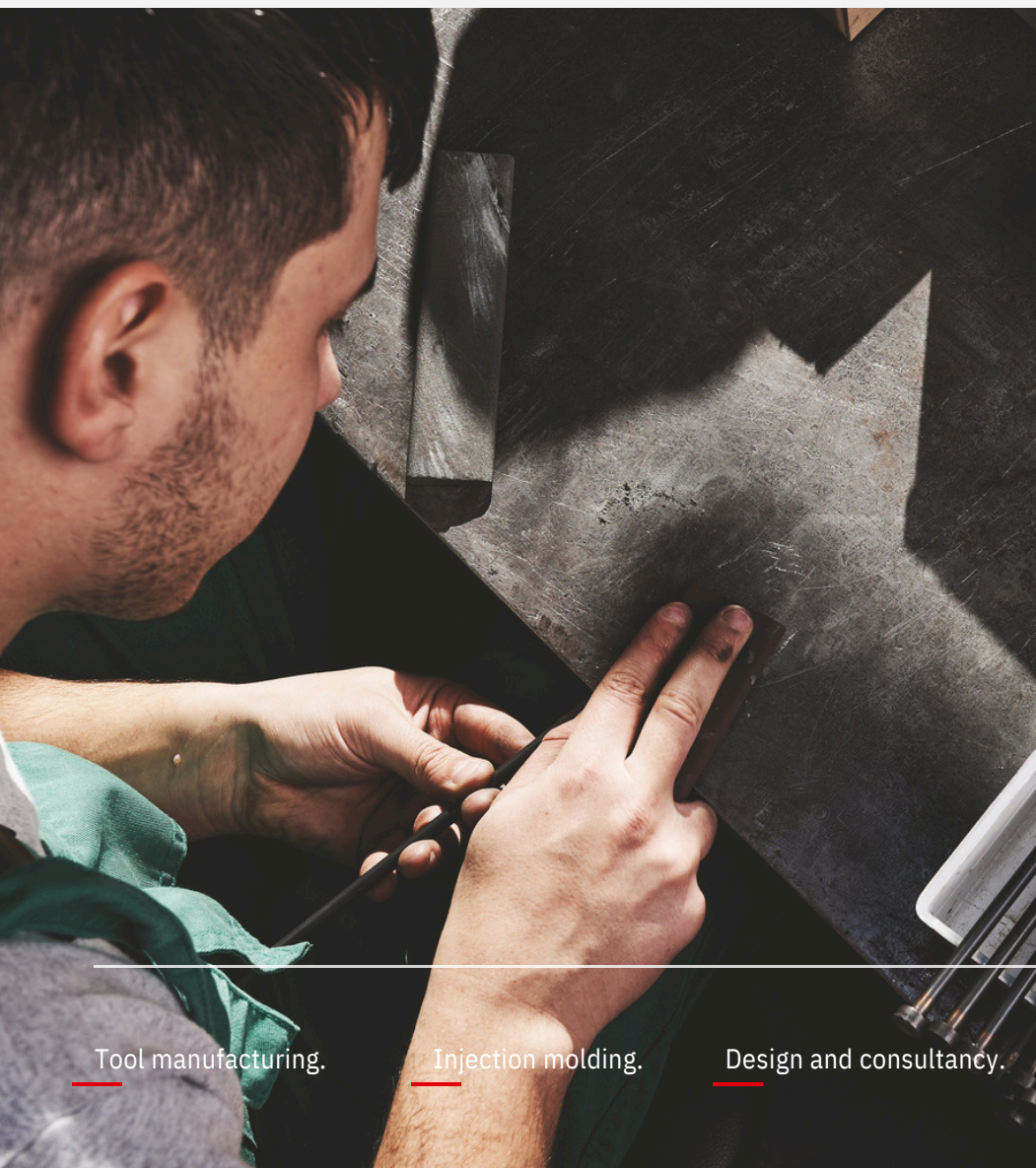


INNOVATIVE TOOL MANUFACTURING AND INJECTION MOLDING

MITTER ÉS TÁRSA KFT



OUR HISTORY

MAJOR MILESTONES

- 1987 ■ Establishment of tool manufacturing shop in Esztergom
- 2001 ■ Acquirement of ISO 9001 certification
- 2002 ■ Building of a 600 m² production hall, start-up of the injection molding business in Tokod-Ebszönybánya
- 2004 ■ Acquirement of ISO TS 16949:2002 certificate
- 2011 ■ Merging of the two businesses in the Tokod premises
- 2013 ■ Production hall expansion to 3000 m²
- 2018 ■ Acquirement of IATF 16949:2016 certificate
- 2021 ■ Building of the new Quality laboratory equipped with a Mitutoyo 3D CNC coordinate measuring machine
- 2022 ■ Implementation of SAP Business One



ABOUT US

Mitter és Társa Kft is a family owned business with around 70 employees and more than 35 years of professional experience.

In order to full-fill the orders of our customers in high quality and in a flexible way we provide innovative solutions, whilst respecting the knowledge, values and decades of tradition of our company and founders within tool manufacturing and injection molding.

Thereinto it is essential to have high professional experience and knowledge, continuous plant and machine park development and brand new technologies used in production.

We are proud of that we earned and established a long-term trust and collaboration of our customers within the automotive and healthcare industries based on our innovative and high quality services.

by

mitter

SATISFACTION TRUST FLEXIBILITY



More than 35 years
of professional
experience



Stability for
more than 35
years



Around 1000 pcs of
manufactured tools

mitter



100% warranty for
all of our products



Innovation, continious
development



High precision for
high quality products



Project management: from part
design development to serial
production

ABOUT US IN NUMBERS

Manufactured products

8.000.000 pcs/year

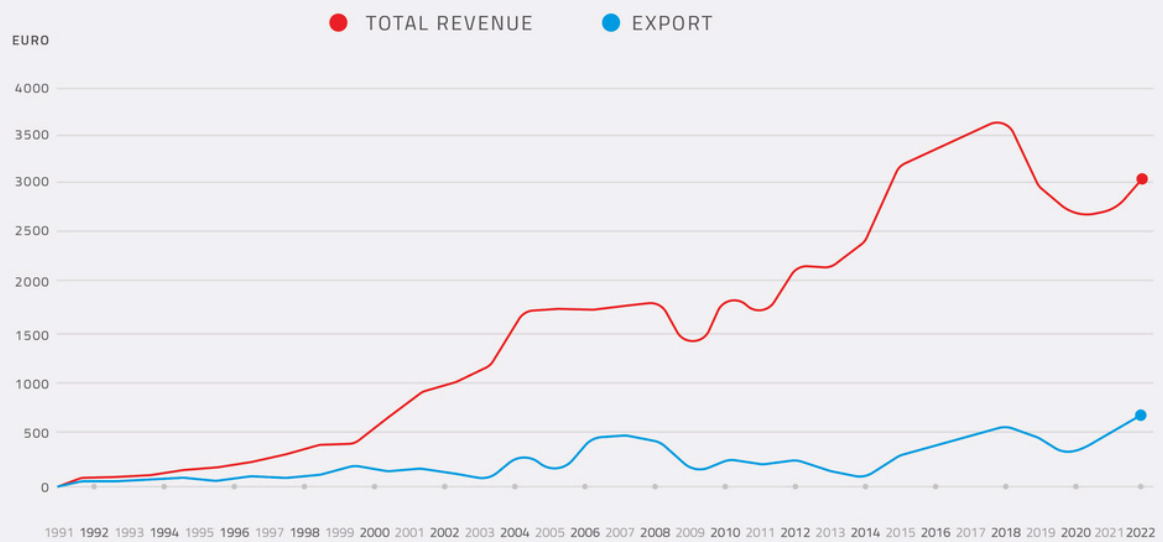
Production hall:

4320 M²

Designed
tools

840 PCS

REVENUE



OUR TEAM



BARBARA

As a family owned company we beleive in long-term collaboration, therefore our aim is to build a financially stabil and sustainable company. We are aware that we have to develop continiously together with our colleauges, we have to care for each other and respect each other in order to be successfull.



ÁDÁM

We beleive in commitment rather than promises. We believe that preservance of traditons and continous development go hand in hand in order to be able to go further and be successfull.

TOTAL HEADCOUNT - 67 PEOPLE

Tool workshop - 25 people
Technology team - 3 people
Injection molding workshop - 17 people
Engineering team - 5 people
Logistics team - 5 people

Quality team - 3 people
Finance team - 4 people
HR - 1 people
Sales - 1 people
CEOs - 3 people

OUR LONG-TERM PARTNERS

KIRCHHOFF
AUTOMOTIVE

MONO
Automotive Design Elements

hanon
SYSTEMS

Valeo

HI-LEX

CG Wire up the future!

FEINTOOL

STIHL

by

mitter



OUR CUSTOMERS



USA

INDIA

SINGAPORE

CHINA

OUR SERVICES

TOOL MANUFACTURING

WE ARE OFFERING SOLUTIONS FOR VARIOUS TOOLING REQUESTS FROM DIFFERENT KIND OF FIELDS OF APPLICATION THANKS TO OUR CONTINUOUS TOOL MANUFACTURING PLANT DEVELOPEMENT.



- Injection molds designed in-house
- Precision molds
- Multi-cavity molds
- Pressure and die-casting molds
- Punching/forming tools for sheet metal
- Prototypes
- ISO 9001 certification

We provide the possibility of tool try-out in order to simplify and shorten the last period of tool manufacturing

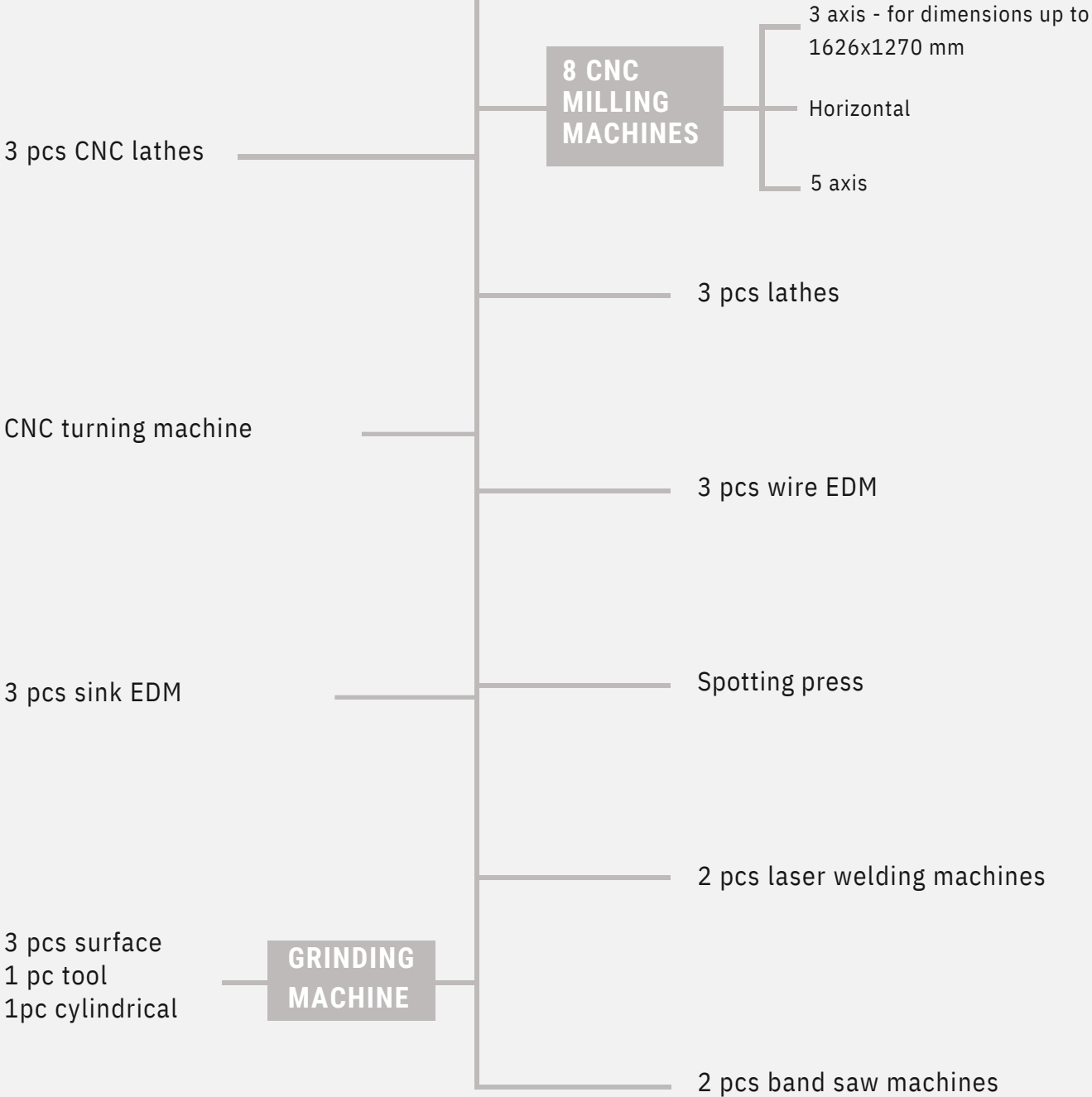
MACHINING

- Aluminium, plastic and steel machining
- Small/long series production
- Traditional mills and lathes
- CNC milling machines and lathes
- Wire and sinker EDM

REPAIR AND MAINTENANCE

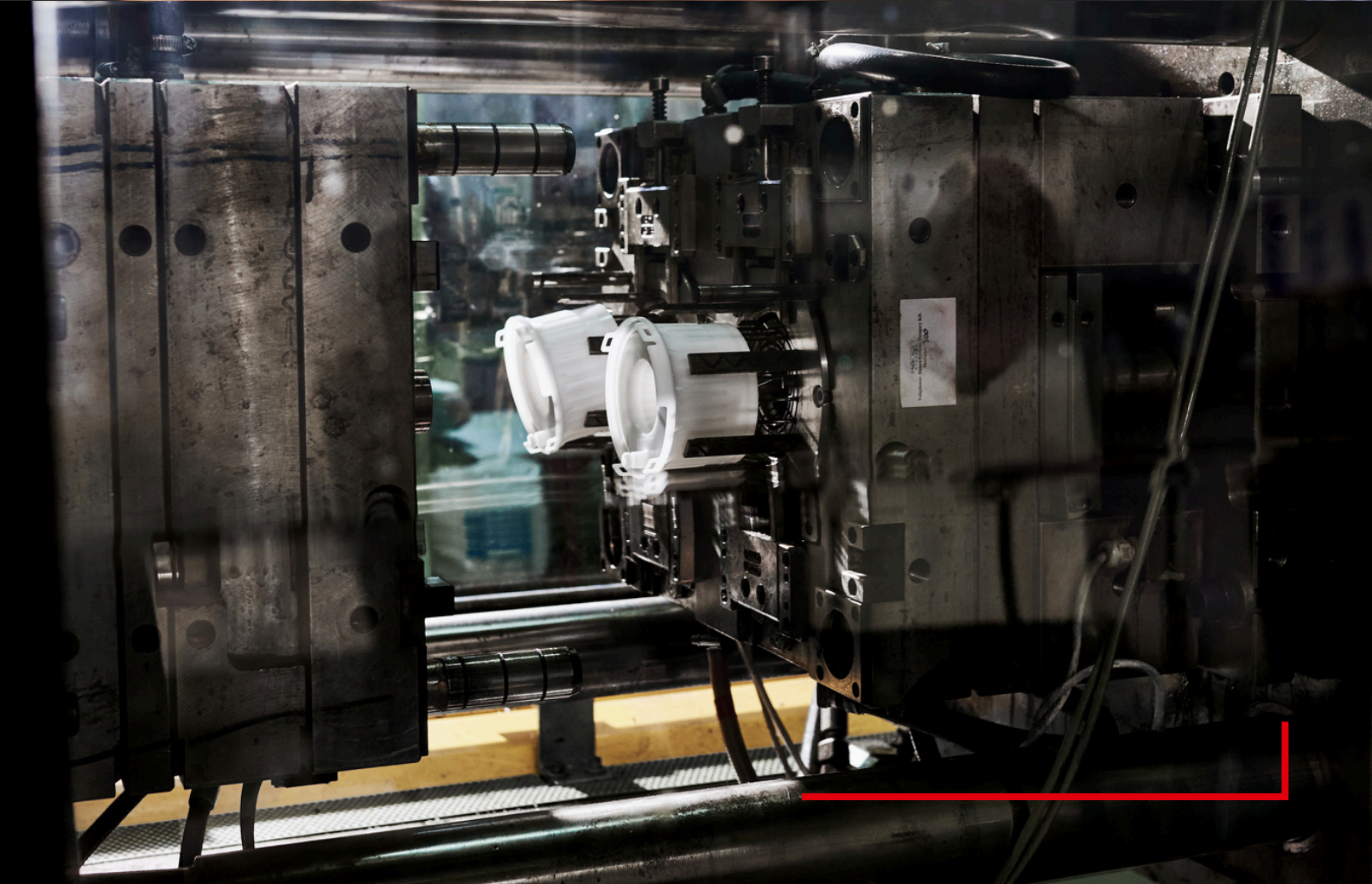
- Manufacturing of mold parts/components from non-heat-treated and hardened tool steel
- Modifications or remodeling
- Laser welding
- Maintenance of tools, manufacturing and replacement of worn-out parts

TOOL MANUFACTURING PLANT



SZIM

MAZAK	NCT	EEN	ROMI
FEHLMANN	HAAS	SPINNER	Tos





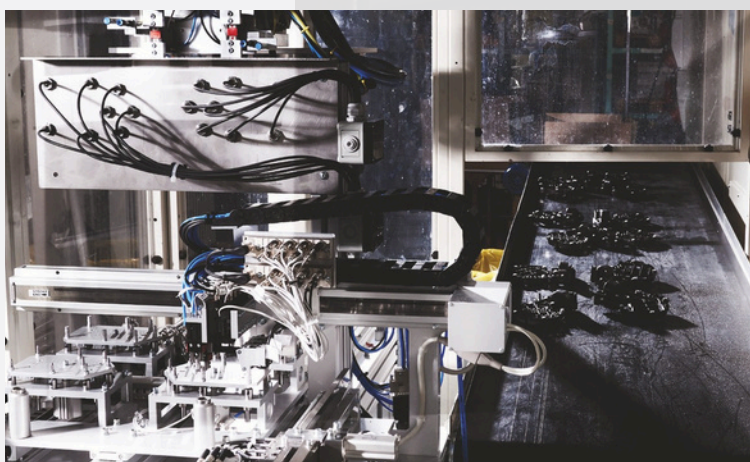
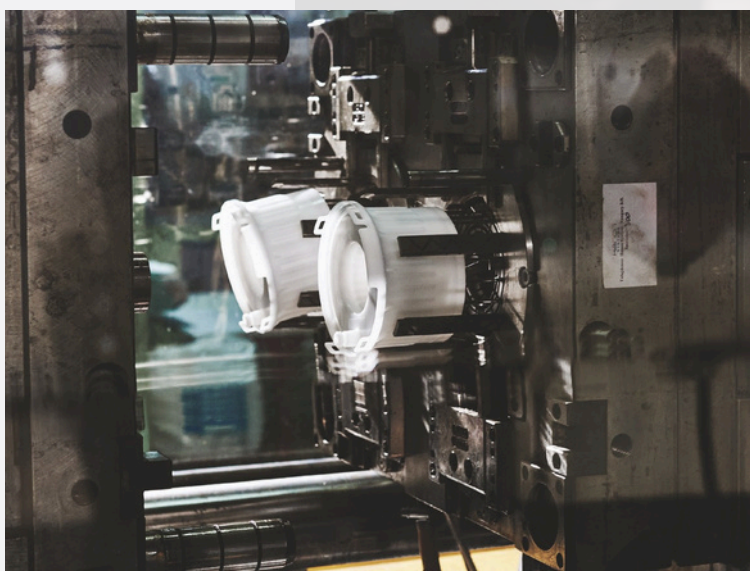
OUR SERVICES

INJECTION MOLDING

OUR PLANT IS CURRENTLY EQUIPPED WITH 17 INJECTION MOLDING MACHINES. THE CONTINUAL PRODUCTION IS GUARANTEED BY OUR WELL-TRAINED MACHINE OPERATORS. THE STANDARD QUALITY REQUIREMENTS ARE SUPPORTED BY OUR QUALITY DEPARTEMENT.



- Processing of both engineering and commodity thermoplastic polymers
- Capabilities between 30-700 t
- In-house tool maintenance
- IATF 16949 certificate
- In-house measuring laboratory



INJECTION MOLDING PLANT

1 PC 30 T

4 PCS 60 T

2 PCS 90 T

2 PCS 100 T

3 PCS 150 T

1 PC 280 T

1 PC 650 T

2 PCS 300 T

1 PC 700 T

Engel

Netstal Neomat

Arburg

Sumitomo DEMAG



PLASTIC RAW MATERIALS

POM

PP

XP

PMMA

ABS

TPU

PC/ABS

PS

PA

PC

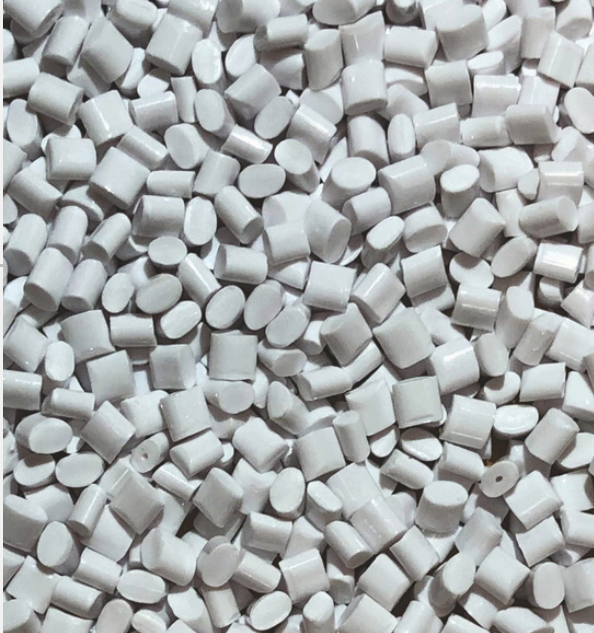
PA66

PPH

PA66-GF30

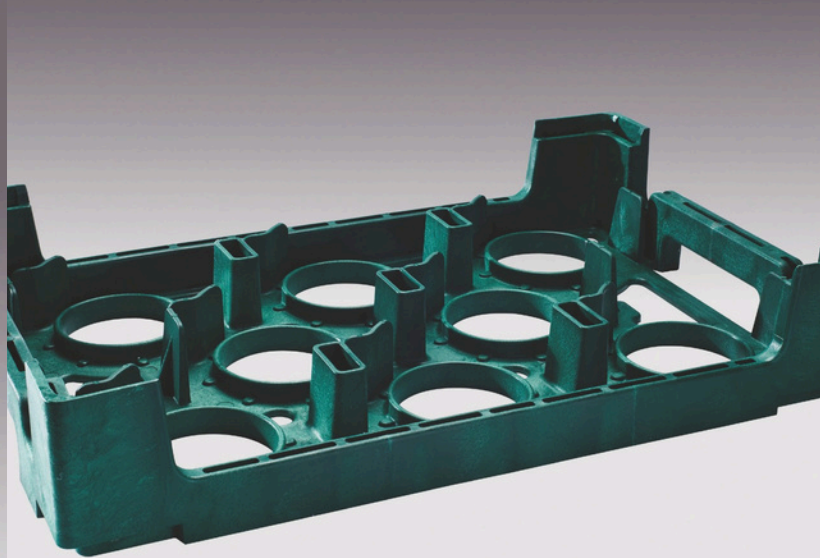
LDPE

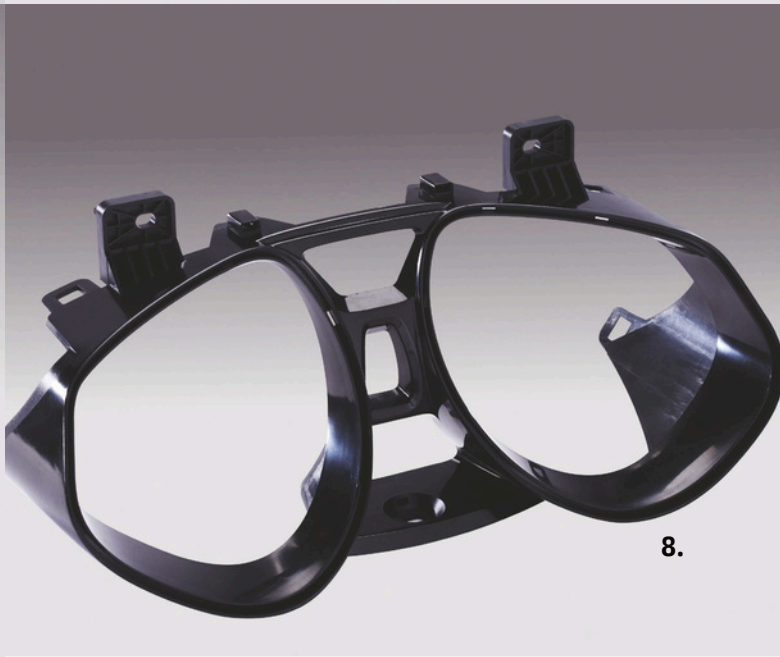
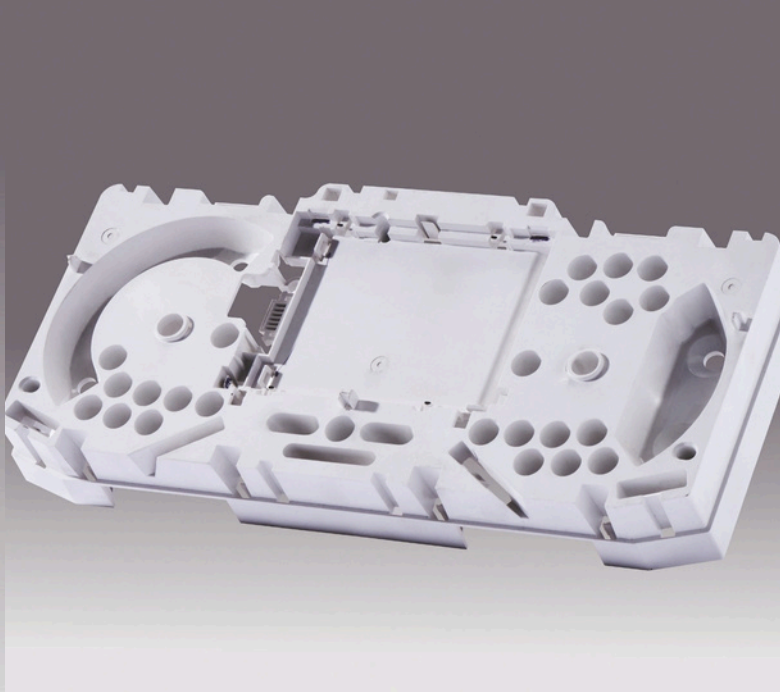
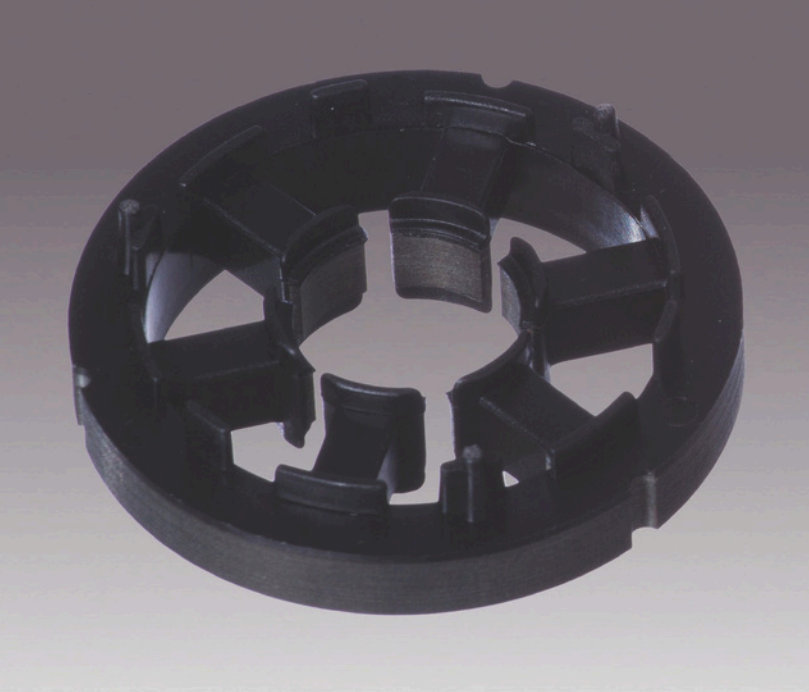
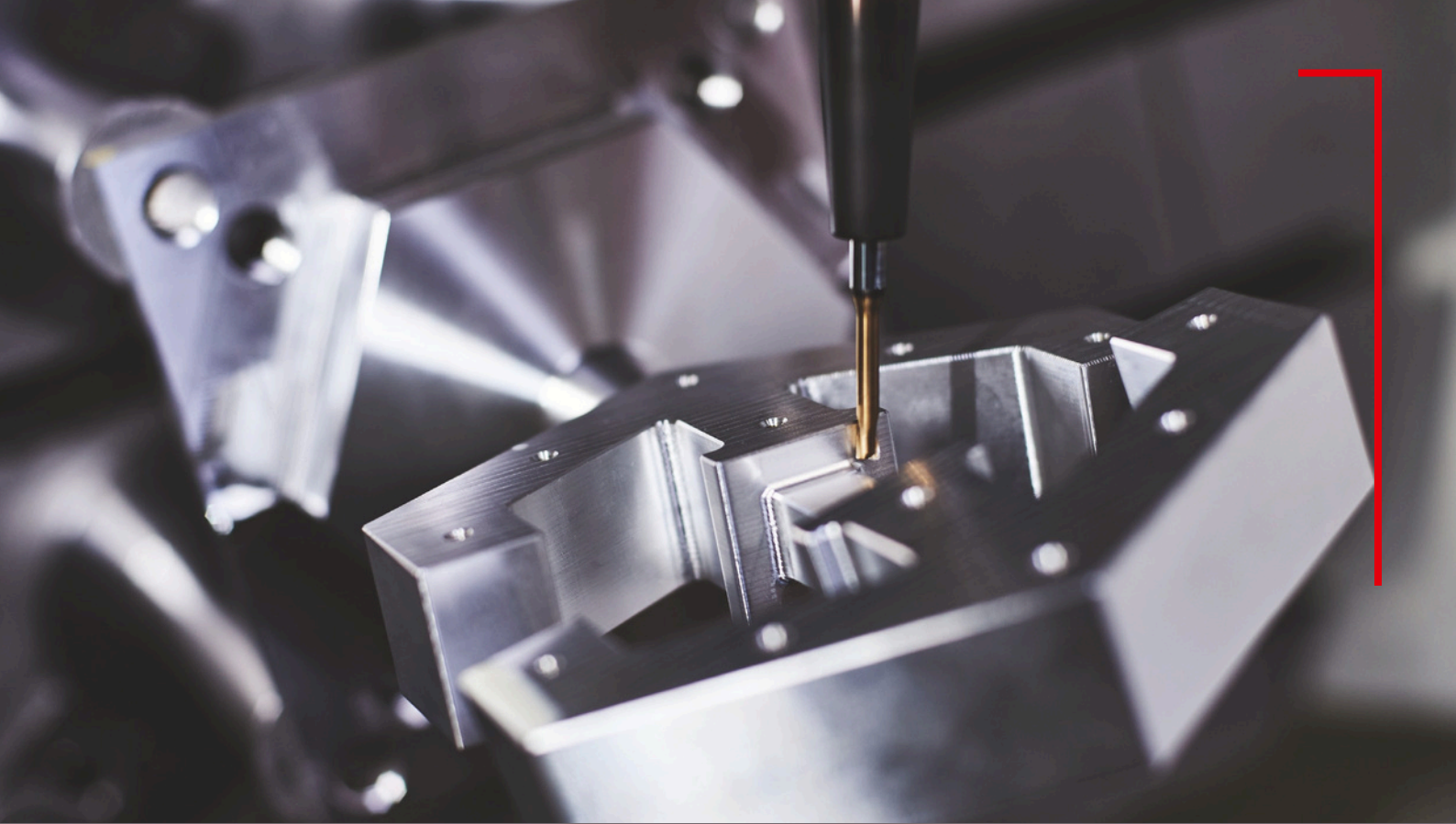
PBT





REFERENCES





TOOL DESIGN, 3D SCANNING, INJECTION MOLDING SIMULATION

TOOL DESIGN AND TECHNOLOGY

- Using Solid Edge design software
- Using NxCAM for CNC technology
- HASCO, Meusburger, Ramsaier or customized parts



3D SCANNING – REVERSE ENGINEERING

- COMET L3D 5M system and InnovMetric Polyworks software
- Reverse Engineering – preparation of 3D documentation for re-making of damaged/worn parts or archiving purposes



INJECTION MOLDING SIMULATION

- Moldex 3D software
- Flow and fill, warp and cooling analysis
- Weld line modeling
- Gate location analysis based on expected filling pattern
- Plastic industry related consultancy



PROJECT MANAGEMENT

We offer integrated services within our Project management in order to be cost-effective and time reductive.

With this solution any complex project and the processes needed to it are controlled by one person from designing the tool to tool manufacturing till injection molding.



QUALITY ASSURANCE

WE MEET OUR CUSTOMERS REQUIREMENTS WITH OUR QUALITY SYSTEM BASED ON IATF-16949 AND ISO 9001 REGULATIONS AND WITH OUR MODERN QUALITY LABRATORY EQUIPPED BY FOLLOWING MACHINES:

- Mitutoyo Crysta-Apex V9168 - 3D CNC coordinate measuring machine (900x1600x800mm)
- Mitutoyo Euro-M 544 - coordinate measuring machine (500x400x400mm)
- Mitutoyo surftest SJ-120 - roughness tester
- Marvision MM 420 - optical measuring instrument (400x200mm)
- Micro-hite height gage (600mm)
- Micro-hite height gage (400mm)
- Comet L3D 5M - 3D scanner
- Schröder hardness tester



WE PROVIDE EXPANSIVE QUALITY CONTROL FOR OUR CUSTOMERS:

- measuring of complex geometries
- measurement reports
- comparison of the 3D model to the manufactured part



COMPANY PHILOSOPHY

Having satisfied partners is the most importance for us. Our main goal is to establish long-term collaboration with our customers that is based on trust.

In order to strenghten our customers' trust and boost our efficiency we build our produtcion on our decades of professional experiences and on LEAN aspect. Furthermore we follow an internationally certified quality assurance system and continiously developing in innovative production technologies, also using new-generation approaches.





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[Mitter and Partner Co. | LinkedIn](#)



WWW.FACEBOOK.COM/MITTERESTARSA

MITTER ÁDÁM

Managing director

mitter.adam@mitter.hu

+36 30/693-1733

WWW.MITTER.HU



Tool manufacturing.

Injection molding.

Design and consultancy.

3D scanning.