

# Mechanical equipment:

01/2021 Präzisionsformenbau

## CAD

- 8 workstations 3D/ 2D CAD system VISI CAD

## CAM

- 1 workstation PEPS V4.2 - 2,5D wire cut processing
- 1 workstation PEPS V7.0 - 3D wire cut processing
- 5 workstations VISI CAD/CAM - 3D milling processing
- 2 workstations VISI CAD/CAM - 3D wire cut processing

## MILLING (max. machine area 1200 x 800 x 800)

- 1 fully automated manufacturing 'Chameleon' composed of:  
Röders high speed milling machine RXP 500 DS with HSC-control RMS6, model 2007  
Röders high speed milling machine RXP 300 with HSC-control RMS6, model 2005  
ZEISS measuring machine VISTA CNC
- 1 Hermle milling center C400, model 2021
- 1 Exeron high speed milling machine HSC 600/5, with AWEX 50/5 automation, model 2019
- 1 Deckel universal milling center DMC 125 U with TNC 640 control, model 2016
- 1 Exeron high speed milling machine HSC 600/5, with AWEX 50/5 automation, model 2014
- 1 IMSA deep-hole-boring-machine MF 1000A ISO 40, model 2012
- 1 Kunzmann universal milling machine WF 400 MC TNC, model 2011
- 1 Mikron high speed milling center HPM 600 HD, model 2009
- 1 Deckel universal milling machine DMU 80P with TNC 530 control, model 2005
- 1 Fehlmann high speed milling machine Picomax 60 M with TNC 426 control, model 1999
- 1 Mikron VCP 600 with TNC 430 HS control and Erowa robot system, model 1999
- 1 Hermle milling center C800V, model 1996

## TURNING

- 1 Yamazaki CNC quick turning machine nexus 200 II MY, model 2009
- 1 GDW-ROMI turning machine T220, model 2007
- 1 MAZAK QT20 CNC quick turning machine, model 1995

## CYLINDRICAL GRINDING

- 1 Kellenberger cylindrical grinding machine 600 U, model 1986
- 1 Kellenberger cylindrical grinding machine KEL-VARIA 250-1000 model 2001, completely rebuilt in 2017

## GRINDING (max. machine area 1000x500)

- 1 Geibel+Hotz FS 840 Z CNC, model 2009
- 1 Geibel+Hotz FS 840 Z CNC, model 2002
- 1 Geibel+Hotz 1050 GTSL, model 2000
- 1 Geibel+Hotz FS 60 compact, model 1996
- 1 Geibel+Hotz FS 635-Z CNC with Siemens 840 control, model 1996

## EDM MACHINES

- 1 fully automated manufacturing 'Chameleon' composed of:  
Zimmer+Kreim genius 700, model 2018  
Zimmer+Kreim genius 700, model 2014  
Zimmer+Kreim genius 602, model 2006  
Zeiss measuring machine VISTA CNC
- 1 Zimmer+Kreim genius 1200/1 with automation, model 2012
- 1 Zimmer+Kreim genius 850 with automation, model 2004
- 1 Zimmer+Kreim genius 600 with automation, model 2003
- 1 AGEMA EDM drilling machine AS 320 CNC, model 2002
- 1 bes EDM drilling machine S43-3, model 2010

## WIRE EROSION

- 1 AGIE CUT 2000 S, model 2018
- 1 AGIE CUT 3000, model 2011
- 1 AGIE CUT Challenge V3, model 2008
- 1 AGIE CUT Challenge 3, model 2000

## LASERMARKING

- 1 Faser-Laser TF430, model 2014

## ASSEMBLY

- 1 spotting press Millutensil BV30E-R G, model 2018

## QUALITY ASSURANCE

- 1 ZEISS measuring machine VISTA-MOT CNC
- 1 SGM 3D CNC optical measuring machine DeMeet/404
- 1 Keyence 3D-digital-measuring VR-3000
- 1 Nikon microscope for measuring 150mm x 50mm
- measuring software Volume Graphics VG Studio Max 2.2 for CT analysis

## INJECTION MOLDING MACHINES

- 1 Ferromatik Milacron 1C injection molding machine ELEKTRA 50, 2017
- 1 Ferromatik Milacron 2C injection molding machine K-Tec 110 2F, 2015
- 1 Ferromatik Milacron 2C injection molding machine K-Tec 275S 2F, 2010
- 1 Ferromatik Milacron 2C injection molding machine K-Tec 85 2F, 2007
- 1 Ferromatik Milacron 3C injection molding machine K-Tec 155S 3F, 2004
- 1 Ferromatik Milacron 2C injection molding machine K-Tec 110S 2F, 2002
- 1 Ferromatik Milacron 1C injection molding machine FM20, 1987

**Certified according DIN EN ISO 9001 : 2015 / This certificate is valid until March 2021 / first-certificate in January 2004**

**Certified according DIN EN ISO 14001 : 2015 / This certificate is valid until March 2021 / first-certificate in March 2015**

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