Rheinisches Press- und Ziehwerk GmbH

Cologne site | Germany

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Within the Kohl Group AG, the Cologne site is the specialist for deep-drawn- and forming technology for large parts and medium required quantities.

We manufacture complex forming parts in medium- and small series. These are produced on hydraulic presses with a force of 1,000 to 16,000 kN and on modern metal processing machines. Operating in-house equipment- and tool construction, which manufactures tools up to a maximum weight of 15 tons, is a precondition for customer-oriented problem solving. In addition to drawn parts, mechanically processed components and assemblies as well as ready-to-install welded assemblies are becoming more important. Here again, state-of-the-art machine technology from the laser centre with 7 laser systems, welding robots with up to 6 axes as well as milling- and turning centres provide ideal conditions for offering optimum solutions.

Absolute focus on the customer and distinct quality awareness are a precondition for the flexibility, which our customers have come to expect of us. Our international customers have high demands. Just-in-time, simultaneous engineering, forming simulation, value analysis, certification/auditing are issues that dominate our everyday work life. With the Kohl & Sohn Improvement Process (K-Lean) we consistently implement the principles of lean production. The constant striving for improvement is an essential part of our corporate culture. Adapted tool technology and perfectly coordinated logistics services make even small serial production possible. Management of over 3,000 tools proves that customers are

Data & facts

Founding year	1897
Employees	ca. 245
Revenue	ca. € 41 m.

Managing directors
Dipl.-Kfm. Hubertus Müller

Industrial sales manager
Ing. (grad.) Werner Zubrod
Dipl.-Ing. Michael Rohe

Quality assurance
Certified acc. to DIN EN ISO 9001:2008
Certified acc. to DIN EN ISO 3834-2:2006

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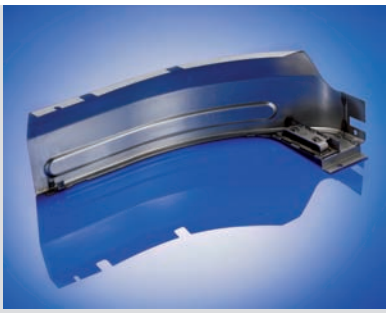
One-piece toilet bowl | 1147 x 600 x 199 mm
stainless steel 1.4404 t=1.25 mm



Pre-finished side panel
1128 x 455 x 315 mm | DC 04 t=1.5 mm

Industrial truck canopy
981 x 923 x 266 mm | DD 14 t=5.0 mm

Oil pan off-highway vehicles
932 x 345 x 250 mm | DC06 t=2.0 mm

Polished functional part
688 x 655 x 55 mm | t=1.5 mm

Seat pan for garden tractor
1112 x 831 x 399 mm | t=1.5 mm

willing to put their trust in us. Within the context of outsourcing projects, complete production processes have been taken over with great success for many years. Our project teams ensure a seamless transition.

Products

Materials	All metals, especially steel and stainless steel
Dimensions	Round plates up to 2000 mm, forming cuts with a corner size of 3000 x 1500 mm
Range	Deep-drawn parts, welded assemblies, complex installation assemblies
Industries	Construction (off-highway applications), gardening implements, electrical engineering, machine-/plant construction, heating-/sanitary technology, measuring-/control technology, medical equipment, commercial kitchen-/domestic appliances
Special features	Vehicle body components for vehicle construction, ready-to-install assemblies from stainless steel

Range of services

Deep-drawn technology
- Hydraulic presses with a force of 1,000 – 16,000 kN
- Max. press table size 3500 x 2000 mm
- Drawn depths up to 700 mm
- Active and passive drawing procedures
- Forming simulation to secure the manufacturing processes

Joining technology
- TIG welding
- MIG- / MAG welding with robot
- Spot welding
- Laser welding procedure
- Manual welding

Cutting
- Laser technology with 2D- and 3D cutting procedure
- Laser cutting to conserve elaborate and expensive punching tools when producing smaller piece quantities

Installation & assemblies
- Comprehensive installation services
- Manufacturing of ready-to-install assemblies
- Documented, customer-specific building component tests
- Customer-specific packaging
- Delivery to the assembly line

Surface engineering
- Stainless steel processing (grinding, polishing, radiating, pickling, washing, slide grinding)
- Coating technology (wet painting, powder coating, catophoretic painting – KTL)
- Annealing technology

Toolmaking
- Manufacturing of tools up to sizes of 2800 x 1600 mm
- Manufacturing of tools up to weights of more than 15 tons
- Construction and simulation
- New construction, try-out, maintenance

Welding robot

Laser cutting

Toolmaking