



Can Body Welder

Continuous production. Absolute precision. Full control.

Complete system solution with 5L can calibration and external water cooling (chiller) unit. Optional lifting platform stacker enables uninterrupted production.

-  Sheet feeding is achieved through a servo-driven cam mechanism combined with vacuum suction cups, ensuring precise and stable transfer. Body positioning and transfer are controlled via servo-driven cam systems, delivering perfect alignment before welding.
-  The welding system features a pendulum arm-driven top roller and mercury-free roller technology for safe, environmentally friendly, and low-maintenance operation. Wire tension is continuously optimized via a servo-controlled tensioning system, ensuring consistent and repeatable weld quality. Minimum spacing between consecutive bodies is adjustable down to 1 mm.
-  All main machine movements are automatically synchronized based on welding length and production speed. Fast changeover design minimizes downtime.
-  Automation is centrally managed via Beckhoff PLC and a 12" touchscreen HMI. Welding current and speed parameters can be adjusted and monitored in real time. The system supports both step and continuous wire feed modes. A frequency-controlled welding inverter maximizes process stability.
-  Integrated safety and monitoring systems detect double sheet feeding, wire faults, low air pressure, and cooling conditions. Full operator protection is ensured with a modern safety enclosure.
-  The machine is pre-engineered for powder coating system integration. A fully automated line is achieved with integrated Cartesian robot and conveyor-based sheet feeding system between slit and welding machine.



Technical Data

	MAC 20336	MAC 20656
Capacity (bodies/min.*)	120	80
Body Diameter (mm)	Ø73 - 165	Ø140 - 300
Body Height (mm)	50 - 320	100 - 550
Tinplate Thickness (mm)	0.2 - 0.3	0.2 - 0.4
Copper Wire Dia. (mm)	Ø1.38 - 1.50	Ø1.38 - 1.50
Welding Speed (m/min.*)	9 - 25	9 - 25

*Varies depending on preferred can's diameter and length.

Highlights

- Servo-driven main drive and feeding systems
- Vacuum-assisted precision sheet transfer
- Mercury-free welding rollers
- Servo-controlled wire tension system
- Minimum 1 mm body spacing adjustment
- Frequency-controlled welding inverter
- Beckhoff PLC & 12" HMI control
- Step & continuous operation modes
- Closed-loop chiller for thermal stability
- Integrated robotic feeding system



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Induction Curing Oven

Continuous production. Absolute precision. Full control.

- Umar's modular curing systems harden lacquer or powder seam protection immediately after application, ensuring strong adhesion and consistent seam quality.
- Available in gas or induction versions, with linear or U-shape layouts, the system includes automatic temperature control and speed-adjustable conveyor belts for flexible integration.
- Rare-earth magnetic induction coils deliver stable, uniform curing with long service life. Dual-side SPWM pulse control ensures reliable operation independent of main power fluctuations.
- Smart heating activates only when can bodies are detected, reducing energy consumption and eliminating unnecessary heat loss.
- No water cooling is required, minimizing condensate and maintenance.
- A powerful exhaust system keeps the workshop clean, while PLC-controlled HMI enables precise digital control. Optional intelligent temperature regulation and customized transport systems are available for specific production needs.



Technical Data

MAC 35234

Capacity (m/min.*)	9 - 25
Body Diameter (mm)	Ø73 - 300
Heating Options	LPG / NATURAL GAS / INDUCTION

* VARIES DEPENDING ON WELDER SPEED
OVEN LENGTH AND NUMBER OF HEATERS CAN BE REDUCED ON DEMAND

Automatic Seam Welding Machine

Continuous production. Absolute precision. Full control.

- Fully automatic machine is developed for giving cylindrical shape and seam welding operation of three-piece can bodies. Switch to different diameters in a minimum time with convenient easy-changeover calibration unit. Easy maintenance and practical adjustment. Comprehensive access via PLC. Monitor production remotely from all smart devices. Online service plus software updates from anywhere.



Technical Data

	MAC 20655	MAC 20640	MAC 20332 (Non-Stop)
Capacity (bodies/min.*)	60	80	120
Body Diameter (mm)	Ø140 - 300	Ø140 - 300	Ø73 - 165
Body Height (mm)	100 - 530	100 - 400	50 - 165
Tinplate Thickness (mm)	0.2 - 0.4	0.2 - 0.4	0.2 - 0.3
Copper Wire Dia. (mm)	Ø1.38 - 1.50	Ø1.38 - 1.50	Ø1.38 - 1.50
Welding Speed (m/min.*)	9 - 25	9 - 25	9 - 25



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Auto Round Can Assembly Line

Compact design. Modular architecture. Continuous production.

Designed for the production of round can bodies, this line integrates multiple operations into a single system, including flanging, top and bottom seaming, beading, expanding, necking, and re-flanging. The result is efficient, consistent, and high-quality output.

-  Can bodies are transferred and processed through servo-controlled systems, ensuring precise positioning and synchronized operation across all stations. The modular architecture allows production of various diameters, heights, and shapes on a single line.
-  The system supports open-top and double-seamed cans, as well as straight and conical formats. All parameters are centrally managed via a 15" touchscreen HMI. Industry 4.0 compatibility enables full data integration and monitoring.
-  A servo-driven automatic height adjustment system ensures fast format changeover with minimal downtime. The compact footprint maximizes space efficiency in production environments.
-  **Optional Stations**
Additional modules can be integrated based on production needs:
 - Double flanging
 - Top and bottom seaming
 - Conical shaping unit
 - Anti-cut necking & flanging
 - Beading for food cans or pails
 - Pail top edge double curl
 - Handle lug welding (wire or plastic handles)
 - UN upgraded seam
 - Lid feeding conveyor system

Technical Data

MAC 52310 / MAC 52304 (OT)**

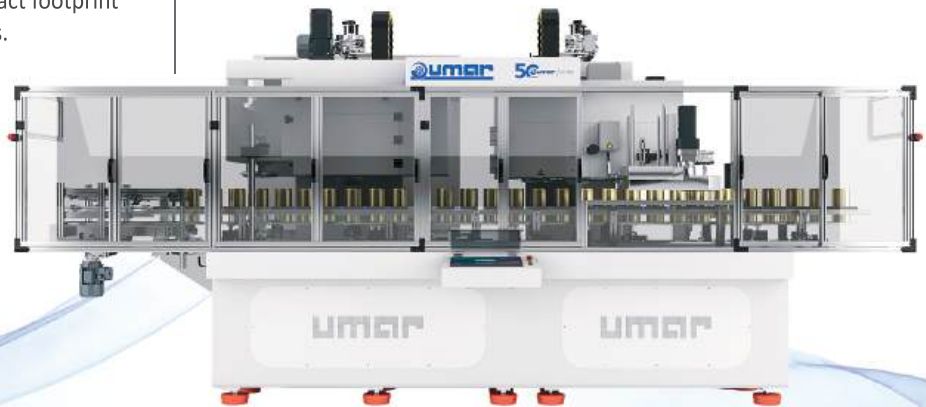
Min. - Max. Can Volume (Lt)	0,175 - 18
Capacity (cans/min.*)	70 - 80
Min. - Max. Body Dimensions (mm)	Ø65 - 230
Min. - Max Body Height (mm)	60 - 380
Tinplate Thickness (mm)	0.2 - 0.

**Varies depending on body dimensions.*

*** Open Top*

Highlights

- Compact and space-efficient design
- Modular system for flexible production
- Servo-driven automatic adjustments
- 15" touchscreen HMI
- Industry 4.0 ready
- Single line for multiple can formats



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Auto Angular Can Assembly Line

High-Tech Modular System for Shaping, Assembling, and Seaming Angular Can Bodies

The UMAR MAC Series Body Assembly Line for angular cans is a fully automatic, modular system engineered to perform multiple forming operations—such as expanding, paneling, necking, flanging, and seaming—within a single compact machine setup. Tailored for flexible production and precise forming of open-top and double-seamed angular cans, this line is the ultimate choice for manufacturers seeking performance and adaptability.

System Highlights

Compact, Space-Saving Footprint: Efficient design for optimized floor space in high-output manufacturing environments.
Modular Architecture: Built to adapt. The system can be configured for various can body types, including:

- Open-top or double-seamed cans
- Straight or conical angular can shapes
- Custom configurations available upon request
- User-Friendly Operation:
 - 15" touchscreen interface with intuitive controls
 - Fast recipe-based format changeovers
 - Fully automatic height adjustment via precision servo drives
- Smart Control & Monitoring:
 - PLC-based control system with comprehensive access and diagnostics
 - Remote production tracking via smart devices
 - Online service access and real-time software updates—from anywhere
- Industry 4.0 Ready: Open to future digital integration, data monitoring, and smart factory upgrades.

Technical Data

MAC 75709 / MAC 75706 (OT)**

Min. - Max. Can Volume (Lt)	0.175 - 20
Capacity (cans/min.*)	50 - 80
Min. - Max. Body Dimensions (mm)	58x58 - 235x235
Min. - Max Body Height (mm)	60 - 380
Tinplate Thickness (mm)	0.2 - 0.4

**Varies depending on body dimensions.*

*** Open Top*

Highlights

Optional Add-On Stations

- Second welding line indexing unit – For enhanced precision in complex seam patterns
- Conical shaping head – For producing stackable angular cans
- Four-corner expanding unit – With automatic corner expansion control
- Corner embossing station – For added rigidity and design flexibility
- Internal or external paneling station – With automatic embossing depth adjustment
- Necking unit (internal or external) – Includes anti-cut profile option
- Lid feeding conveyor system – For seamless downstream integration
- Built for Durability & Ease of Maintenance
- Solid automation platform for continuous, reliable operation
- Practical and accessible mechanical layout for easy maintenance and servicing
- Use of commercial-grade components to ensure long-term supportability and uptime



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Stainless Steel Round Can Seamer

Designed for hygienic, reliable, and efficient can closing operations, the Stainless Steel Round Can Seamer offers high-performance seaming for round cans and compatible carton containers. Its compact structure, food-grade stainless steel body, and advanced automation features ensure smooth operation across a wide range of food packaging applications.

Key Features

- Hygienic stainless steel body with easy-to-clean design
- All product-contact surfaces are manufactured from food-grade stainless steel
- User-friendly touchscreen HMI panel suitable for food industry applications
- Automatic lid feeding system for continuous operation
- Optional nitrogen (N₂) gas flushing system
- Optional top pressing system for product settling before seaming
- Optional printing unit integration
- Suitable for seaming both metal cans and compatible carton containers
- Capacity up to 50 cans /minute depending on product type and filling condition



Technical Data

MAC 24323

Capacity (cans/min.*)	up to 50
Body Diameter (mm)	Ø52 - 230
Body Height (mm)	50 - 250

**Varies depending on preferred can's diameter and length.*

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Stainless Steel Angular Can Seamer

Designed for precise and hygienic seaming of square and rectangular cans, the Stainless Steel Angular Can Seamer combines durable construction with operator-friendly automation. Its stainless steel body, easy-clean structure, and automatic lid feeding system ensure reliable performance for food and industrial packaging applications.

Key Features

- Hygienic stainless steel body with easy-to-clean design
- Suitable for square and angular can seaming applications
- All product-contact surfaces are manufactured from food-grade stainless steel
- User-friendly touchscreen HMI panel
- Automatic lid feeding system for continuous operation
- Operator-friendly machine design for simple and efficient use
- Stable and precise seaming performance
- Capacity up to 20 cans per minute depending on can size and product type



Technical Data

MAC 24323

Capacity (cans/min.*)
Body Diameter (mm)
Body Height (mm)

up to 20
158x158 - 235x235
115 - 380

*Varies depending on preferred can's diameter and length.

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