

HOUSE OF MOLD

Precision Plastic & Tooling Solutions

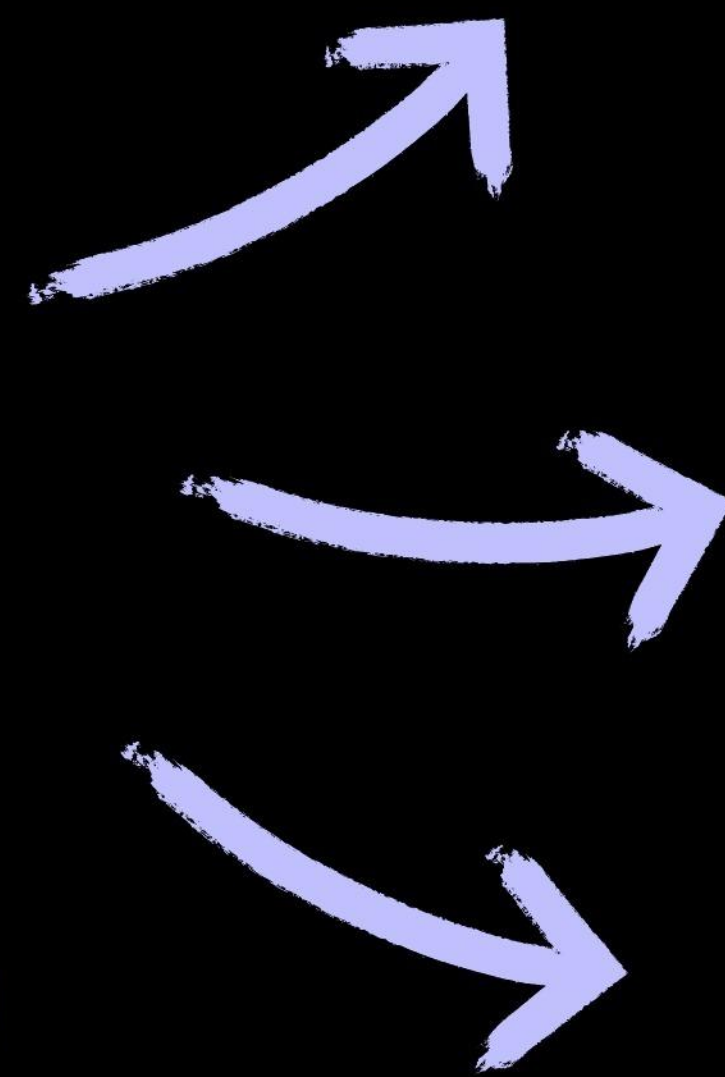
**European quality,  
*Turkish speed.***

# Industry

## ***Pain Points & Opportunity***

- ▼ **Current OEM & Tier-1 challenges:** shrinking cycle times, cost pressure, demand for lightweight parts, sustainable materials.
- ▼ **EV boom** - plastic trim demand CAGR +6% (2024-2030).
- ▼ **Quote:** “We need agile suppliers with tool & part under one roof.”  
— Commodity Manager, OEM X

# Our Integrated *Solution*



**Design & DFM**

**Mold Manufacturing**  
(8–12 week lead time)

**Serial Production**  
(0-PPM target, IATF 16949)

▼ One partner, end-to-end workflow, up to 10% lower total cost of projects.

# WHO WE ARE?

- ▼ Founded [2020]; facility size H1 Mold Division 2000m<sup>2</sup>; +70 employees;
- ▼ CNC sizes 1000\*500 to 3230\*1700 mm up to 40 tonnes mold. Facility
- ▼ size H2 Plastic Division 8000m<sup>2</sup>; +90 employees; press range.
- ▼ 120-1,300t and assembly capability.
- ▼ Geo-advantage- 48h truck transit to EU OEM hubs.

# Capabilities & Technology

- ▼ 6 axis CNC milling, automated milling ability, high precision milling, CNC lathe spotting press.
- ▼ 2-K injection, Ultrasonic Welding, central automated raw material feeding, all presses used by robots, In Mold Labelling, CMM and 3D Scanning.

# Value Proposition

- ▼ TCO & lead-time benchmark table (HoM vs. European vs. Chinese supplier).
- ▼ Promise: “Big-company quality, boutique agility.”

# Plastic Supplier Comparison

Criteria	House of Mold	vs. China	vs. Europe
Cost per Part	Competitive (medium-low)	Very low (price leader)	High (labor + compliance costs)
Tooling Cost & Time	Reasonable, ~6–10 weeks	Long delivery time	Very high, but precise (8–12 weeks)
Logistics Lead Time	1–3 days to EU	30–45 days (sea)	1–3 days within EU
Quality Consistency	Improving rapidly	Variable	High and stable
Certifications (IATF, ISO)	Available but scattered	Limited on SME level	Widely adopted
Design & DFM Support	Moderate	Low	Strong, often embedded
Responsiveness / Agility	High (owner-driven firms)	Low	Medium
Digital Traceability (MES, SPC)	Partially implemented	Rare	Standardized in larger suppliers
Sustainability/ESG Alignment	Growing awareness	Minimal	Strong (recycled content, ESG reports)
<b>TCO Score</b>	<b>16</b>	<b>24</b>	<b>14</b>

Heavy Blue	<b>3</b>
Mid Blue	<b>2</b>
Light Blue	<b>1</b>

# Reference Projects

## *Success Stories*

Customer	Project	Outcome	Status
YAZAKI	ICA3 Project	Cost reduction to use alternative materials around 300K €/year	Done
YAZAKI	Localization-Romania to HOM	CO2 cost reduction and stock level decrease for customer	Done
HYDAC	Localization Project	Globally %10 saving made for customer, around 100K €/ year	Done
BKM	IML Implemantation	Part production cycle reduced 18 sec. to 12 sec (%33 saving)	Done
#NA	Automated production - control System	Industry 4.0 Study- Targeting reduce of operator 15 to 3 /shift. 400K-600K € saving per year	Ongoing-Target 2025 Q4

# Reference Projects

## *Success Stories*

Customer	Project	Outcome	Status
#NA	Spotting press was used as a standard step to	Decreased mold validation cycles by up to 2 iterations, optimizing the timeline for customer approval	Done
BKM	Performing new tool with 6x deep hole drilling	compact cooling layout and reduce cycle times significantly 12 sec to 8sect	Ongoing-Target 2025 Q2
#NA	Fully automated copper feeding	6-axis robotic copper feeding enhanced process stability and operator safety.	Ongoing-Target 2025 Q3
#NA	Implementation of dual-head EDM	significantly reduced mold machining time, boosting production efficiency.	Ongoing-Target 2025 Q3

▲ Before/after photos + metrics.

# Customers

B/S/H/

 OTOTRIM 



AKWEL

 YAZAKI

**BMC**  
POWER

**Schroeder**  
INDUSTRIES

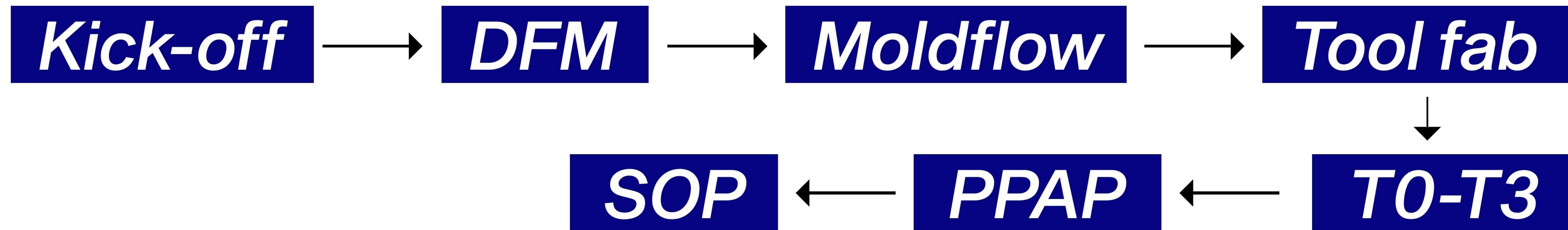
**HYDAC**

 ESSENTRA

  
FARMASI

# Process & APQP Roadmap

Schematic timeline:




## Quality & Sustainability

- ATF 16949, ISO 9001, ISO 14001, ISO 27001, ISO 50001, ISO 45001
- 12% recycled
- PP, closed-loop water cooling.
- CO<sub>2</sub> dashboard.

# Partnership Models

- ▼ Build-to-Print | Co-development | Reverse Engineering.
- ▼ Commercial model = Tool + PP amortization graph.
  - ▼ 3-year collaboration roadmap.

**“Get your  
project quoted  
in 48 hours.”**



# Machine List

## MOLD DIVISION

1- OKUMA-MULTUS U3000 6 AXIS MILLTURN	Ø650x1500
2- KAO MING 318 HS	3230X1700X850
3- KAO MING 218	x2 2230X1700X850
4- TEMMY CMD-1613 6 AXIS	1600X1300X800
5- OKUMA-MU-6300V 5 AXIS	Ø925x1050x600
6- SPINNER U1530 5 AXIS	x2 1530X530X465
7- TAKUMI H16	1600x1300x700
8- TAKUMI H12E	1360X960X580
9- TAKUMI H10	1020X700X500
10- OKUMA M660V	1500X660X660
11- HAAS VF4 SE	1270X508X635
12- BROTHER W1000XD1	x2 1000X500X300
13- STAR SR-32JIII 8 AXIS	Ø32x320
14- FRONTIER MCV 1270	x2 1250X700X600
15- SMEC-SL2500	Ø360x520
16- MILLUTENSIL SPOTTING PRESS	
17- MITSUBISHI MV-2400S	x2
18- MAXSEE CNC-P209 (DUAL HEAD)	
19- MITSUBISHI SG-12S	
20- PERFECT PFG 50100 AHT TRENDS	x2
21- SN50C 2000	
22- OSCARMAX S430S	x3

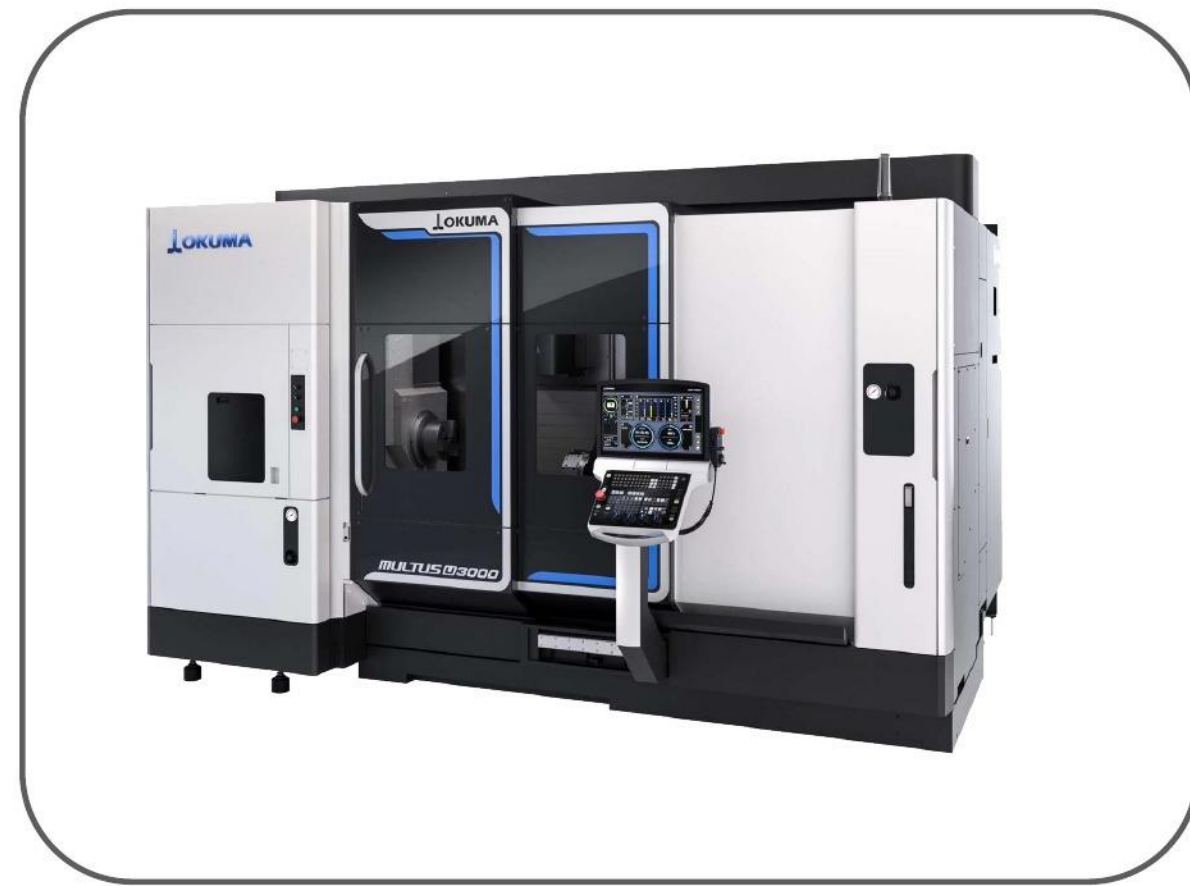
## PLASTIC DIVISION

1- KRAUSS MAFFEI 1300T	
2- KRAUSS MAFFEI 850T	
3- KRAUSS MAFFEI 650T 2K	
4- WITTMANN MACROPOWER 550T	
5- ENGEL 500T	
6- KRAUSS MAFFEI 420T	
7- KRAUSS MAFFEI 320T	
8- ENGEL 300T	
9- KRAUSS MAFFEI 250T	
10- WITTMANN SMARTPOWER 240T	
11- ENGEL 220T	
12- KRAUSS MAFFEI 200T	
13- KRAUSS MAFFEI 160T	
14- KRAUSS MAFFEI 130T	
15- ENGEL 120T	
16- MS SONXMAC ULTRASONIC WELDING	
17- MOTAN CENTRAL RAW MATERIAL SYSTEM	
18- SEPRO ROBOTS	x12
19- WITTMANN ROBOTS	

## QUALITY LAB

1- MITUTOYO CRYSTA APEX S
2- MITUTOYO FORMTRACER AVANT
3- C3200
4- MITUTOYO PJ-A300
5- HITACHI PMI MASTER PRO II
6- AMATEK LLYOD LD 10
7- MITUTOYO QUICK IMAGE 361
8- MITUTOYO SJ410
9- MITUTOYO LH-600
10- CREAFORM HANDYSCAN

# CNC *Machines*



**OKUMA MULTUS U3000 6 AXIS**  
Ø650 x 1500



**KAO MING KMC-218**  
2230X1700X850



**KAO MING 318 HS**  
3230X1700X850



**TEMMY CMD-1613**  
1600X1300X800



**OKUMA MU-6300V 5 AXIS**  
925x1050x600



**SPINNER U1530 5 AXIS**  
1530X530X465



**TAKUMI H16**  
1600x1300x700

# CNC *Machines*



**TAKUMI H12**  
1360X960X580



**TAKUMI H10**  
1020X700X500



**OKUMA M660V**  
1500X660X660



**HAAS VF4 SE**  
1270X508X635



**BROTHER W1000XD1**  
1000X500X300



**STAR SR-32JIII 8 AXIS**  
Ø32X320



**FRONTIER MCV 1270**  
1250X700X600



**SMEC-SL2500**  
Ø360X520

# MOLD SHOP *Machines*



MILLUTENSIL SPOTTING PRESS



MITSUBISHI  
MV-2400S



CNC-P209  
(DUAL HEAD)



MITSUBISHI SG-12S



PERFECT PFG  
50100 AHT



TRENS SN50C 2000



OSCARMAX  
S430

# INJECTION *Machines*



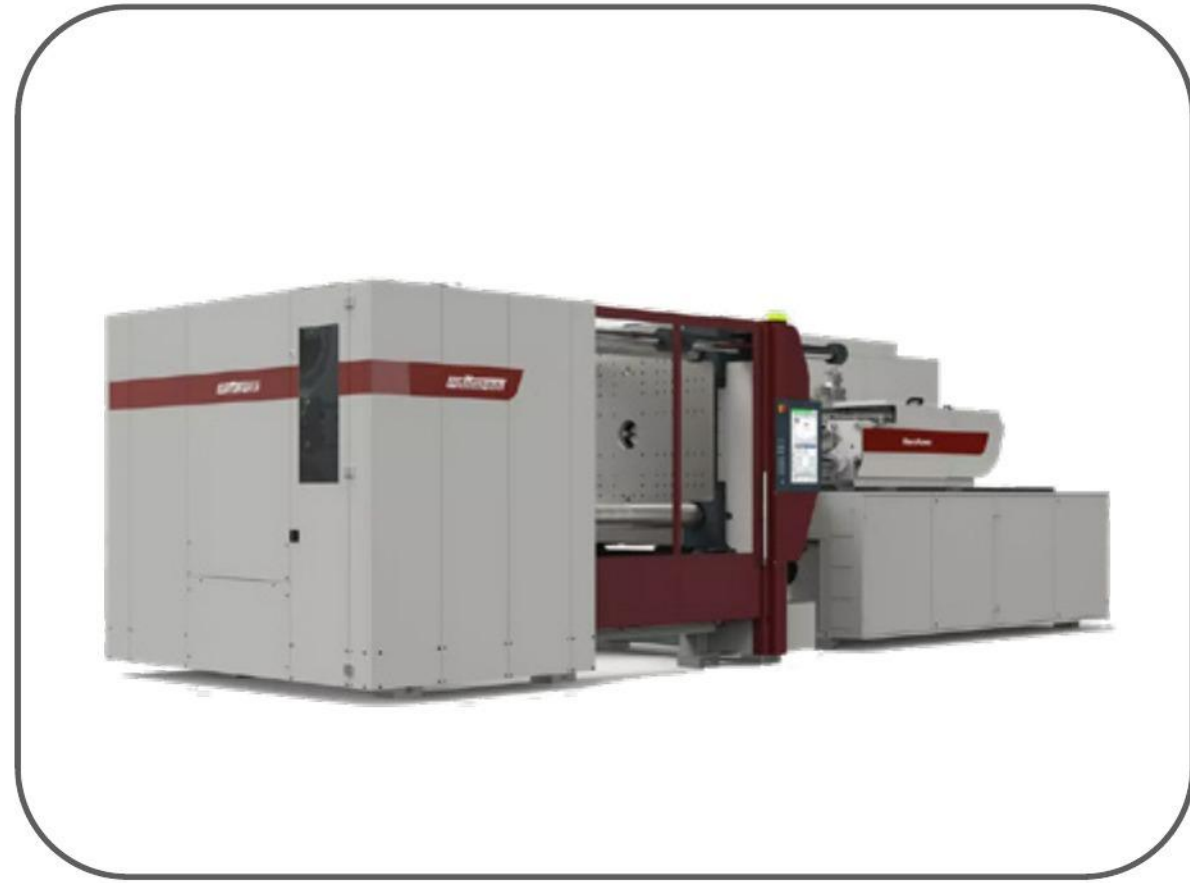
**KRAUSS MAFFEI 1300T**



**KRAUSS MAFFEI 850T**



**KRAUSS MAFFEI 650T 2K**



**WITTMANN MACROPOWER 550T**



**ENGEL 500T**



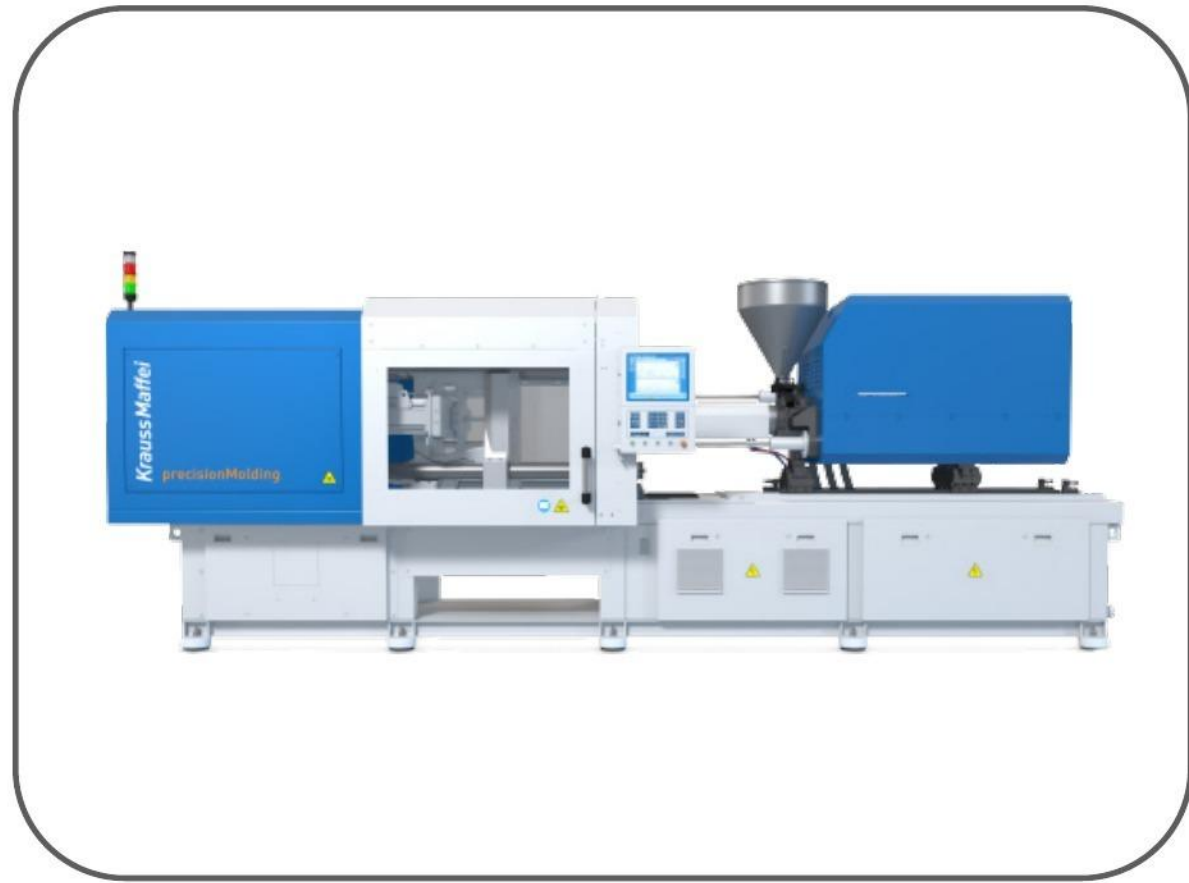
**KRAUSS MAFFEI 420T**



**KRAUSS MAFFEI 320T**



**ENGEL 300T**



**KRAUSS MAFFEI 250T**

# INJECTION *Machines*



WITTMANN SMARTPOWER 240T



ENGEL 220T



KRAUSS MAFFEI 200T



KRAUSS MAFFEI 160T



KRAUSS MAFFEI 130T



ENGEL 120T



MS SONXMAC  
ULTRASONIC WELDING



MOTAN CENTRAL RAW  
MATERIAL SYSTEM

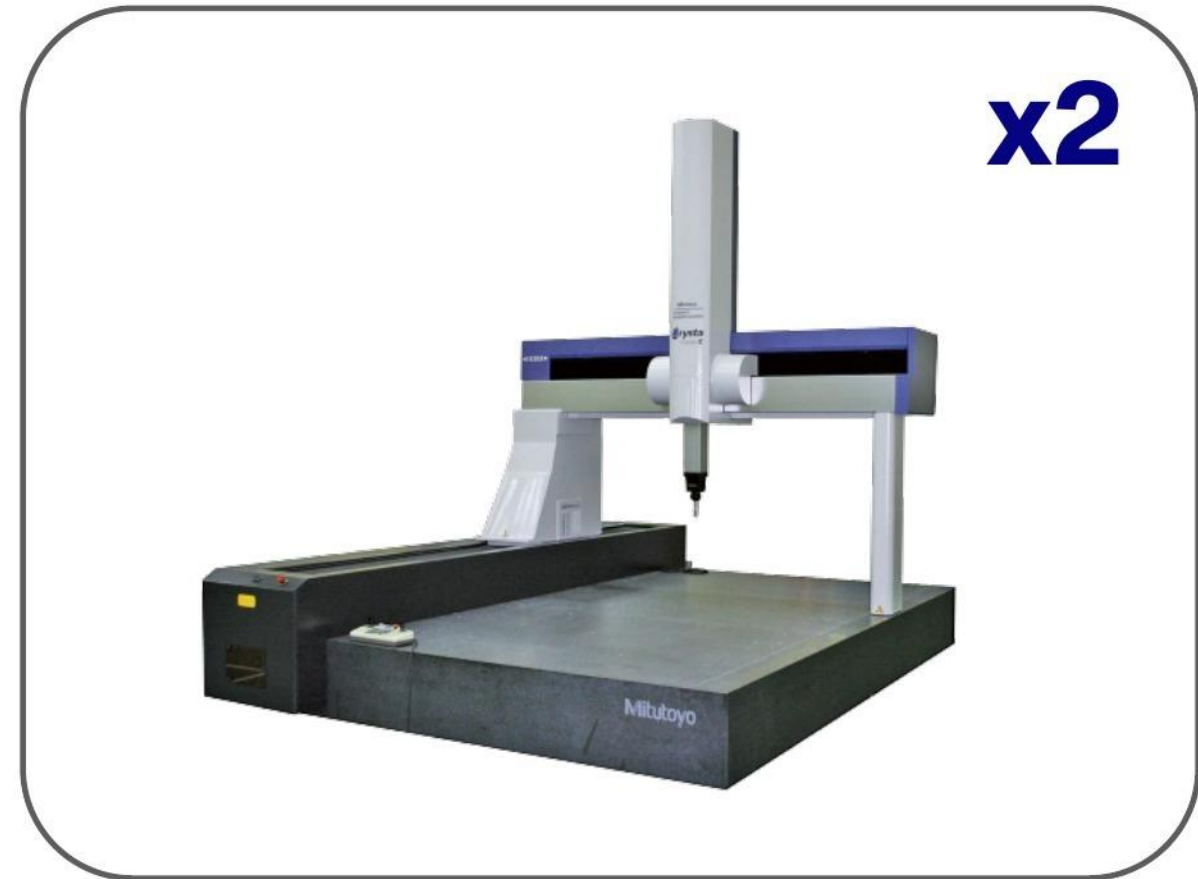


SEPRO ROBOTS



WITTMANN ROBOTS

# QUALITY *Machines*



**MITUTOYO CRYSTA APEX S**



**MITUTOYO FORMTRACER AVANT**



**MITUTOYO PJ-A300**



**KRAUSS MAFFEI 160T**



**HITACHI PMI MASTER PRO II**



**AMATEK LLOYD LD 100**



**MITUTOYO QUICK IMAGE**



**MITUTOYO LH-600**



**MITUTOYO HR-400**



**CREAFORM HANDYSCAN**

# Certificates

**CERTIFICATE** 

for the management system according to ISO 9001:2015

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company

**H**  
HOUSE OF MOLD  
HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ LTD. ŞTİ.  
TOSB Otomotiv Mah. 17. Sok. No:2/9 Çayırova - Kocaeli / Turkey  
with the location (see annex)

Scope  
Design, production and sales of mold. Production and sales of plastic injection products

Certificate Registration No.: 151002111252 Valid until: 2027-09-26  
Audit Report No.: 3330/00B/00 Valid from: 2024-09-27

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits.

 Jena, 2024-09-27  
 

**CERTIFICATE** 

for the management system according to ISO 45001:2018

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company

**H**  
HOUSE OF MOLD  
HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ LTD. ŞTİ.  
TOSB Otomotiv Mah. 17. Sok. No:2/9 Çayırova - Kocaeli / Turkey  
with the location (see annex)

Scope  
Design, production and sales of mold. Production and sales of plastic injection products

Certificate Registration No.: 1511824644 Valid until: 2027-09-26  
Audit Report No.: 3330/00B/00 Valid from: 2024-09-27

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits.

 Jena, 2024-09-27  
 

**CERTIFICATE** 

Quality Management System Certificate  
**IATF 16949:2016**

We certify that the Quality Management System of the Organization:  
**HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ A.Ş.**

is in compliance with the standard IATF 16949:2016 for the following product/services:  
Production of plastic parts by injection molding

Management System Certification  
Division Manager  
Gökçen Başdaş

**Exclusions:** B.3 related to the product design.  
This certificate is issued in conformity with IATF Rules - IIR Edition.  
The monitoring of this certificate is subject to annual surveillance and dependent on the observation of Kiwa Certified clients contractual requirements.  
This certificate is composed of 1 page.

**HOUSE OF MOLD İLERİ MÜHENDİSLİK TEKNOLOJİLERİ A.Ş.**  
Certified Sites  
Beyoğlu Mah. / SOY / İstanbul / TR  
101/19 Bursa / Türkiye - IATF USE: CH93PP  
Support Periods:  
**HOUSE OF MOLD İLERİ MÜHENDİSLİK TEKNOLOJİLERİ A.Ş.** TOSB Otomotiv Mah. (TAY540) 17. Sok. No. 2/9 Çayırova -11420 Kocaeli - Türkiye - IATF USE: UR26K  
Galvanizing, Continuous improvement, Information technology, Internal audit management, Laboratory, Management review, Policy making, Quality system management, Strategic planning

**SQR CERTIFICATION**



**Sertifika**  
CERTIFICATE

HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ ANONİM ŞİRKETİ

ENİŞTEPE MAH. BEYİNÖZÜNE CAD. KANTON NO: 08 K. KAT: NO: 2/1 BİLE B1 KAMU LİTESİYE  
TOSB OTOMOTİV GÖB. MAH. 17. SK. NO: 2/9 ÇAYIROVA-KOCAELİ/ TÜRKİYE  
BANKIYI MAH. 87. SİBİRLİE SK. 4. BLOK NO: 2/1 Ç. KAT: NO: 1 NİĞERİBERGİSULUYAZI

**ISO/IEC 27001:2022**

Kapsam/Scope  
TALASLI İMALAT VE PLASTİK ENJEKSİYON İMALAT YÖNTEMLERİ İLE PARÇA ÜRETİMİ, KALIP TASARIMI, ÜRETİM VE SATIŞINA YÖNELİK BİLGİ YARUKLARININ KORUNMASI  
PROTECTION OF INFORMATION ASSETS RELATED TO PART PRODUCTION, MOLD DESIGN, PRODUCTION AND SALE USING MACHINING AND PLASTIC INJECTION MANUFACTURING METHODS  
TEKNİK ALAN: A.B1

This is to certify that the above mentioned company meets the requirements of Information Security Management System.

Sertifika No / Certification Number : MTS-47180  
Başvuru Tarihi / Date of Initial Req. : 7.11.2025  
Başvuru Tarihi / Date of Certificate : 7.11.2025  
Geçerlilik Tarihi / Date of Expiry : 6.11.2026  
Yayınlanma Tarihi / Issue : 31.07.2025 / REV00  
Revizyon / Revision : 000

**SIGMACERT DOO**  
Geva Vukovica BB Podgorica, Montenegro  
belgrade@sigmacert.com.tr +3826918952  
YSR-CEI Revizyon 02.05.2025

**CERTIFICATE** 

for the management system according to ISO 14001:2015

The proof of the conforming application with the regulation was furnished and in accordance with certification procedure it is certified for the company

**H**  
HOUSE OF MOLD  
HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ LTD. ŞTİ.  
TOSB Otomotiv Mah. 17. Sok. No:2/9 Çayırova - Kocaeli / Turkey  
with the location (see annex)

Scope  
Design, production and sales of mold. Production and sales of plastic injection products

Certificate Registration No.: 15104242143 Valid until: 2027-09-26  
Audit Report No.: 3330/00B/00 Valid from: 2024-09-27

This certification was conducted in accordance with the TIC auditing and certification procedures and is subject to regular surveillance audits.

 Jena, 2024-09-27  
 

**SQR CERTIFICATION**



**Sertifika**  
CERTIFICATE

HOUSE OF MOLD İLERİ MÜHENDİSLİK  
TEKNOLOJİLERİ ANONİM ŞİRKETİ

ENİŞTEPE MAH. BEYİNÖZÜNE CAD. KANTON NO: 08 K. KAT: NO: 2/1 BİLE B1 KAMU LİTESİYE  
TOSB OTOMOTİV GÖB. MAH. 17. SK. NO: 2/9 ÇAYIROVA-KOCAELİ/ TÜRKİYE  
BANKIYI MAH. 87. SİBİRLİE SK. 4. BLOK NO: 2/1 Ç. KAT: NO: 1 NİĞERİBERGİSULUYAZI

**ISO 50001:2018**

Kapsam/Scope  
TALASLI İMALAT VE PLASTİK ENJEKSİYON İMALAT YÖNTEMLERİ İLE PARÇA ÜRETİMİ, KALIP TASARIMI, ÜRETİM VE SATIŞI  
PART PRODUCTION, MOLD DESIGN, PRODUCTION AND SALES USING MACHINING AND PLASTIC INJECTION MANUFACTURING METHODS  
TEKNİK ALAN: A

This is to certify that the above mentioned company meets the requirements of Energy Management System.

Sertifika No / Certification Number : MTS-47181  
Başvuru Tarihi / Date of Initial Req. : 7.11.2025  
Başvuru Tarihi / Date of Certificate : 7.11.2025  
Geçerlilik Tarihi / Date of Expiry : 6.11.2026  
Revizyon / Revision : 000

**SIGMACERT DOO**  
Geva Vukovica BB Podgorica, Montenegro  
belgrade@sigmacert.com.tr +3826918952  
YSR-CEI Revizyon 02.05.2025

# ***Automotive Industry*** | Projects

# 25+ Products in 5 Projects



## V\*\* Project

- Battery Pack Parts
- Cable Channel Parts
- Tier 1 Kyungshin-Yazaki

## P\*\* Project

- Antifreeze Tank
- Tier 1 Feka

## H\*\* Project

- In Trim Parts
- Tier 1 Feka

## I\*\* Project

- Cable Channel
- Tier 1 Yazaki

## V\*\* Project

- Antifreeze Tank
- Trunk Trim Parts
- Tier 1 Feka-Fompak



# 10+ Products in 3 Projects



## 4\*\* Project

- CHMSL Lens + Housing
- Tier 1 Feka



## 1\*\* Project

- A/C Housing
- Tier 1 Denso



## 2\*\* Project

- Cable Channel
- Tier 1 Yazaki



# 10+ Products in 3 Projects



## B\*\* Project

- Shift Pedal
- Tier 1 Takosan



## K\*\* Project

- Seat Mechanism Parts
- Tier 1 Faurecia



## 2\*\* Project

- Chrome Seat Part
- Tier 1 Faurecia



# 5+ Products in 3 Projects

VOLKSWAGEN  
AKTIENGESELLSCHAFT



## A\*\* Project

- Rear Lens Housing
- Tier 1 Al-Kor



## J\*\* Project

- RR Lens
- Tier 1 Feka



## 9\*\* Project

- CMSL Lens + Housing
- Tier 1 Feka



# 4 Products in 3 Projects



## O\*\* Project

- Bracket + Lens
- Tier 1 Feka



## C\*\* Project

- Bulb Holder
- Tier 1 Feka



## 3\*\* Project

- Housing
- Tier 1 Feka



# 20+ Products

## Common Projects



### Common Project

- Quick Connector Electrical Components
- Tier 1 Akwel



# 2 Products in 1 Project

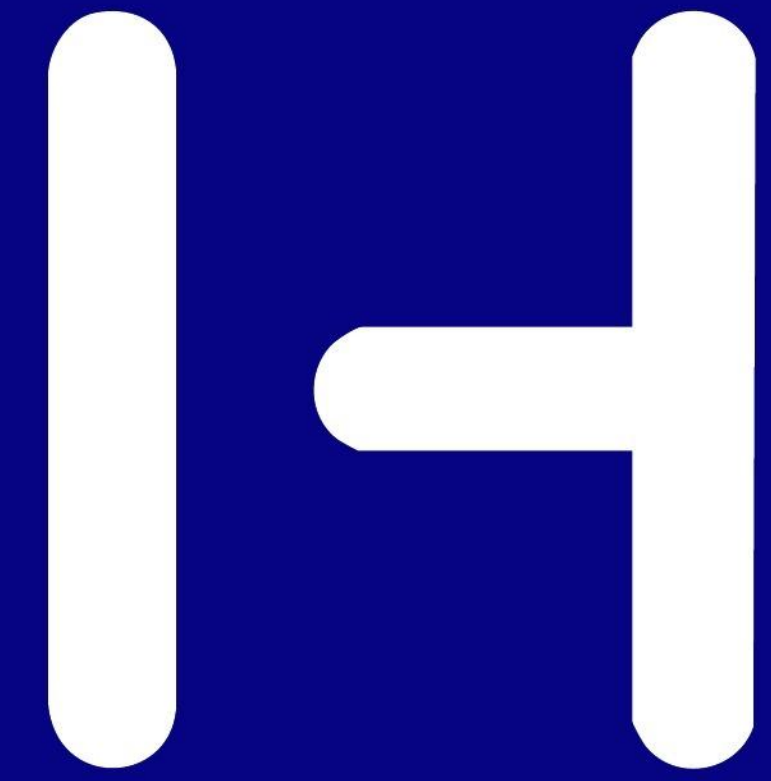
LUCID



## Gravity Project

- Lens + Housing
- Tier 1 Feka





HOUSE OF MOLD

Precision Plastic & Tooling Solutions

**Thank you.**