THE ENTIRE WORLD OF
FORGING AT A GLANCE
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AT A GLANCE.

### SYSTEMS FOR COLD FORGING

**HYDRAULIC PRESSES**
- Hydraulic cold extrusion presses
  
  **MH-series**, 3,150 – 40,000 kN

- Hydraulic ironing presses
  
  **MHS-series**, 2 × 630 – 2 × 16,000 kN

**MECHANICAL PRESSES**
- Knuckle-joint presses
  
  **MML-series**, 3,150 – 25,000 kN

- Knuckle-joint presses with ServoDirect Technology
  
  **MSL-series**, 3,150 – 25,000 kN

**FORMMASTER**
- FormMaster
  
  **FM-series**, 1,000 – 6,300 kN

**MECHANICAL PRESSES**
- FormMaster with ServoDirect Technology
  
  **FM-series**, 1,000 – 6,300 kN

### SYSTEMS FOR WARM FORGING

- Eccentric presses
  
  **MME-series**, 3,150 – 20,000 kN

- Eccentric presses with ServoDirect Technology
  
  **MSE-series**, 3,150 – 20,000 kN

- Knuckle-joint presses
  
  **MML-series**, 3,150 – 25,000 kN

- Knuckle-joint presses with ServoDirect Technology
  
  **MSL-series**, 3,150 – 25,000 kN
### Systems for Hot Forging

#### Hammers
- Down stroking hammers
  - KGH-series, 16–160 kJ
- Linear hammers with Servo Technology
  - KGE-series, 16–63 kJ
- Counterblow hammers
  - HG-series, 160–400 kJ
  - DG-series, 160–1,400 kJ

#### Screw Presses
- Screw presses with direct drive
  - PA-, PAR-series, 3,200 – 26,000 kN
  - PSM-, PSH-series, 14,000 – 80,000 kN
  - PZS-series, 100,000 – 360,000 kN

#### Mechanical Presses
- Crank presses
  - PK-series, 12,500 – 63,000 kN
- Crank presses with ServoDirect Technology
  - PK-series, 12,500 – 31,500 kN
- Crank presses with DualDrive Technology
  - PK-series, 12,500 – 63,000 kN
- Upsetter with ServoDirect Technology
  - MSU-series, 3,500 – 12,500 kN

#### Hydraulic Forging Presses
- Hydraulic forging presses
  - MH-series, 5,000 – 150,000 kN
SCHULER SERVICE.
STATE-OF-THE-ART SERVICE FOR MORE PERFORMANCE.

OPEN DIE FORGING PRESSES

- Hydraulic open die forging presses
  MHFT-, MHFU-series, 8 – 150 MN

WHEEL AND RING ROLLER

- Wheel roller
  MHRV-series, 1,800/800 kN

- Ring roller
  MHRH-series, from 1,000/300 kN

Schuler Service offers a tailored portfolio of services covering the entire life cycle of your equipment. Over 900 service employees worldwide provide expert support 24/7 in close cooperation with you – our partners.
FROM A SINGLE SOURCE

Process and operation development, dies and automation systems. In addition to forging systems and automation technology, Schuler also offers comprehensive process development including die solutions and die change systems from one source. To determine the best economic solution to produce quality parts, development of the forging process begins with part design, and must simultaneously consider material selection, process technology, production stages and die processes.

- Process development
- Feed and transport path analysis
- Die solutions
- Automation systems
- Die change systems

SCHULER SYSTEM SOLUTIONS

As a leading supplier of cold, warm and hot forging systems, Schuler offers you a decisive advantage over your competitors for productivity and quality. This overview of extensive products and services provides comprehensive solutions for producing forged products with high part quality, maximum production availability and reliable process engineering. The Schuler team is ready to put it into motion.

Temperature ranges. The different temperature ranges in forging are an important factor when selecting the process and for successful commercial production.

- Systems for hot forging
- Systems for warm forging
- Systems for cold forging
Schuler is the technological and global market leader in the field of forming technology. The company provides presses, automation solutions, dies, process expertise and service for the entire metalworking industry and for lightweight automobile construction. Its customers include automotive manufacturers and suppliers, as well as companies in the forging, household appliance, packaging, energy and electronics industries. Schuler is a leading supplier of minting presses and implements system solutions for a wide range of different high-tech sectors. The company has a presence in approximately 40 countries with roughly 6,600 employees. Schuler is majority-owned by the Austrian ANDRITZ Group.