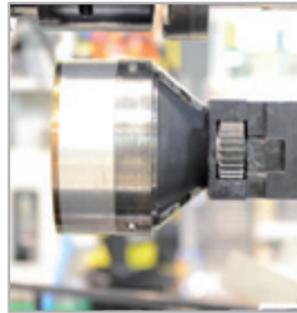


Forming RU Series



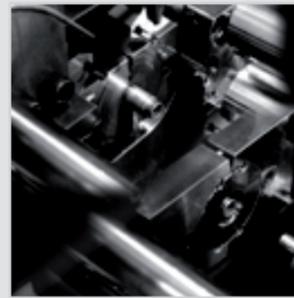
Endforming Machine RU Series



Rolling head and cutting head



Thread-rolling head



Additional clamps

CNC controlled endforming machines - RU Series

Flexibility by innovation | The market is demanding more efficient and versatile machines for processing tube ends. There already are several machines based on different concepts that try to meet the requirements of the industry. However, there are PRO's and CON's for each of them.

Creation of value by precise technology. These days, new technical possibilities are provided by servoelectric drives, which, unlike the hydraulic solutions, are able to follow complex and variable sets of parameters for each step.

The endforming machine is not just an evolution of our previous RU8-12-18 machines but rather a completely new development including the advantages of earlier models and considering solutions for customer requirements from the past.

Compact design and prepared for automation

A worldwide unique is the compact design of the machine with vertically aligned tools (maximum 16, also multiple rotating tools) combined without any hydraulics, which significantly reduces the machine's dimensions and makes it easy to transport.

The machine can be selected as a manually operated variant, as a master machine for simple automation and as a fully automatic forming press. Via the robot interface, the machine can be perfect integrated into a automated manufacturing cell.

Endforming Machines - RU Series MODULAR & PRECISE



Forming RU Series



Endforming force up to 300 kN

Product features

- Programming assistant (forming force and speed)
- High accuracy due to servomotor drives
- Prepared for automation
- Work cycles in automatic, single step, programming and manual mode as well as diagnosis
- Cycle time optimisation by free programming (override potentiometer for test run)
- Optimal control of material flow properties by servo drives
- Hydropneumatic clamping system
- Low Noise, low-maintenance and energy-saving servo-drives
- CNC control is PLC-based
- Double-tool dies offer the possibility **to cut the cycle time to half!**
- Touchscreen with Windows
- Small, compact design
- Tool and program change in less than 5 minutes

Optional

- Toolkits
- Tool adapter
- Double-tool
- Additional clamps
- Automatic component feed (e.g. flanges or nuts)
- Loading magazine
- Tool drive for rotating tools
- Rolling and cutting (trimming)
- Thread rolling
- Machine extension (length)
- Additional programming inputs
- Tool break control
- Programming station
- Remote service

Endforming Machines - RU Series

Technical data

Machine type	RU8	RU12	RU18	RU30
Tool stroke	220 mm			200 mm
Endforming force	80 kN	120 kN	180 kN	300 kN
Clamping force (workpiece)	180 kN	180 kN	270 kN	450 kN
Position accuracy	± 0,05 mm			± 0,05 mm
Electrical connection	3 x 400V / 50Hz with fuse 32A			3 x 400V / 50Hz 32A
Control voltage	24 VDC			24 VDC
Pneumatic connection	6-7 bar, 1/2"-connector			6-7 bar, 1"-connector
Clamps	Horizontal or vertical (69.9 mm, 95 mm or 155 mm)			vertical (120 mm)
Forming punches	2, 6 or 8			2 or 4*
Dimensions (LxBxH)	Default: 2800 x 1300 x 2700 mm (with filter unit: 3500 x 1300 x 2700 mm)			2800 x 1400 x 2700
Weight	approx. 2400 kg			approx. 4000 kg

* More forming punches on request

Examples of forming operation - illustration representation

