

FORMING THE FUTURE



THE ENTIRE WORLD OF SHEET  
METAL FORMING AT A GLANCE

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FORMING THE FUTURE

# THE ENTIRE WORLD OF SHEET METAL FORMING. EXPERTISE FROM A SINGLE SOURCE



# SCHULER SYSTEM SOLUTIONS – EXPERTISE FROM A SINGLE SOURCE

## BLANKING

### BLANKING LINES



- With mechanical press
- With servo press
- With laser cell
- With two or four column swing shears
- With flying shears

### DESTACKERS



Up to 30 parts per minute

### BLANK STACK TURNING DEVICES



Up to 50% less blanking tools

## PRESSES

### HYDRAULIC PRESSES



- Hydraulic presses HPX series  
2,500–8,000 kN

### C-FRAME PRESSES



- C-frame presses  
250–2,500 kN

### STAMPING AND FORMING SYSTEMS



### PRESSES WITH FLYWHEEL DRIVE

- Stamping presses  
1,250–5,000 kN
- Knuckle-joint presses  
3,000–15,000 kN

## AUTOMATION | PRESSES

### COIL FEEDING LINES



- Short space design  
Coil thickness 0.5–25 mm  
– Compact Line



- Long space design  
Coil thickness 0.5–8 mm  
Coil width 300–1,850 mm  
– Basic Line  
– Power Line

### ROLL FEED



- Power Feed  
Up to 45 m/s<sup>2</sup>  
Coil width 300–1,850 mm

## PRESS LINES

### STAMPING AND FORMING SYSTEMS



#### TRANSFER, PROG-DIE AND MULTI-STATION PRESSES

- Mechanical multi-slide presses  
8,000–45,000 kN
- Mechanical multi-station presses  
2,500–60,000 kN
- Hydraulic transfer presses  
5,000–32,000 kN

### STAMPING AND FORMING SYSTEMS



#### SERVO PRESSES

- Servo presses | monoblock design  
2,500–8,000 kN
- Servo presses | tie rod design  
6,300–32,000 kN
- Presses with TwinServo Technology  
10,000 - 35,000 kN

EXPLORE TECHNOLOGY  
Servo TechCenter in Erfurt  
(Germany)

### STAMPING AND FORMING SYSTEMS



#### SPECIAL APPLICATIONS

- High-speed stamping presses  
630–1,250 kN
- Presses for aluminum forming  
400–630 kN
- Knuckle-joint presses for radiator panels  
3,550–15,000 kN
- Knuckle-joint presses for technical washers  
1,500–4,000 kN
- Knuckle-joint presses for embossing and calibrating  
3,600–10,000 kN

### WITH SERVODIRECT TECHNOLOGY



- ServoLine 16  
Up to 16 strokes per minute
- ServoLine20  
Up to 20 strokes per minute

### TRANSFER SOLUTIONS



- Pro Trans



- Intra Trans
- Intra Feed

### RACKING SYSTEMS



Customer-specific output systems

### FRONT-OF-LINE



- Blank loaders
- Blank washers
- Lubricators

## AUTOMATION | PRESS LINES

## TRYOUT

### MECHANICAL



- Mechanical press lines
- Mechanical high-speed press lines

### HYDRAULIC



- Hydraulic press lines
- Hybrid press lines

### TRYOUT SYSTEMS



- Hydraulic die spotting and tryout presses
- Hydraulic multi-curve tryout presses
- Mechanical tryout presses
- Tryout centers



- Tryout presses with ServoDirect Technology
- Die openers and transfer simulators

## DIE AND FORMING TECHNOLOGIES

### INTERPRESS



- Robots
- Crossbar Robots
- Crossbar Feeders

[EXPLORE TECHNOLOGY](#)  
Automation TechCenter  
in Gemmingen (Germany)

### END-OF-LINE



- Removal systems
- Finished part stacking systems

### ENGINEERING, DIES, PARTS MANUFACTURING



- Method planning/simulation
- Construction
- Car body dies
- Powertrain dies
- Module dies



[EXPLORE TECHNOLOGY](#)  
Press plant and Hot Stamping  
TechCenter in Göppingen  
(Germany), Servo TechCenter in  
Erfurt (Germany)

## LIGHTWEIGHT TECHNOLOGIES

### SOLUTIONS FOR HIGH-VOLUME MANUFACTURING



- Cold forming of high-strength steel
- Hot stamping with PCH Technology
- Hydroforming
- Plastic forming
- Aluminum forming

#### EXPLORE TECHNOLOGY

Hot Stamping TechCenter in Göppingen (Germany)

Hydroforming TechCenter in Canton, MI (USA)

## SCHULER TECHCENTERS

### EXPERIENCE TECHNOLOGY LIVE



At sites in Germany and in the USA – Schuler TechCenters offer an intensive communication option. With individual and tailor-made demonstrations, tests and training courses – directly on the latest presses and automation equipment.

[www.schulergroup.com/techcenter](http://www.schulergroup.com/techcenter)

## SCHULER SERVICE. STATE-OF-THE-ART SERVICE FOR MORE PERFORMANCE.



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.



[www.schulergroup.com/  
service\\_en](http://www.schulergroup.com/service_en)

**System partners in forming technology.** Schuler possesses many years of extensive process expertise and offers individual machine concepts for the automotive industries and their suppliers. Whether compact presses, blanking and forming systems, mechanical presses for high volume production or hydraulic presses for flexible production of small to medium production lot sizes – Schuler’s goal is to provide a cost-effective solution that gives customers a competitive edge. Products and services cover the complete process chain for turnkey metal forming systems. Whether for medium-sized companies involved in stamping and forming, large suppliers or an automaker’s stamping plant, Schuler provides the best technology for each application – supplying systems that produce consistent, high quality parts and deliver a competitive edge.



## SUSTAINABLE FORMING SOLUTIONS

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With the aid of Schuler ECOFORM, we can improve the energy requirements of sub-assemblies, system solutions, forming processes and methods. ECOFORM offers you: a press shop energy analysis, the use of energy-efficient components, innovative system solutions, intelligent control solutions and practice-oriented consulting. Schuler ECOFORM is a pioneering program that achieves a perfect combination of innovation, sustainability and economic efficiency.



SUSTAINABLE  
FORMING SOLUTIONS

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## ABOUT THE SCHULER GROUP – WWW.SCHULERGROUP.COM

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.

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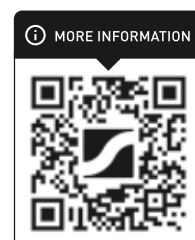
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