TUBE BENDING.

SWISS BENDING SOLUTIONS

MEWAG
by Daetwyler Industries
Since 1995, systems for parts requiring all levels of bending technology – ranging from simple operations to far more challenging ones – have been developed, built and installed around the world. At the heart of all activities stand the users or customers, together with their needs and wishes.

**SWISS BENDING SOLUTION**, illustrated by an edelweiss flower, represents the following outstanding characteristics:

- **SWISSNESS**
  for reliable, durable and robust products

- **UNIQUE, RELIABLE SOLUTIONS**
  offering the user high added value

- **THREE PRODUCT LINES: RUBY, AZUR, SAPHIRE**
  for parts ranging from simple to highly challenging

- **HIGH-PERFORMANCE, WEAR-RESISTANT BENDING TOOLS**

- **APPLICATION CENTRE**
  for production tests and product development

- **PROACTIVE AFTER-SALES**
  to ensure a high level of equipment availability
To enable us to understand the requirements of the market and develop profitable solutions accordingly, the fields of tool manufacture, bending centre and after-sales are at the heart of our activities.

«RUBY» PRODUCT LINE
Bending solutions for parts with a diameter ranging from 10 to 120 millimetres. The standardised, semi-automatic products are suitable for individual parts and small batches.

«AZUR» PRODUCT LINE
Bending solutions for parts with a diameter ranging from 10 to 120 millimetres. The configurable, fully-automatic products are suitable for small to medium-sized runs and are characterised by shorter set-up times and increased operator comfort.

«SAPHIRE» PRODUCT LINE
Bending solutions for technical highly-challenging parts with a diameter ranging from 10 to 225 millimetres. The fully-automatic systems tailored to the customer’s needs are suitable for large runs with high requirements in terms of productivity and process reliability. Integration in automated manufacturing cells for further processing (cutting, punching, calibration, end forming and measurement) and part handling (tube feeding systems, handling systems, robots) maximises the application possibilities.
MEWAG provides unique solutions, even for highly-technical bending requirements.

Our innovativeness is driven by our customers’ needs and our passion for bending technology. Over the decades, we have incorporated a wide range of unique and patented functions into the products.
Innovative, solid and precise mechanical engineering, ingenious bending tools and multi-functional software – these are all key elements in guaranteeing the reliable feasibility of challenging tube and profile geometries.

Length, angle and radius compensation

Right-hand/left-hand bending

Flatness and torsion compensation

Large diameter, small wall thickness
MEWAG provides unique solutions for demanding materials. In the case of challenging material, standardised solutions are available.

For bend components using cost-intensive materials, particular attention is paid to providing a very high level of process reliability and ensuring that the surface of the component remains undamaged.
PROFITABLE SOLUTIONS
FOR NUMEROUS SECTORS AND APPLICATIONS

- Automotive industry
- Lorries and buses
- Aviation and aerospace industry
- General mechanical engineering
- Refrigeration | heat technology
- Plant engineering
- Pharmaceuticals and chemistry
- Furniture
- Agricultural machinery
- Shipbuilding
In the case of challenging bend components, the bending process, bending program and bending tools are tested and optimised in the in-house application centre until it is guaranteed that the bend component can be produced reliably. Pre-series and zero-series production runs are also carried out in the application centre at the customer’s request.

TOOLS

Bending tools are developed and built in-house by specialists with considerable experience in the field of bending. Particular attention is paid to long-term reproducible bending results. The bending tools are produced in our modern production workshop.

The appropriate procedure (tempering, surface coating) is employed as required to refine the tool surfaces with the aim of producing durable tools and achieving perfect bending results.
AFTER-SALES

An experienced customer service is responsible for the competent assembly and commissioning of the systems as well as long-term maintenance and trouble-shooting.

A global service team supports users on-site or by means of convenient remote maintenance at all times. Replacement parts are available quickly thanks to large-scale storage and just-in-time production in-house.

Our aim is to ensure the constant, economical operation of the machines while conserving the value of the investments.
Bending solutions for parts with a diameter ranging from 10 to 120 millimetres. Suitable for individual parts and small runs. Semi-automatic, standardised products.
Bending solutions for parts with a diameter ranging from 10 to 120 millimetres. Suitable for small to medium-sized runs. Increased operator comfort and short set-up times. Fully-automatic, standardised and configurable products.
Bending solutions for technically highly-challenging parts with a diameter ranging from 10 to 225 millimetres.
Suitable for large runs and high productivity with excellent process reliability.
Customer-specific solutions using a standardised, modular system.
SAPHIRE 100

Right-hand/ left-hand bending
Head turning
Mandrel retraction
Hitch feed
Frames
Single bends
Sequential

SAPHIRE 100

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Automated further processing (cutting, punching, calibration, end machining and measurement) and part handling (tube feeding systems, handling systems, robots)