

# HORST PFAU GmbH

## CUTTING & PUNCHING TOOLS

COMPANY PRESENTATION

**106** years  
of success

**30** employees

**1200**m<sup>2</sup>  
of production area

Certified acc. to  
DIN EN ISO 9001

**3** M components  
two-shift production

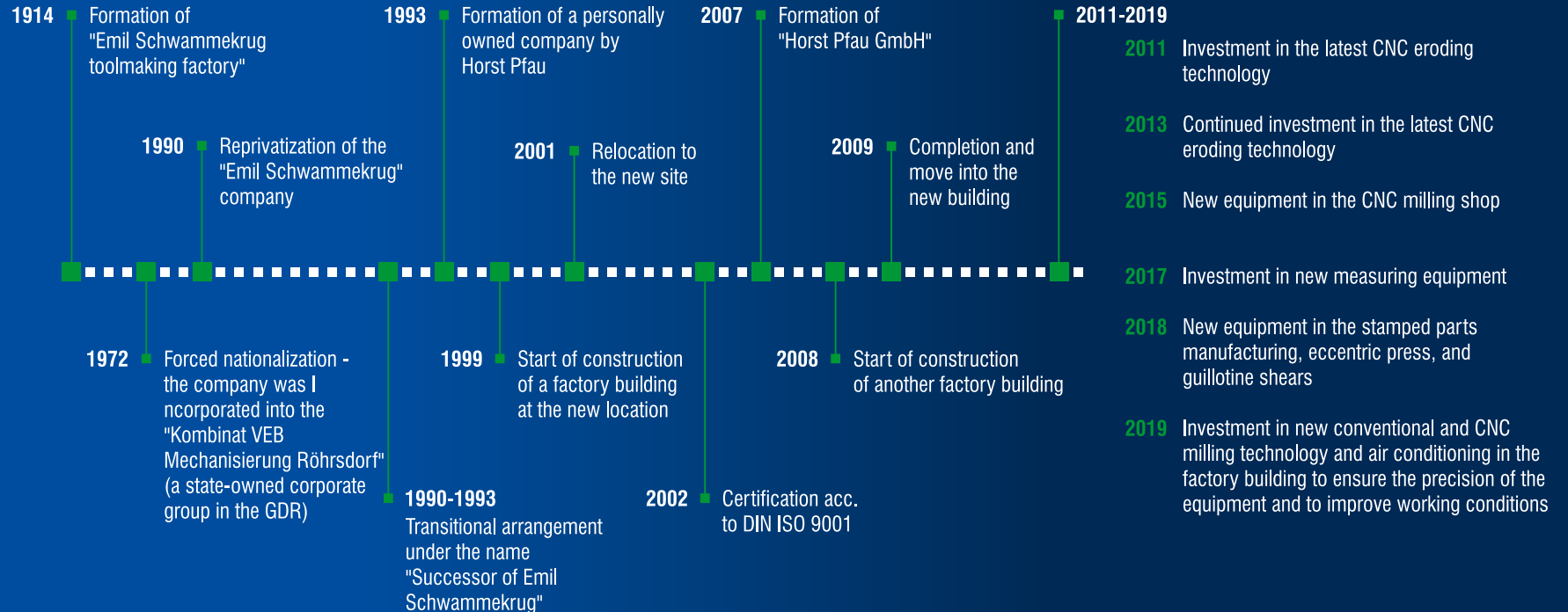
**2,8** million euro  
in revenues

**QUALITY**  
MADE IN GERMANY

SCHNITT & STANZWERKZEUGBAU  
PFAU

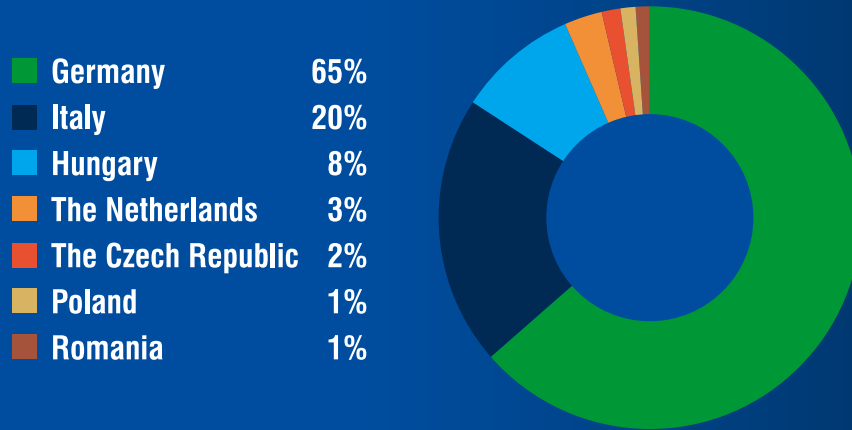
We are a medium-sized supplier of sophisticated high-tech cutting and punching tools for the European market. We specialize in the manufacturing and construction of high-quality special tools. We manufacture simple progressive dies and guided dies, bending tools, all the way to complex progressive tools. We also build fixtures and reference gauges.

# 106 Jahre years of COMPANY HISTORY





## TURNOVER (% in the specific country)



## DESIGN PHASE

01

- + Data processing
- + Operations and development planning
- + Design meeting
- + 3D design
- + 2D detailing
- + Creating parts lists
- + Importing all changes



## MANUFACTURING PHASE

03

- + First piece inspection/  
approval for the production process
- + Series production
- + Monitoring and supervision
- + Packaging



## PRODUCTION PHASE

02

- + Materials procurement
- + Machining process
- + Hardening, assembly
- + Testing, sample production



## LOGISTICS

04

- + Secure packaging for transportation
- + Reliable delivery by forwarding  
agents or company vehicles



COOPERATION & RELIABILITY

EFFICIENCY, EFFECTIVENESS, AND SUCCESS

INNOVATION, EXPERIENCE, AND PROGRESS

CERTIFICATION, QUALITY, AND GROWTH



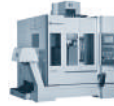
## **HORST PFAU GmbH** CUTTING & PUNCHING TOOLS

Our customers take center stage because their success is our success. Our goal is a successful and customized implementation of your project.

We endeavor to use our resources and processes efficiently. We create high-quality solutions, and we see our results as milestones rather than endpoints.

"We combine experience with innovation". We attach great importance to the "WE", and we encourage the professional development of our qualified employees.

The constant growth of Horst Pfauf GmbH, and the investments in the latest technology, along with 104 years of know-how and our certifications, allow us to optimize processes, improve quality, and deliver solutions for our customers.



| Designation               | Bridgeport XR 1000  | Hermle U 630S                         | Bridgeport XR760  | Mitsubishi FA 10                            | Mitsubishi FA 20                            | Mitsubishi MV 1200R                         |
|---------------------------|---|---------------------------------------|---|---|---|---|
| Processing                | CNC milling   | CNC milling                           | CNC milling   | Eroding                                     | Eroding                                     | Eroding                                     |
| Travel distance X - Y - Z | 1020 - 510 - 510  | 875 - 500 - 500                       | 760 - 610 - 610   | 300 - 400 - 220                             | 300 - 400 - 220                             | 500 - 350 - 300                             |
| Control unit              | Heidenhain  | Heidenhain                            | Heidenhain  |   |   |   |
| Special features          | Manufacture of precision parts for toolmaking; manufacture of column guide frames | 3D machining; threading; hard milling | 24-fold tool changer; manufacture of precision parts for toolmaking | Cutting and bending contours for toolmaking | Cutting and bending contours for toolmaking | Cutting and bending contours for toolmaking |

#### Additional machines:

- + Surface grinders
- + Milling machines

- + Lathes
- + Eccentric presses 40 t - 160t / 125t Conveyor system with feedrate control

- + Hydraulic presses
- + Hydraulic guillotine shears

# QUALITY ASSURANCE ■ QUALITY MANAGEMENT





## Range of services:

- + Production of complete cutting, drawing, and stamping equipment
- + Manufacturing of cutting and punching tools acc. to customer requirements / provided designs up to a size of max. 800 x 1500 mm or in modular design
- + Manufacturing of progressive tools and toolsets
- + Creation and detailing of complete tool designs
- + Production of pilot parts

## Delivery range:

- + Stamping; sheet metal and metal processing; series production of up to 150,000 pieces per year; processing of unalloyed sheets up to 5.0 mm thick and alloyed sheets up to 3.0 mm thick
- + Eroding work
- + 3D design in the Solid Works system; data exchange in the IGES, STEP, Parasolid, Catia V5, DXF, and DWG format
- + Modeling of bending/drawing molds
- + Milling, turning, and grinding, as well as CNC milling and coordinate grinding
- + Creation of 3D milling programs for the 3-axis Heidenhain control TNC410 / TNC530 in the Mastercam system



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