

FORMING THE FUTURE



TRADITION IN INNOVATION

Specialists in metal forming for the world's packaging industry

SCHULER 

Member of the ANDRITZ GROUP

TRADITION IN INNOVATION.

In 1839, Schuler was founded as a locksmith shop in Southwestern Germany. By engineering sheet metal processing machines that offered unprecedented productivity, Louis Schuler turned the small workshop into a flourishing factory. Schuler has acquired an impressive pedigree in the metal forming industry and is a successful global corporation today.



SPECIALISTS IN METAL FORMING TECHNOLOGY. ALSO FOR THE PACKAGING INDUSTRY.

From the very beginning, we invested all of our energy into developing innovative solutions for our customers. This has resulted in our earning an impressive pedigree in the metal forming industry, and today Schuler is a successful, global corporation.

Schuler is the recognized global leader in metal forming. The spirit of innovation runs like a thread through the long history of the company, which works closely with several distinguished institutions of research. Schuler has long-term experience in metal packaging. We provide metalforming equipment for aerosol cans, beverage cans, and food cans. We keep abreast of current and future industry regulations and requirements.

Benefits exclusively for our packaging customers.

Schuler's customers benefit from an independent, globally represented and financially strong supplier with proven technology, the commitment to innovation, and a customer focused team in engineering, production, sales, and service.



Schuler provides metalforming equipment for aerosol cans, beverage cans, and food cans.

SCHULER: A WORLDWIDE FOOTPRINT

As the technological and global market leader in metal and plastic forming equipment, Schuler offers cutting edge presses, automation, dies, process know-how, and services for the entire metal forming industry and lightweight vehicle construction. Its clients include car manufacturers and their suppliers, as well as companies in the forging, household equipment, packaging, energy, and electrical industries. Schuler is the market leader in coin minting technology and supplies systems solutions for the aerospace, railway, and large pipes industries. With 5,400 employees, Schuler is represented in 40 nations around the world. The Austrian Andritz Group holds a majority share in Schuler.

DEDICATED SCHULER METAL FORMING SOLUTIONS FOR ALL RELEVANT MARKETS. BEVERAGE, AEROSOL, FOOD.



Schuler provides a broad product range for the beverage industry.

Schuler offers the broadest portfolio of metal forming machines. For the aerosol and beverage can industry, Schuler has expanded its product portfolio to include bodymakers, neckers-flangers, and light testers. This means that for can manufacturers throughout the world,



Schuler provides equipment for these markets: Beverage, Aerosol, Food.

Schuler now offers complete forming solutions ranging from can and tooling design, technical process support, and engineering for installation, commissioning, and training - all the way to the start-up of a can line.

TYPICALLY SCHULER DNA. QUALITY, PERFORMANCE, COST-EFFICIENCY, SERVICE AND SUPPORT.



Proven and reliable technology: the Schuler impact extrusion presses XS series.

Schuler's system solutions stand for maximum product quality and high technical performance.

We offer economic production to ensure the greatest possible cost-efficiency for customers. Schuler supports its system solutions with local production and outstanding, global customer service. Schuler's main priority is always to ensure the ultimate productivity and efficiency of the production equipment in order to secure the customer's continued success.



Efficient production of aluminum cups for the beverage industry.

The unique benefits of all our machines:

- High output range
- Low maintenance
- Short setup time
- Efficiency (Significant TCO Advantage and low cost per part)
- Reliability
- Security (Financial strength)
- Durability (production cycles of 10 years)

BEVERAGE.

CUPFORMER FOR BEST CUP QUALITY, ALSO FOR THIN-WALLED CANS.



Schuler CupFormer in a complete production line.

Precise and economic. Schuler CupFormer ensures the economic production of top-quality cups for beverage cans – especially thin-walled designs in tinfoil and aluminum. Schuler supplies the complete production line – comprising coil line, feed unit, coil lubrication, and cupping dies – including onsite installation and start-up at the customer's facility. Schuler CupFormer can be easily integrated into any existing environment.



High-quality beverage cups made on a Schuler CupFormer.

The benefits:

- Best cup quality, also for thin-walled cans
- High output rates: from 1,000 up to 4,200 cups per minute
- Economic production
- High machine uptime due to low maintenance
- Cost savings from reduced tool wear
- Free-standing, easily accessible hydraulic unit

BEVERAGE.

BODYFORMER FOR THE ECONOMICAL PRODUCTION OF BEVERAGE CANS.



Schuler BodyFormer.



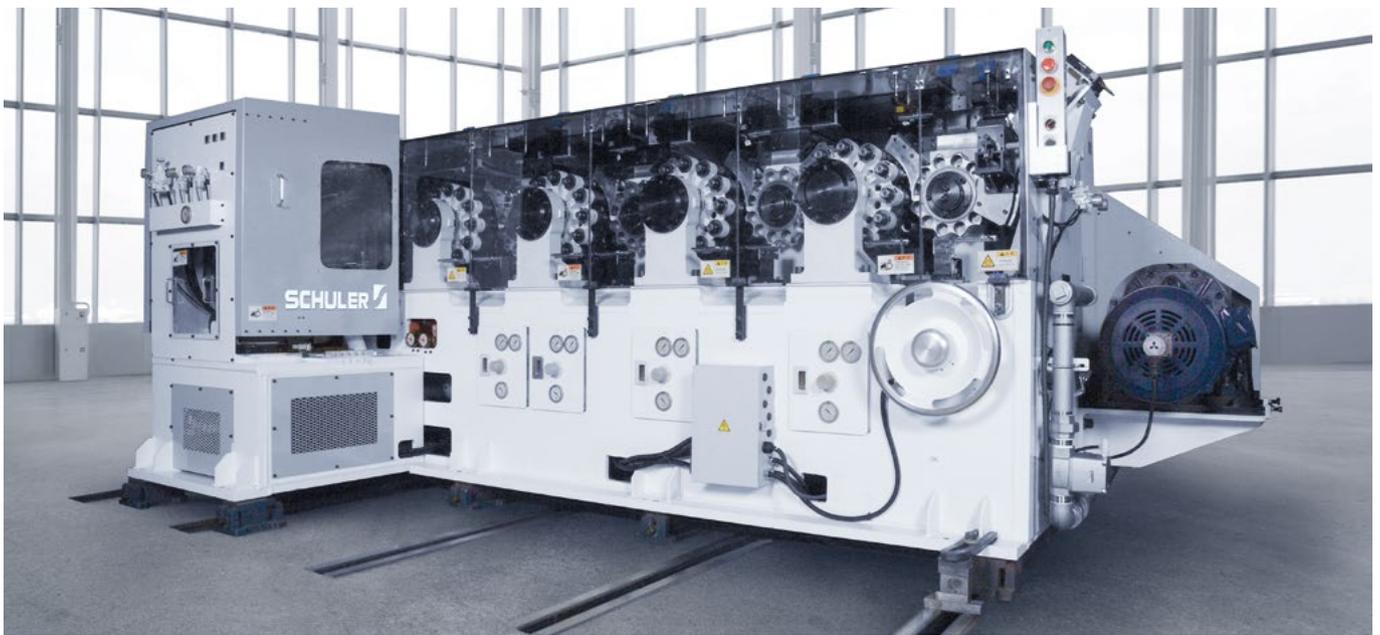
High-quality, thin-walled beverage cans.

The Schuler BodyFormer is a system for the production of beverage cans, bottle cans, and food cans. The special hypocycloid transmission guarantees highest output, as well as long and reliable production. This proven technology has been further improved by Schuler. It is delivered either as a stand-alone machine or as part of a beverage line, also provided by Schuler. With low maintenance requirements, the Schuler BodyFormer produces aluminum and steel beverage, bottle, or food can bodies with superior accuracy and productivity. Along with a proven technology (under license of Universal Can Corporation), several groundbreaking design innovations from Schuler increase production speeds and reduce maintenance.

The benefits:

- Rapid startup and easy installation
- Maximum production output up to 400 cans per minute
- Low level of tear-offs due to hypocycloid transmission
- Highest product quality: Precise and accurate body wall thickness due to optimized guidance technology
- Lower machine life cycle costs – e.g. low oil consumption and less tool wear
- Dynamically balanced mechanical drive allows higher speeds with less vibration
- Designed for steel or aluminum cans
- Wide range of can diameters and heights
- Available as a stand-alone machine or integrated into complete beverage lines

BEVERAGE. SCHULER NECKFORMER – PRECISE NECKING AND FLANGING.



Schuler NeckFormer.

SCHULER NECKFORMER

Cans that require necking and flanging require high-speed, reliable, and proven technology. The Schuler NeckFormer is an ideal solution for these requirements. The NeckFormer will handle the shaped cans through all stages of the necking and flanging processes. The Schuler NeckFormer will also shape cans from 1,800 t up to 3,000 cpm.

Schuler NeckFormer can be delivered as a single machine or as an integral part of Schuler's Beverage CanLine.

BEVERAGE. SCHULER SHELLFORMER AND SCHULER LIDFORMER.



Schuler ShellFormer.

Production of can ends in best quality. For the production of can ends, Schuler supplies the complete system with coil feed, feeder, and dies – all connected by a single control and visualization system.

There are two steps in the manufacturing of can ends. Firstly, the shell is produced from coil sheet using a Schuler ShellFormer. On a second machine – the LidFormer – a metal strip is fed into the die to form the tab. This is then attached to the pre-formed shell. The Schuler LidFormer features a controlled, three-phase drive with energy recovery and temperature control of the body.



Production of can ends in highest quality .

The fast-action clutch/brake, as well as the depth penetration control, ensure the reliable and economic completion of this complex process.

The benefits:

- High output and energy-efficient production
- Play-free and maintenance-free slide guidance for maximum die service life
- Consistent product quality and minimal scrap

AEROSOL. SLUGMASTER SAK FOR THE MASS PRODUCTION OF ALUMINUM SLUGS.



Schuler Slugmaster SAK.

Schuler's Slugmaster SAK is a fully automated blanking line which was specially designed for the mass production of aluminum slugs and other high-volume blanked parts.

Thanks to its high degree of modularity, each line can be configured according to specific customer requirements. The heart of the line, the press, can also be specified according to individual needs. It is available with press forces of up to 5,000 kN. Such high stamping forces ensure the reliable processing of very wide and thick aluminum coils. With ample power for all situations and a highly rigid design, the press can easily cope with even very high reverse tonnage.



Broad variety of slugs with Schuler Slugmaster.

The production line concept allows sustainable and economic production with maximum product quality.

The benefits:

- Maximum product quality
- Sustainable production
- Energy-efficient production line concept
- Turnkey solution
- Intuitive operator guidance
- Reduced recurring costs
- Less downtime
- Efficient scrap logistics

AEROSOL.

IMPACT EXTRUSION PRESS XS SERIES FOR HIGHEST PART QUALITY.



Impact extrusion press XS.



Aerosol cans, tubes, and bottles.

The XS series sets the standard for the economic production of aerosol cans. The impact extrusion presses of the XS series are used to manufacture aerosol cans, tubes, and bottle cans with a high degree of production quality. The impact extrusion presses are equipped with Schuler's reliable knuckle-joint drive. It guarantees high product quality and volume, while at the same time enabling higher production speeds. It also offers customers the possibility to produce a wide spectrum of parts. The XS range is available with press forces of between 1,500 kN and 12,000 kN and boasts extremely short setup times.

The benefits:

- Maximum product quality
- Extremely high production speeds
- Minimum setup times
- Sustainable production
- Maximum efficiency
- Longer tool life

FOOD. FOOD CANS, ALSO PET FOOD CANS.



From coil to finished aluminum or tinplate can.

Cans for food and pet food. Schuler provides equipment for food cans and pet food cans.

For aluminum cans, customers can work with the system solution from the coil to the finished can by using PAL/PAZ special presses.

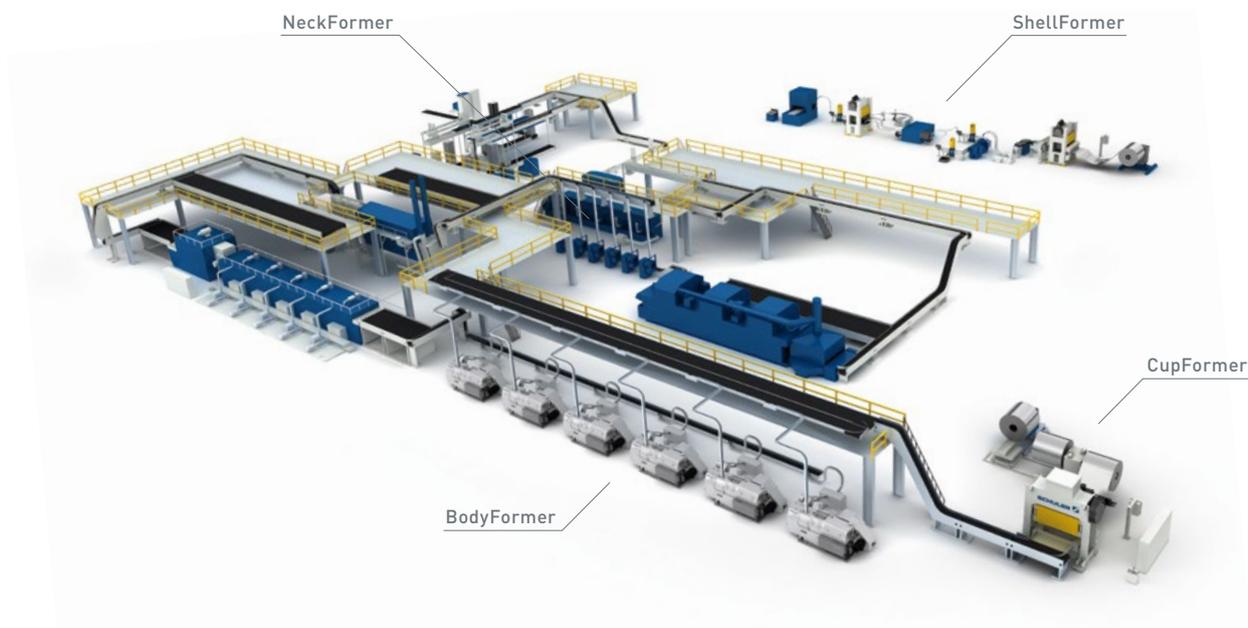


With the Schuler BodyFormer, beverage cans, in addition to food cans and pet food cans are produced.

All over the world, many machines are in use, stamping the most challenging containers in multi-shift operation.

For steel food cans, customers can use the equipment CupFormer and BodyFormer.

COMPLETE SYSTEMS. BEVERAGE CANLINE.



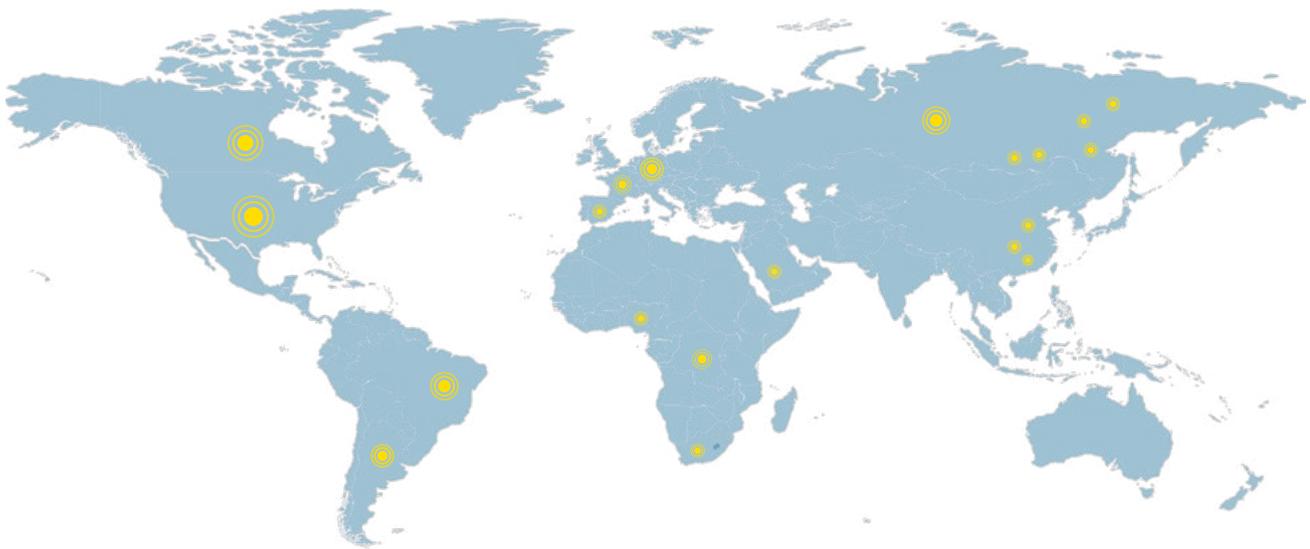
Schuler Beverage CanLine.

Beverage CanLine. Turnkey production lines for the production of two-piece beverage and food cans, as well as one-piece or two-piece beverage bottle cans. Schuler supplies complete production lines – from planning and pre-engineering to installation and support. Customers also benefit from Schuler’s know-how as a system supplier with professional project management. Schuler’s system solutions stand for sustainability and offer economic production with maximum product quality to ensure the greatest possible benefit for our customers.

The benefits:

- From pre-engineering and feasibility studies to installation and production support
- Professional finance solutions
- Maximum economic efficiency and sustainability
- Best possible cost-benefit ratio
- Global service network with contact partners in over 40 countries

SCHULER SERVES A GLOBAL MARKET.
EUROPE – MIDDLE EAST – AFRICA – CHINA
– ASIA PACIFIC.



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. Our main priority is always to ensure the ultimate productivity and safety of your production equipment in order to secure your company's continued success.

With experience and expertise since 1839, we can guarantee the best possible support for the operation of your machines – and not only those supplied by Schuler, but by all other manufacturers. Whatever the situation, Schuler Service has the right solution for your specific needs.



SCHULER SERVICE ONLINE



Want to know more about our full range of services?

Simply scan the QR code with the camera of your smartphone or tablet.

www.schulergroup.com/service_en



www.schulergroup.com/Packaging

For more information, simply scan the QR code with the camera of your smartphone or tablet.

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