Precision in metal
Welcome

schürholz Group
Decades-long we supply our customers of the automotive and non-automotive industry with precision parts, assemblies and components. We are able to realize your specific requirements regarding the complete process chain, **prototypes**, **small-lot** or **large-scale** production.
Core competences

Overview of our core competences:

- Stamp-bending technology
- Stamping technology
- Welding and assembling technology
- Laser and CNC-bending technology
- Tool shop
- Process development and project management
Quality at a glance

Our certifications:
- ISO/TS 16949:2009
- DIN EN ISO 14001
- OHSAS 18001
- DIN EN ISO 3834-2 (Welding)
- EN 1090-2:2011_10

Equipment
- Measuring machines Wenzel LH 65+ XO87 (CM & Quartis)
- Compression-tension machine (course compression test sample) 10kN
- Babtec CAQ-system
References at a glance

Extract of our reference list including OEMs
Your benefits

- Cooperation based on partnership with customers and suppliers
- Development skills and support for parts and processes
- Global presence
- Own tool and prototype production
History

1918
Corporate foundation in Plettenberg

1980
Implementation of stamp-bending and drawing technique

1985
New production plant in Plettenberg-Köbbinghausen

1989
New production plant in Würdinghausen

2003
Certification to ISO/TS 16949

2005
Foundation of Schürholz Polska, Środa Śląska

2008
Implementation of state-of-the-art stamp-bending department

2011
Foundation of Schürholz China, Yangzhou

2012
Certification to ISO/TS 16949

2012
Certification of DIN EN ISO 14001

2013
Built-up of the first servo-press

2013
Introduction of SAP

2003
Implementation of stamp-bending and drawing technique

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Built-up of the first servo-press

2013
Introduction of SAP
Stanztechnik, Plettenberg

- Production area 6,250 m²
- Distribution warehouses 5,000 m²
- Tool shop 900 m²

Turnover in million €

Number of employees

- 2010: 90
- 2011: 110
- 2012: 130
- 2013: 150
- 2014: 170
- 2015: 190
- 2016: 210

- 2010: 25
- 2011: 30
- 2012: 35
- 2013: 40
- 2014: 45
- 2015: 50
- 2016: 55

- 2010: 7,150 m² as of 2017
- 2011: 11,800 m² as of 2017

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Polska, Środa Śląska

- Production area 3,300 m²

Turnover in million €

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Number of employees

- 35
- 45
- 55
- 65
- 75
China, Yangzhou

- Production area 3.500 m²
Stamp-bending technology

Performance specification
- Material width of 20 - 125mm
- Material thickness of 1,0 - 5,5mm
- Chamfering of strip edges
- Chained processes such as automated assembly, welding during process

Our machinery (extract)
- Bihler CC1
- Bihler GRM 80 P
- Bihler CC1 including full automatic assembly line
- Bihler CC1 including integrated welding process
- Bihler MC 120
Stamping technology

Service description
- Width of 30 - 600mm
- Material thickness of 1,0 - 6,0mm
- Table sizes up to 3.200mm x 1.800mm

Our machinery
- Presses of 180t - 500t
- Servo-presses with 400t and 630t
- Misc. hydraulic presses up to 400t
Welding and Joining technologies

Technologies
- MAG/MIG/WIG
- CMT
- Resistance welding, spot, resistance projection, stud welding; Plasmatron welding
- Clinching, force fitting, punch rivetting

Our machinery
- welding robot systems
- Misc. spot and stud welding machines
- Workplaces for manual welding MAG/MIG/CMT/WIG

Injection Center e.g. for punch rivetting

Certifications
- EN 1090-1:2009 + DIN EN ISO 3834-2
Laser and folding

Technical data
- CO2- laser cutting up to 5kW
- Solid state laser up to 5kW
- Punch-nibbling
- Hydraulic deformation up to 200t
- Folding up to 170t

Our machinery (extract)
- Trumpf CO2 laser system
- Trumpf solid state laser
- Trumpf punch-nibbling automatic machine
- Trumpf bending machines
Tool shop

- Efficient and flexible tool shop with about 29 employees
- Cutting, drawing, stamping and progressive die tools
- Stamp-bending tools for our Bihler-machines
- Prototype-construction, pre-series production
- 2D-/3D CAD- und NC- programming systems
- Gauge construction
- Very effective network with external partners
- State-of-the-art processing machines
  - wire eroding
  - 3-axis CNC-milling machines
  - grinding machines
  - Hydraulic try-out presses up to 400t
Process development and project management

Technical data

- CAD supported process development and method planning
- System supported process calculation
- Project management / APQP module of Babtec
- Advanced quality planning / FMEA
Materials

- Cold forming steels
- Hot-rolled steel
- Microalloyed steels
- Stainless steel
- Aluminium
- Special materials (copper, brass, …)
Further services

**In-house**
- Assembly process
- Continuous improvement according to logistic requirements
- Standard- and special packaging

**External**
- Hybrid components as e.g. overmoulded steel parts
- Vibratory grinding, cleaning and fine cleaning
- Heat treatment
- Surface coating according to customer requirements:
  - KTL coating (E-coat)
  - Zinc-nickel and zinc phosphating
  - Anodizing
  - Powder coating
  - Wet coating
In the field of the automotive sector we manufacture precise parts and components for filler cap systems, carriage, under-carriage, electronic/electrical systems and for the seat technology. In addition we deliver the non-automotive sector with case and container components.
- Components for electric and electronics
- Tank system
- Seat technology
- Car body
- Chassis
Fuel tank closing systems

- Revolution by development and large-scale production of the first plastic tanks
- High weight advantage compared to steel tanks
- The fuel tank closing system contains two stamping parts (one encapsulated ring and one locking ring in various designs)
- Highest precision and process reliability due to high safety requirements
- The Schürholz Group produces more than 15 mio. sets annually
Fuel tank closing systems
Further product examples
Body parts

- Stamping- and stamp-bending parts for different areas of the body
- Single parts or assemblies
- Advantage due to less material usage of stamp-bending technology
- Assemblies of guide carriages for guiding of sliding doors in cars such as VW Caddy, T5
Body parts
Further product examples
Chassis

- Production of body bushings in various types with and without special application such as radius, chamfers or cutting
- Shape (geometry) according to customer needs – no restriction through pipe standards
- Outer / inner diameter as well as length can be freely selected
- Highest precision through special procedures on stamp-bending machines
- Welding of cages during process
Chassis
Further product examples
Components for electric and electronics

- Components for more security and comfort in vehicles
- Roll-bent engine housings for radiator motors, motors for seat adjusters, modules of window lifter, tailgates closing systems, monitor adjusting motors etc., partly supplemented by assembled lid or other items (e.g. magnets or retainer for fixing)
- Components for electric engines (e.g. bearing cap, bearing bracket)
Components for electric and electronics
Further product examples
Seat technique

- Single parts and assemblies for front and rear seat structure
- Seat lower frames for sports and commercial vehicles
- Airbag container for seat side airbag
- Headrest tubes as single part or component for integration into the seat structure
- Stamping parts and sub-assemblies for seat structures such as side parts, mounting backrest lock, seat tracks
Seat technique
Further product examples
Seat technique
Further product examples
What can we do for you?

Group

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Case technique / electronic

- Case as a control cabinet with a special design which is based on the customer’s requests (e.g. size, color etc.)
- Case as protection for electronic components
Case technique / electronic
Further product examples
Container technique

- Container for the industry, the public sector or the services sector
- Waste container; paper distributor etc.
Container technique
Further product examples
What can we do for you?

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