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Evolutionary economic tube production for wall thicknesses up to 2 mm

Greater flexibility

Requirements for flexibility in terms of length and diameter, the reducing of changeover times, and program-controlled changeover without change parts are the strengths of the Ecostar.

Freedom when it comes to tube geometry

In addition to the advantages for short tube production – without the shape-specific reworking of the tubes – the Ecostar offers tremendous freedom in terms of tube geometry. The Ecostar's

core is the automatic diameter adjustment in roll forming and welding. The roll formed sheet is joined by radially movable clamping bars on the outside and is continuously welded under a stationary welding optic.

Areas of application

With its dimensions, the Ecostar is ideally suited for the production of catalytic converter housings, round/oval small containers, pressure tanks and similar products.

Extensions

The Ecostar can be extended with these modules:

- Seam planishing, to eliminate any height offsets in

the weld seam

- Laser marking for tube traceability
- Annealing at approx. 500°C in order to optimize a subsequent expansion or calibration
- Calibration or spinning for catalytic converters
- Loading from the rotating pallet table to minimize set-up times
- Loading of different stacks of blanks for the automatic processing of orders with different tubes
- Coil loading of the Ecostar by means of a directly connected cut-to-length line

Ecostar	200/600	400/600	400/1250
Tube diameter	80 – 200 mm	80 – 400 mm	100 – 400 mm
Tube length	80 – 600 mm	80 – 600 mm	100 – 1,250 mm
Material thickness	0.8 – 2.0 mm	0.8 – 2.0 mm	0.8 – 2.0 mm
Materials	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*
Welding source	Laser	Laser	Laser
Output	up to 200 tubes/h	up to 185 tubes/h	up to 240 tubes/h

* Other materials upon request.