

Lets build something togheter

30 years of experience



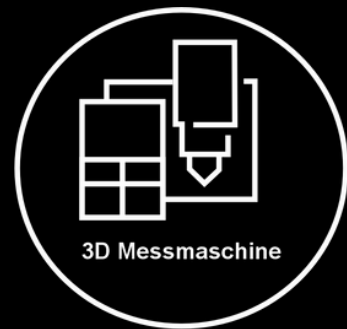
WE ARE A PROFESSIONAL TECHNICAL TEAM
HIGHEST QUALITY STANDARDS
CNC MANUFACTURING

Mechanik Moduls background

Exporting to China Europe USA

●	●	●	●	●
1990 2001	2005 2008	2009 2013	2014 2015	2017 2023
Founding D.Thoma	Trumpf premium supplier	SIEMENS best supplier award	Environmental certification ISO 14001- 2009	Full digitalization of the systems
Building new factory hall	ISO 9001-2008 certification quality Extension of the factory	Supplier of the year nominee R&D supplier Overall best supplier nominee Nominee best overall supplier	New CNC machines / Milling 3D measure machine New milling machine 4/5 axes	New Automatized Milling machine First Automatized CNC Turning machine First 3D printing machines 3 New Robots New building extension

Quality first



**3D ZEISS Measure
machine Capacity
500x500x500 mm**

We make sure that our pieces
pass through exhaustive quality
control



ISO 9001.2015

Highest market standards



ISO 14001.2015

Our company responds to the
most important certification on
the market and is always aware
on the latest technology

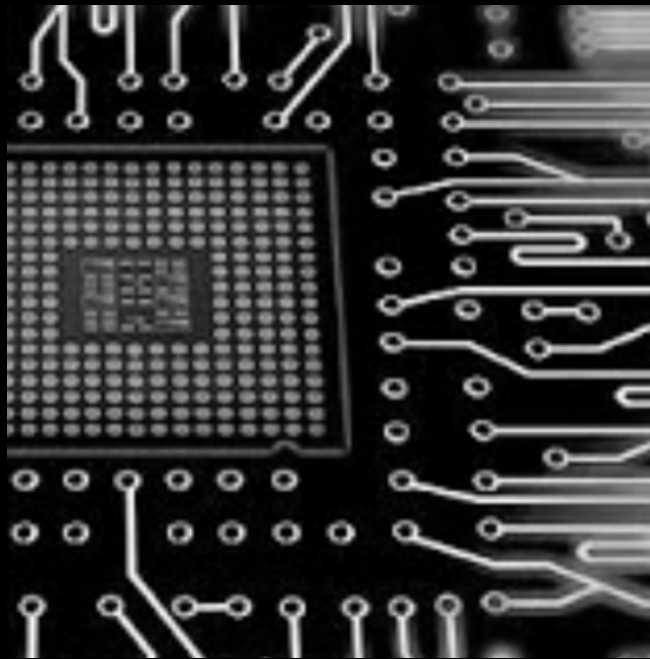


**UMWELTPAKT
Bayern**

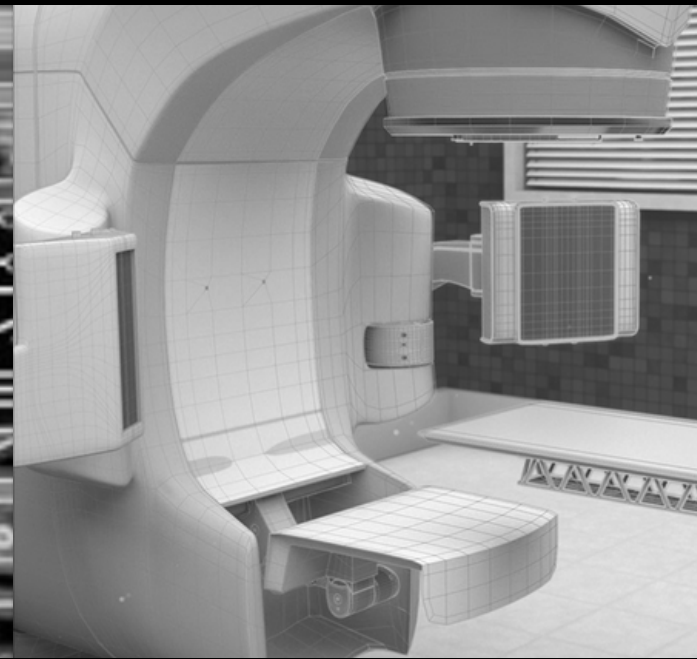
We care about environmental
standards

Industry Areas

Our precise quality and the necessary know-how give us the trust of companies from various areas



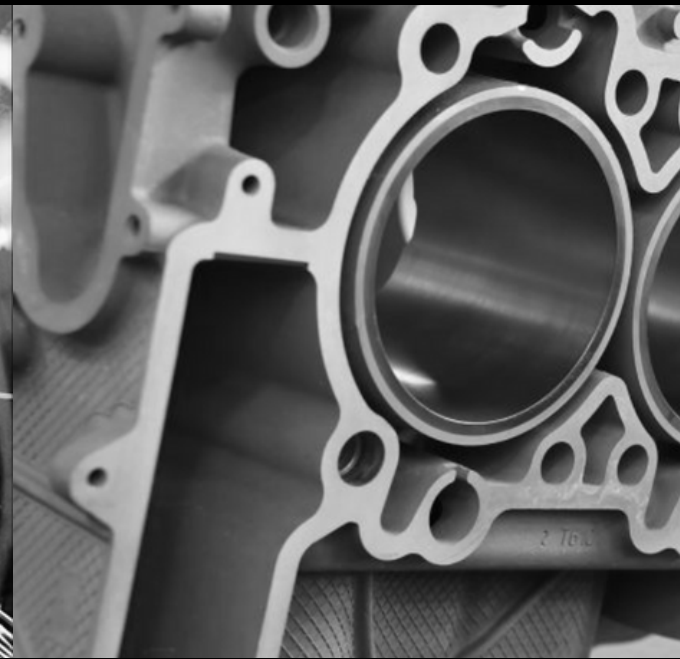
PRINTING
SEMICONDUCTOR
ENGINEERING



MEDICAL
ELECTRICAL
ENGINEERING



MECHANICAL
ENGINEERING



MOTORSPORT
ENGINEERING



AEROSPACE
ENGINEERING

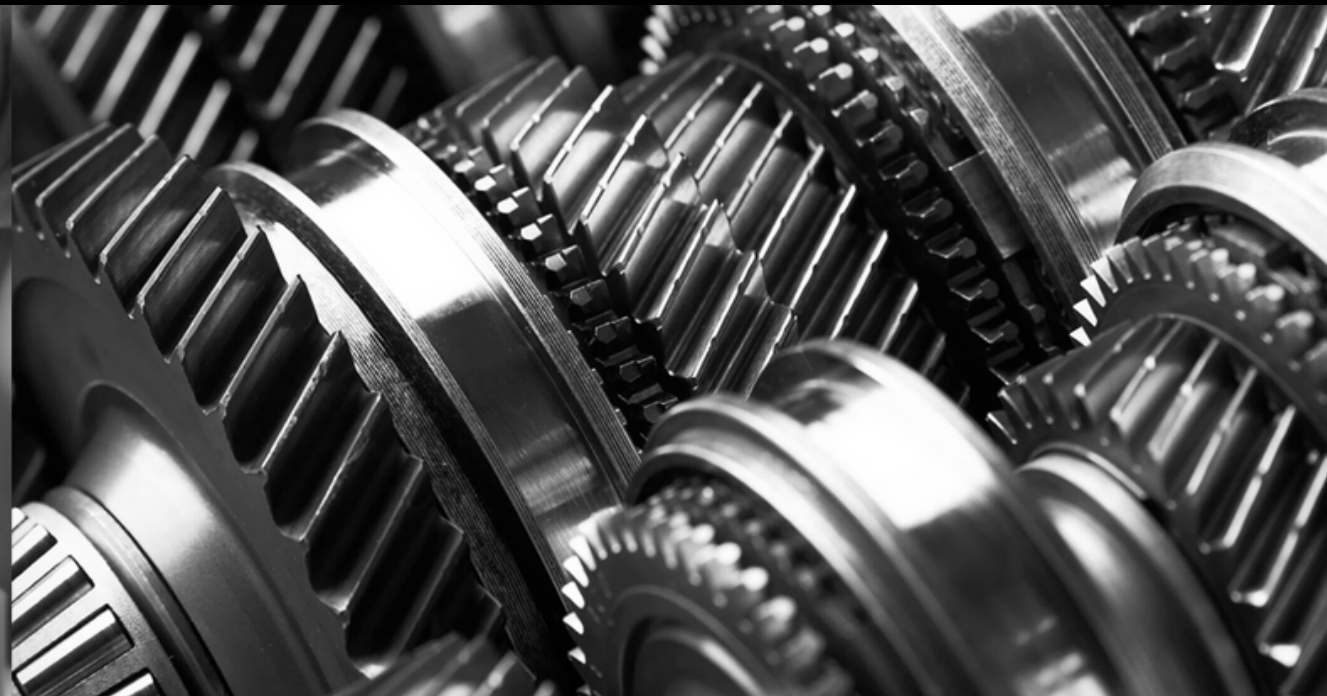
Services

Mechanical Production



Turned/milled parts
3D Print
Adviced assembly

Merchandise



Standard parts
Roller bearing
Semi finished products

Surface Coating



Anodized
Surtec
Zinc
Nickel
Powder coating
Grinding
Sand blasting

Machine Inventory

Milling Machine



DMG MORI DMU 50
incl. Automation ROBO2GO

5-Axis, X-Axis 650, Y-Axis 520, Z-Axis
475mm



DMG MORI Milltap 700

5-Axis X-Axis 700, Y-Axis 420, Z-Axis
380mm

DMG MORI Milltap 700
WH3 incl. Automation

5-Axis, X-Axis 700, Y-Axis 420, Z-Axis
380mm

DMG MORI CMX

5-Axis X-Axis 500, Y-Axis 450, Z-Axis
400

Spinner VC750

X-Axis 760, Y-Axis 460, Z-Axis 460 mm,
adaptive 4/5 Axis up to Ø 150 mm

Spinner VC1200

X-Axis 1200, Y-Axis 700, Z-Axis 600 mm

Maschine Inventar

Milling



Hurco Milling

X-Axis 1000, Y-Axis 500, Z-Axis 450 mm

Hurco Milling

X-Axis 750, Y-Axis 450, Z-Axis 500 mm

Hurco Milling

X-Axis 1200, Y-Axis 450, Z-Axis 400 mm

Hurco Milling

X-Axis 1200, Y-Axis 500, Z-Axis 450 mm

Hurco Milling

X-Axis 750, Y-Axis 450, Z-Axis 500 mm adaptiv 4/5 Axis up to Ø 240 mm

Hurco 5 Axis Milling

X-Axis 600, Y-Axis 600, Z-Axis 500 mm with rotary table Ø 600 mm (Z-Axis 250 mm), 180° swivel head

Constant New Machine Investment

Turning Machine



DMG CTX210

Turning machines max. Turn- Ø 160 mm,
max. Turn length 250mm, Bar capacity 42
mm, driven tools

Spinner TC600

Turning machines with counter spindle,
Turn- Ø - 250mm, max. Turn length -
650mm, Bar capacity 65mm, additional Y-
Axis +50/Z-40

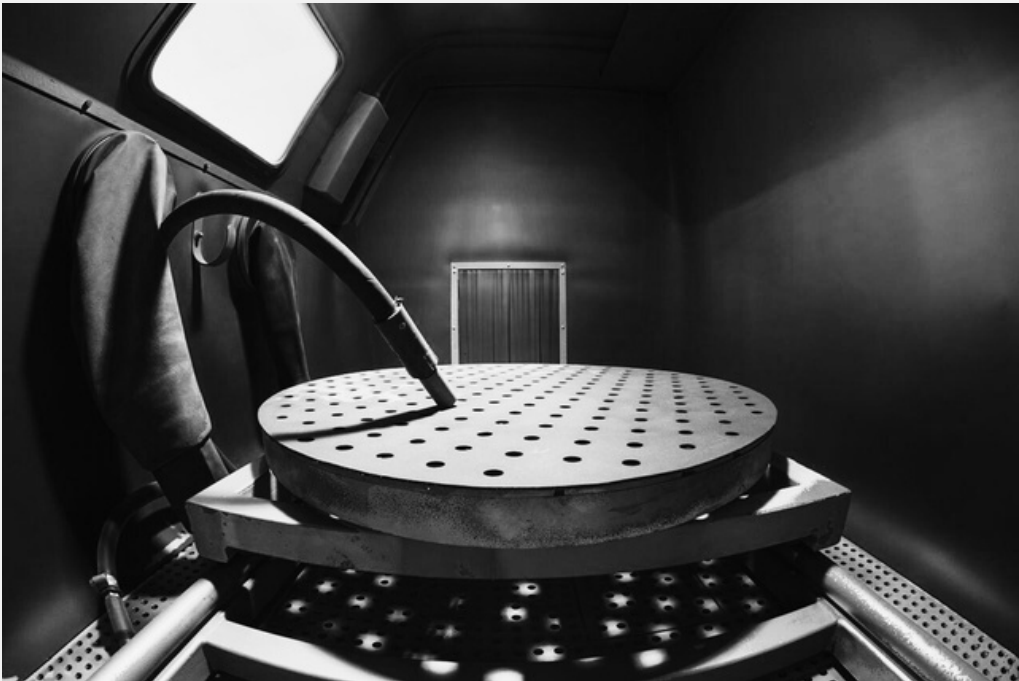
Turning machine conventional

max.Turn- Ø 300 mm,
Turn length 800 mm

DMG MORI Sprint 32|8

CNC-Automatized turning machine, Bar
capacity 32mm

Constant New Machine Investment



Saw

Bandsaw

Ø 350 mm

Other

Slide Grinding machine

3D Printing

Sand blasting machine

800 x 550 x 650 mm

STEEL
STAINLESS STEEL
ALUMINIUM
BRASS
COPPER
PMMA
POM
PC
PVC
PEEK
Others on request

Materials



3D Printing

Truly Rapid SLS 3D Printing

Prototype and Serial production

Build Volume (W × D × H)

16.5 x 16.5 x 30 cm
6.5 x 6.5 x 11.8 in

Layer Thickness (Axis Resolution)

110 microns
0.004 in

Hopper Capacity

14.5 Liters

Material

SLS Powders



Material SLS Powders

Industrial Grade Materials

Unlock high-performance SLS 3D printing with industry-standard materials thanks to fine-tuned settings, compatibility with SLS's most in-demand powders, and an inert gas print option

Zero Waste, High ROI

By optimizing packing density and powder recyclability, we've reached a major milestone: zero waste printing, enabling lower cost per part

Nylon 12 Powder

Tensile strength 50 MPa | Elongation at break 11%

Nylon 11 CF Powder

Tensile strength 69 MPa | Modulus 5300 MPa

Nylon 12 GF Powder

Tensile modulus 2800 MPa | Heat deflection 113 c

Nylon 11 Powder

Tensile strength 49 MPa | Elongation at break 40%

TPU 90A Powder

Tear strength 66 kNm | Elongation at break 310%

3D FDM Printer

Build Volume (W × D × H)

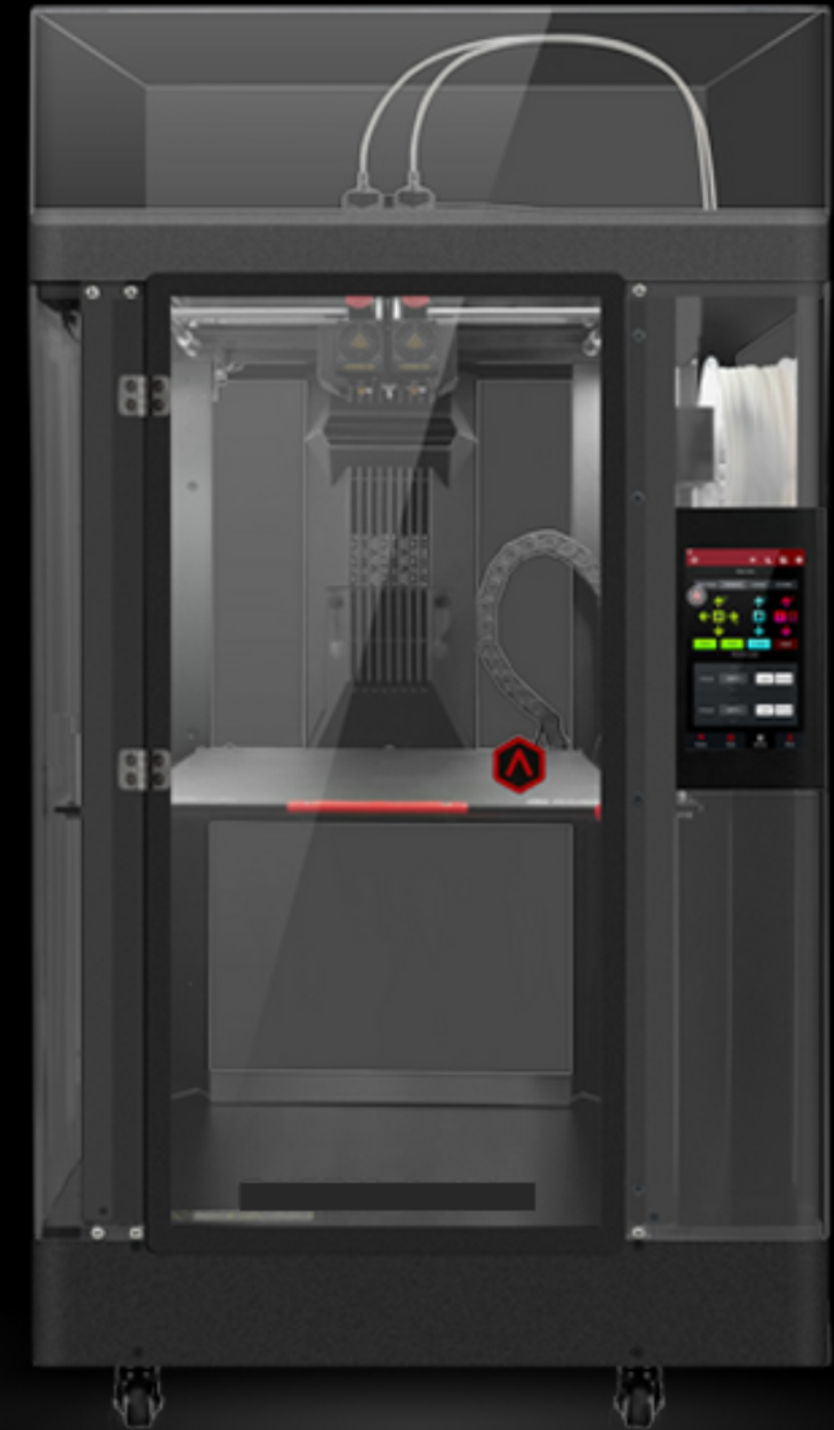
300x300x605mm

Layer Thickness (Axis Resolution)

0.01-0.25 mm

Material

PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/
ASA/ PP/ PVA/ Nylon/
Glass Fiber Infused/ Carbon Fiber Infused/
Metal Fill/ Wood Fill



Thank you for your time

Daniel Thoma
Authorised representative

office@mechanik-moduls.de

+49 8121223990

Forstinning Germany

