measuring / Material Analysis**
  - High-pressure tester/Spheroidizing Inspection**



# PRODUCTS [ HOME/BUSINESS FURNITURE ]

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In charge of planning and design



To be used for long periods of time and to lean back." People-friendly chairs

# ISU1-GP 【RACING ON OFFICE CHAIRS】

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爆走！“いすー1グランプリ” 2時間耐久の過酷なレース 事務椅子に座って駆け抜けろ！ - YouTube

# LIGHTWEIGHT TECHNOLOGY

## <CFRP · GFRP>

# LIGHTWEIGHT TECHNOLOGY <CFRP · GFRP>

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Ex : Industrial drone

- 17 parts to 1 part
- Improved strength, rigidity, and durability
- Weight reduction by 25
- Improved radio reception performance

Multi-material components can be optimally arranged and integrally molded.

**Improved mechanical performance**

# COOPERATION

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Invests USD 2 million in U.S. company ARRIS Composites, Inc.  
(November 2021)

# LIGHTWEIGHT TECHNOLOGY

<CFRP · GFRP>

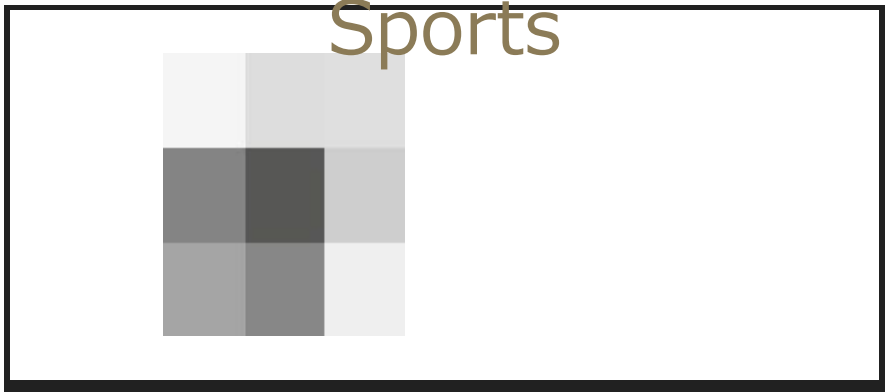
Electronic Components



Mobility



Sports



Medical Equipment



**Collaboration with companies to develop products**



# NANOFIBER TECHNOLOGY



### Features

- 1 Moisture retention and heat insulation
- 2 Antibacterial
- 3 Non-absorption of odors
- 4 Water repellency, etc.

# NANOFIBER TECHNOLOGY

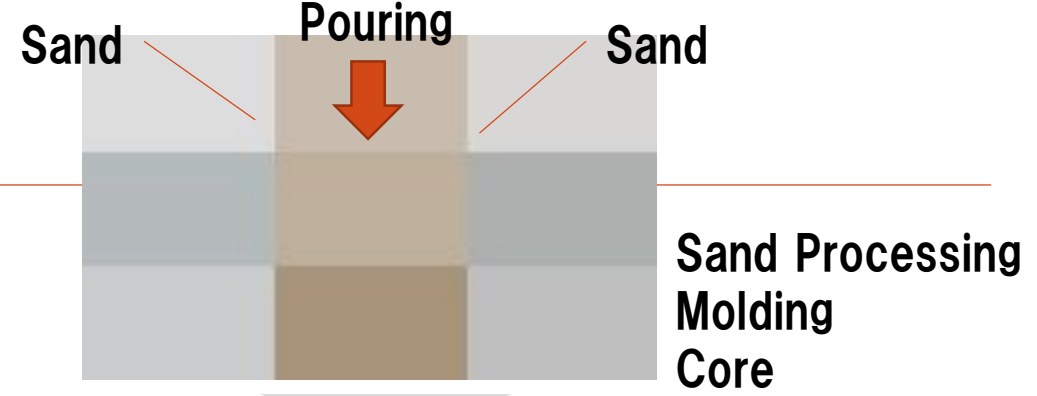
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- **Lightweight and insulating camping equipment and plastic greenhouses for agriculture**
- **Soundproofing material for automobiles etc.**

# **FACTORY AUTOMATION**

# PRODUCTION LINE



Material Compounding



melting



Pouring



machining



burr removal



gate cutting



# FACTORY AUTOMATION

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Collaborative Robotics

AGV & IoT

AI Appearance Inspection



The social issues facing the manufacturing industry are piling up...  
**We want to collaborate on demonstration experiments**

# COLLABORATION

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**THANK YOU!**