



## Cupping press systems from a single source



Forming the Future

SAFEGUARD YOUR COMPETITIVE EDGE WITH US

## Welcome to Schuler

As the global leader for advanced metalforming technology, Schuler supplies presses and automation systems throughout the world for many industries. Whether you are looking for machines, dies, process expertise or services – as a system supplier, we offer our customers complete production lines or innovative individual presses, all from a single source. Schuler offers equipment with the best component quality and high machine availability. In addition, our equipment can be installed quickly with trouble-free production right from the start. Our extensive global service network is established with experienced technical support in more than 40 countries around the world.



EFFICIENT CUPPING PRESS SYSTEMS FOR BEVERAGE CAN PRODUCTION

## Performance that pays off

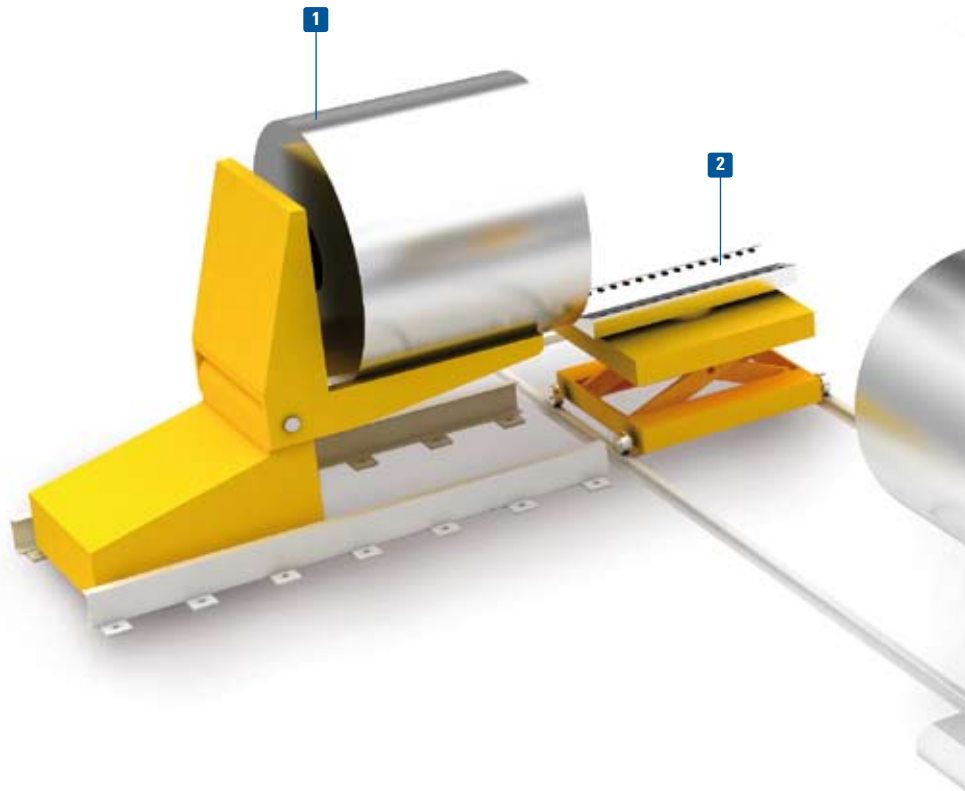
Tailor-made for future requirements in the packaging industry, this is the new high-speed cupping press system for beverage cans from Schuler. The complete production line is offered as a turn-key system, including coil line, feed, coil lubrication and die. The cupping system is supplied and put into operation in your facility from a single source. The innovative cupping press system has been developed for maximum profitability and proven high levels of performance. It can also be easily integrated into existing systems.



RELIABLE QUALITY THROUGHOUT THE ENTIRE PRODUCTION CYCLE

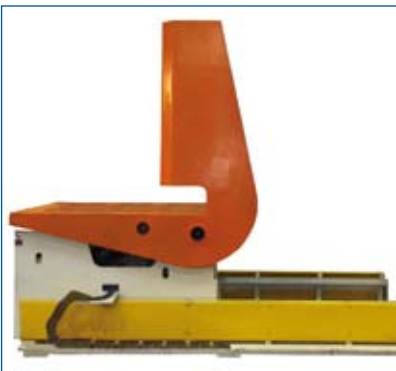
## Ground-breaking technology that sets the standard

The Schuler DA140 cupping press is the core of the beverage can production line. With a press force of 140 tons and up to 300 strokes per minute, it sets new and ground-breaking standards in terms of quality and output. When teamed with additional, innovative line components from Schuler, the cupping press system makes it possible to produce high-quality beverage cans both flexibly and economically. What is more, production takes place at high speed with the best possible part quality – even with particularly thin-walled cans or complicated production processes.



### 1 | Coil turner

90° tilting frame, smooth contact surface for placing the coil delivered with the “eye to the sky”, prismatic contact blocks for supporting and centering the turned-over coil.



### 2 | Coil loading cart

The coil loading cart is equipped with a  $\pm 90^\circ$  swivelling device for aligning the coil eye in relation to the decoiler mandrel. Flexible power conduits running along the rails ensure that the energy supply lines are guided smoothly.



### 3 | Double decoiler

Variable-speed drives for both decoiler shafts and top part of decoiler that can be swivelled using an electric motor.





#### 3 | Coil lubrication

Optionally, coil lubrication can be either stand-alone or integrated in the feed.



#### 4 | Coil loop

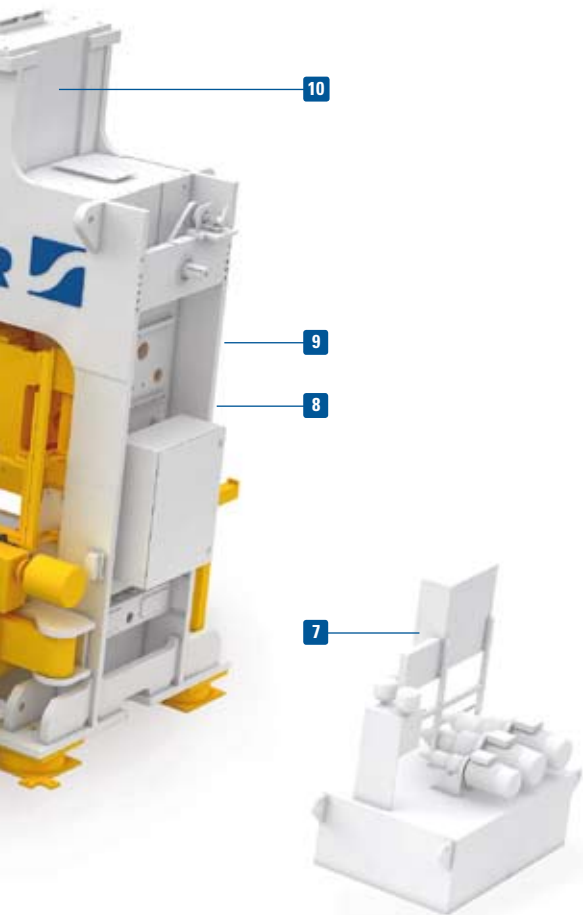
Fully automatic coil loop control.



#### 5 | Servo feed

Feed with servo drive for high-precision feed lengths and minimum changeover times combined with the highest stroke.





### 7 | Hydraulic unit

The self-contained, central hydraulic unit guarantees the best possible access for simplified maintenance and servicing.



### 8 | Die

Double or triple action cupping press dies with tungsten carbide active parts for round and non-round technology.



### 9 | Quick die change

Hook-in die change brackets and hydraulic roller bars, combined with motorized slide adjustment, guarantee minimum die change times.

Hydraulic die clamping on request.



### 10 | Cupping press

Welded monoblock frame with reinforced bed area for increased rigidity and therefore reduced die wear.

Pre-stressed slide guides with zero-play for precise slide motion as well as minimum slide tilting for increased die life.



## TECHNICAL DATA ON CUPPING PRESS DA 140-2,15

	DA 140-2,15
Total force [kN]	1,400
Working energy [kJ]	15.5
Phase shift [°]	60
SPM (strokes per minute)	100–300
Bed size width [mm]	2,135
Bed size depth [mm]	1,120
<b>Outer slide</b>	
Force [kN]	700
Stroke height [mm]	50.8
Adjustment [mm]	50
Shut height SDAU (slide down, adjustment up) [mm]	560
Size width [mm]	2,135
Size depth [mm]	915
<b>Inner slide</b>	
Force [kN]	700
Stroke height [mm]	127
Adjustment [mm]	50
Shut height SDAU (slide down, adjustment up) [mm]	720
Size width [mm]	1,500
Size depth [mm]	430

Other technical data and model information available on request.

## ADVANTAGES

- Rapid startup with the help of global service teams
- One point of contact, because it is a complete system from a single source
- Dynamic mass balancing means no foundations are necessary
- Straightforward installation in existing surroundings/can pressing line
- High and long-term parts quality because of maintenance-free slide guides
- Prestressed slide guides for precision and zero play make it possible to produce thin-walled cans and to employ complicated production processes. This reduces die wear.
- Zero-maintenance direct drive
- Wear-free hydraulic clutch and brake combination
- Central hydraulic unit for simplified maintenance and servicing



## More. Service from Schuler.

### Technical service

- Maintenance and servicing
- Machine inspection
- Safety inspection
- Preventive maintenance
- Energy checks
- Teleservice
- Overhaul
- Machine relocation
- Machine installations

### Performance enhancement

- Optimization
- Modernization
- Die and process technology

### Training

- Schuler Academy
- Production start-up support

### Used equipment



### Service worldwide:

Germany • France • Great Britain • Italy •  
Switzerland • Slovakia • Spain • Czech Republic •  
Russia • USA • Mexico • Brazil • China • India



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