

**SHEET METAL FORMING,
THERMOFORMING AND GAUGES**



COMPANY PROFILE

Founded in 1995, Kaefer Werkzeugbau GmbH is basing its business on the mechanical perfection for complex and high value precision tools. Besides tradition we have increased our competence to modern industrial production engineering, a competent technical sales organization and strategic business management. Our employees who are highly engaged and drive the daily change process are guaranteeing our success. Ongoing innovation is one of our core targets.

OUR CUSTOMERS

Our product portfolio includes development, construction, manufacturing and sales of stamping, progressive and transfer tools, serial handling as well as thermoforming and gauges. Our customers are trusting us since many years. The reasons are not only our precise work and efficient implementation but the trustful basis on which we justify our partnerships.

BRANCHES

- » Automotive industry
- » Packaging industry
- » Electrical industry
- » Renewable energies
- » Furniture industry
- » Appliances and plant constructions

YOUR REQUIREMENTS

- » You have a demand for transfer-, progressive-, insertion- and/or multi-staged tool.
- » The thickness of the metal sheets needed is 0.3 to 5 mm.
- » The requirements of your tooling equipment ranges between 60 – 400 strokes per minute.
- » You need a high repeat accuracy tolerances of +/- 3- 5 μm .

OUR SERVICES

PROGRESSIVE TOOLS

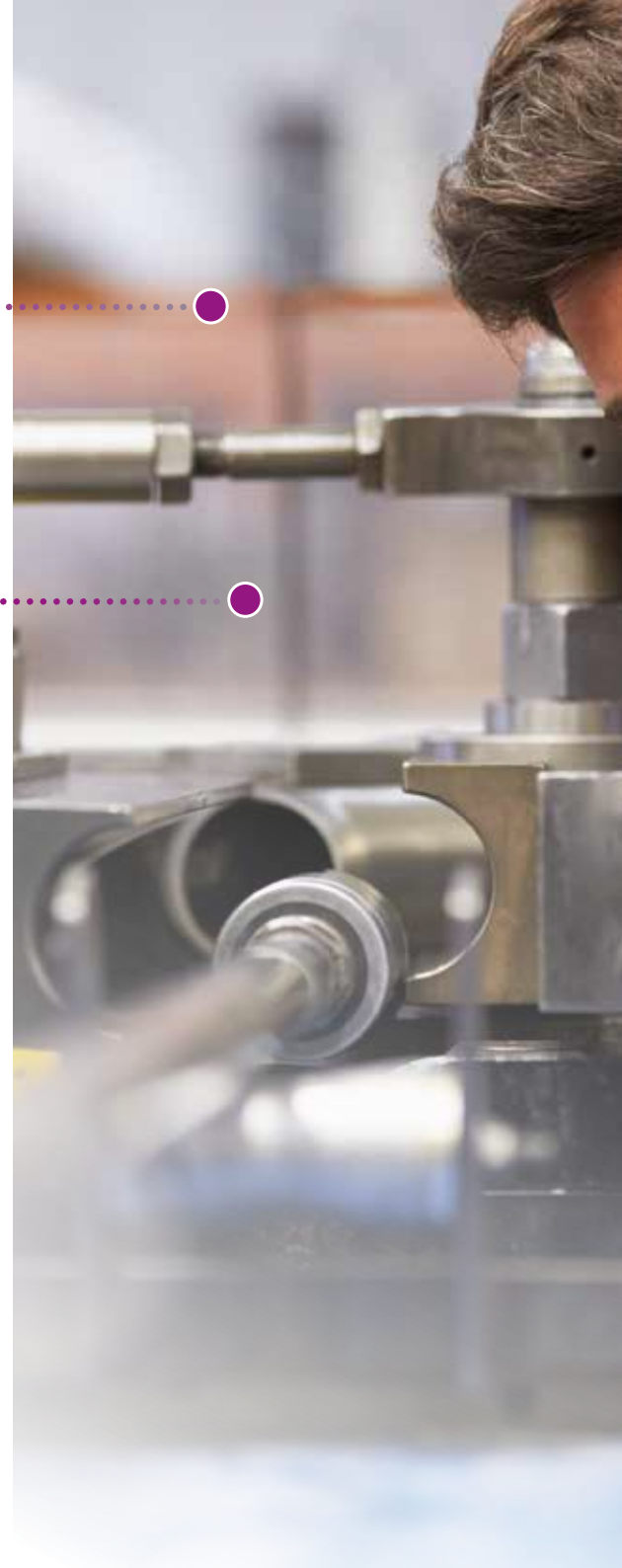
- » High smooth-cut-share (min of 70 - 80%)
- » Integrierter Reinigungsprozess
- » Active temperature regulation in the tool
- » Tool design made for servo presses
- » Punch heads for injection elements, thread molding

TRANSFER TOOLS

- » Tool design made on servo presses with simulation feasibilities to optimize processes
- » Manufacturing up to a tool size of 3 m
- » Complex 3-D forms

- » Stage press tools
- » Insertion tools
- » Prototype tools
- » Thermoforming tools
- » Control & Checking gauges
- » Fixtures
- » Wage labor

**KÄFER TOOL MAKING –
MORE THAN PURE TECHNIC.**





WE OFFER YOU

TECHNICAL COMPETENCE RELATED TO TOOLS

- » Individual solutions, starting from the idea of the product to the development, construction and manufacturing up until mass production
- » Ideal selection of the active component materials in the tool to increase of life
- » Change management
- » Optimization / service / maintenance / repairs

QUALITY

- » Adherence to schedules
- » Total Quality Management (DIN EN ISO 9001:2008)
- » Made in Germany

EMPLOYEES

- » Continued customer service with a dedicated contact – if you like on site at your facility
- » Highly motivated employees with long lasting technical know-how and qualifications

TECHNICAL PROCESS COMPETENCE

- » Active support to reduce cost in different manufacturing processes
- » Exact process planning and utilization of the economic and creative potential
- » Cooperation with scientific organizations

CONFIGURATION

TOOL DESIGN / PROCESS PLANNING

2x VISI 3D CAD Workstation with Blank
TopSolid'Design Pro
VISI PEPS WIRE
Edge-CAM 3D

MILLING

Oerlikon MT 4 V with FIDIA CNC 11
Mazak VTC-2003
2x Mazak VC NEXUS 510 C

travels in mm	X	Y	Z
	3.000	1.400	1.200
	1.120	540	510
	1.050	510	510

COORDINATE GRINDING

Hauser Sip S50 ADCOS CNC-800

900	450	180
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FLAT GRINDING

ELB 1200
ELB Gerh.-Amb. 4/2VAII
Perfekt PFG-3060 AH
Jung HF 50

1.200	600	400
500	375	375
600	320	300
530	250	230

CIRCULAR GRINDING

Karstens external and internal

1.000	max.Drm. 310 mm
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TURNING

Weiler E35/D1

950	max.Drm. 410 mm
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WIRE CUTTING

AGIE CUT 3000 S with max. 30°-Konik
AGIE CHALLENGE 2 e Cut

500	350	256
350	250	256

DIE SINKING

AGIE - Mondo 20 with 60 A Generator

300	250	250
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