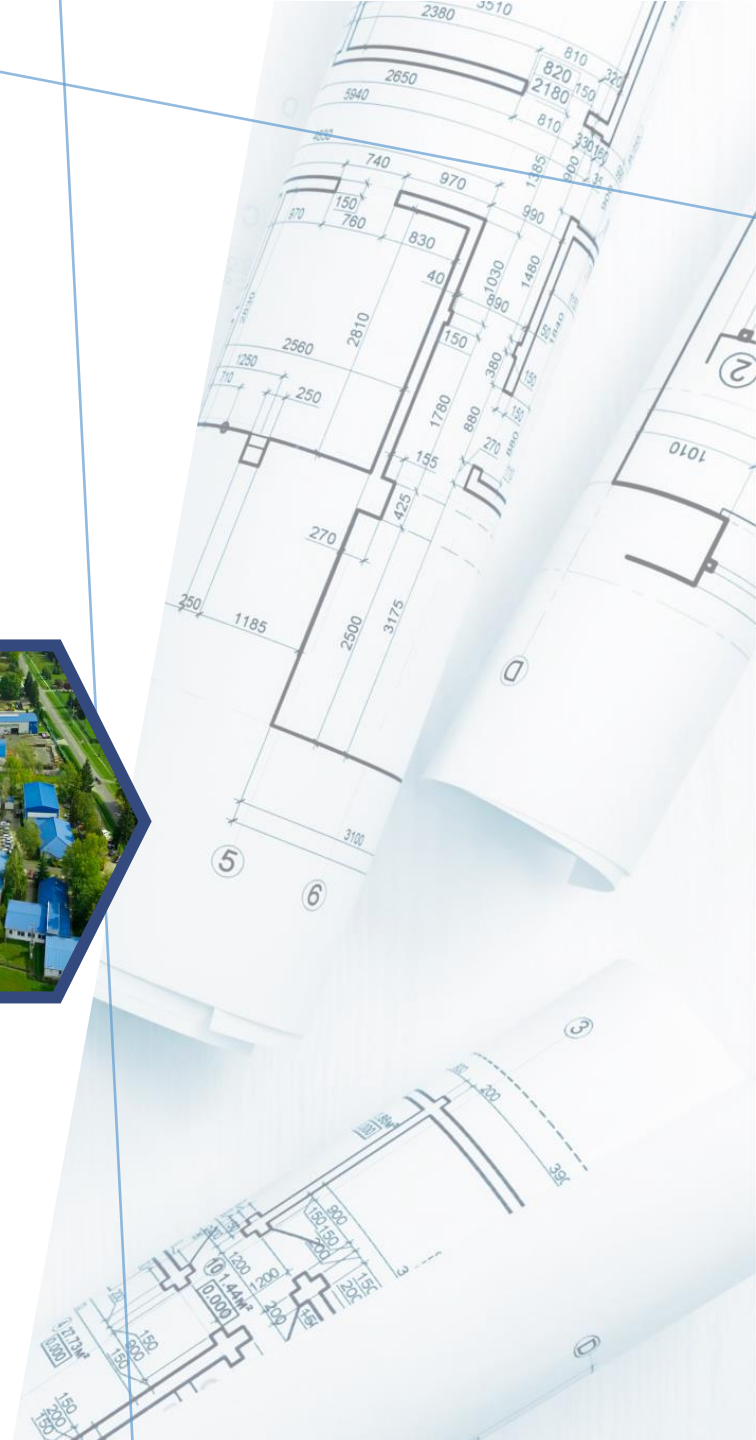




BÜTTNER
PROFI PARTNER IN CUTTING



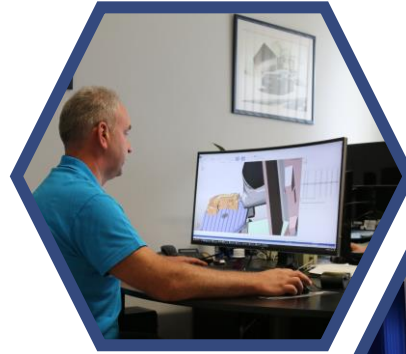
INTRODUCTION

- 30 years of experience
- 8.000 m² of production area
- 250 employees
- Production of tool components, finished tool plates, which are built into plastic die-casting, aluminium high pressure die-casting and sheet metal working tools
- CNC milling, -drilling, -boring, -turning
- Production made by customer-drawings
- 80 modern 3- and 5-axis machining centers
- Self-developed corporate governance system



HISTORY

- 1992: Foundation
- 1995: Own station
- 1998: ISO qualification
CAD-CAM technology
- 2000: New production hall
- 2002: Introduction of own
corporate governance system
- 2005: Dual vocational
training
- 2008: Successful crisis
management



- 2012: 5-axis machining center
- 2015: Obtaining ISO 9001 and
14001 certifications
- 2016: Introduction of
precision machining
- 2017: Büttner Technical
School handover
- 2019: Applying industry 4.0
solutions
- 2021: CVD coating -
experimental development



RAW MATERIAL, CUTTING

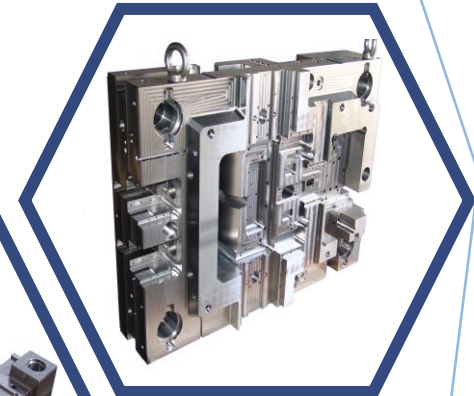
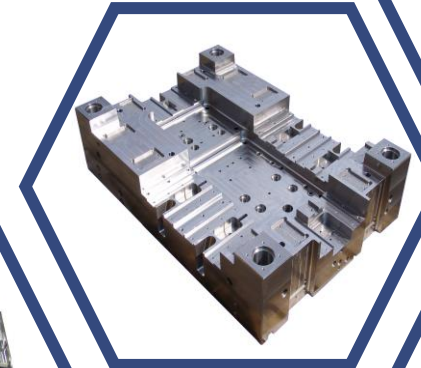
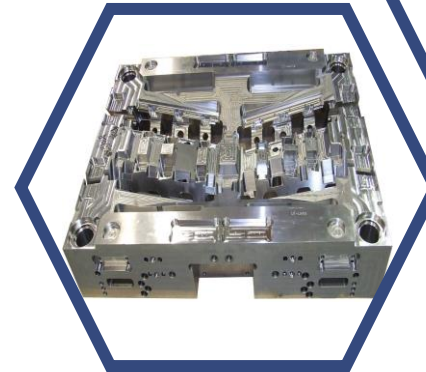


- Certified German or Swedish alloyed and unalloyed tool steel of the highest quality
- Cutting to size, contour cutting using CNC flame cutting machines, waterjet cutting machines and sawing machines
- 3500 tons of steel and aluminium processing per year
- 1.2379, 1.2311, 1.2738, 1.2312, 1.1730, 1.0570, 1.2083, 1.2085, 1.2343 (ESU), 1.2344, 1.2842, 1.2767, 1.7131, 1.2162, 1.2358



PRECISION MACHINING

- **Milling:** 1.500 mm x 3.000 mm
- **CNC milling:** 7.000 mm x 1.500 mm x 3.200 mm; 2.500 mm x 1.500 mm x 600 mm; 4.000 mm x 2.500 mm x 1.100 mm
- **5 axle CNC milling:** 3.500 mm x 2.500 mm x 1.200 mm
- **CNC flame cutting:** 2.000 mm x 6.000 mm
- **CNC waterjet cutting:** 3.000 mm x 6.000 mm
- **Flat grinding:** 1.550 mm x 3.600 mm; 1.600 mm x 3.200 mm
- **Deep hole boring:** d50 mm x 2.000 mm
- **Coordinate boring:** 1.500 x 1.000 mm
- **Turning:** d700 mm x 1.500 mm
- **Round grinding:** d250 mm x 800 mm
- **Max workpiece weight:** 25 tons



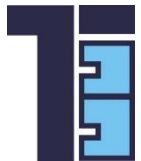
QUALITY

- Machining with an accuracy of $\pm 5 \mu\text{m}$
- GOM, ZEISS measuring machines
 - Measuring range: 1200x2400x1000mm
 - Measuring accuracy: $1,5\mu\text{m} + L/350$



CERTIFICATES

- 3.1 Quality certificates
- 3D Measurement reports
- ISO 9001:2015 and ISO 14001:2015 certificates



MARKETS

- More than 10.000 partners
- Near 10.000 orders pro year
- 14 million EUR turnover pro year
- Markets:
 - Hungary
 - Germany
 - Austria
 - Belgium
 - Netherlands
 - Luxembourg
 - Switzerland
 - Slovenia
 - Romania
 - Italy
 - Czech Republic
 - Canada



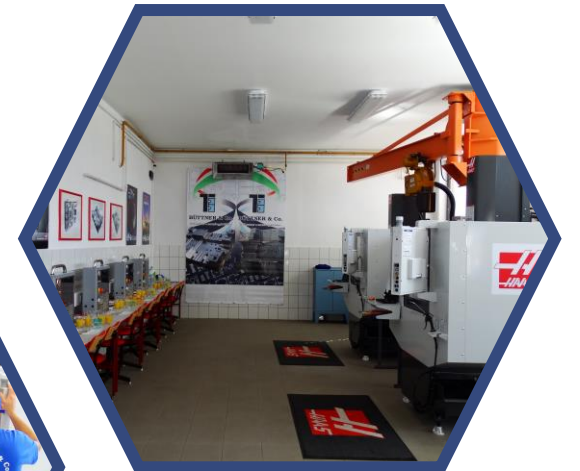
LOGISTICS

- Home delivery with short shipping time
- Own vehicle fleet



DUAL TRAINING

- Practical training since 2005 in dual training form
- Partnerschools: KVTC Ady Endre Technical School and Gymnasium Nagyatád, KVTC Vocational School Nagyatád, University of Pécs
- Modern training center
- Apprenticeship contract, benefits
- Planeable career model



BÜTTNER STANDARDS

- Guiding elements (pillars, bushings)
- Centralizing elements
- Straight pins, screws
- Tool springs, gas springs, disc springs
- Ejector pins and piercing stamps
- Connection elements for coolers
- Date stamps
- Self-lubricating guide elements, bushings and plates



WE ARE IN DEVELOPMENT

AWARDS, RECOGNITIONS

- Numerous state, chamber recognitions
- Industry 4.0 GOLD rating



APPLICATIONS

- More than 4 million EUR in domestic and EU grant applications
 - Machinery investments
 - Real estate investment
 - Development of renewable energy sources
 - Research and development



THANK YOU FOR YOUR ATTENTION!



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