

Flexistar

Roll forming & welding



08 2021

Innovative flexible production line for the manufacture of thin-walled quality tubes

Continuous throughput

The tried-and-tested Flexistar concept is a high-quality patented tube production line for thin-walled material.

Variable

As a compact tube production center in one system – combining multiroller and laser welding equipment – Flexistar does not require any change parts when changing length or

diameter. This enables the production of two different diameters in alternation (e.g. inner tube – outer tube), as required for insulated chimney tubes or multi-layer bellows.

Modular automation

On the infeed side, the sheets can be fed from stacks or a coil. Automatic inline quality control can be integrated with ease.

Tube end processing

Tube end processing options include expanding, beading, flipping, shrinking, etc.

Flexistar	150/2200	250/1250	400/1250	600/1550	400/2000
Tube diameter	60 – 150 mm	60 – 250 mm	80 – 400 mm	76 – 600 mm	76 – 400 mm
Tube length	300 – 2,200 mm	250 – 1250 mm	250 – 1,250 mm	250 – 1,550 mm	250 – 2000 mm
Material thickness	0.2 – 0.8 mm	0.4 – 1.0 mm	0.4 – 1.0 mm	0.4 – 1.0 mm	0.4 – 1.0 mm
Materials	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*
Welding source	Laser	Laser	Laser	Laser	Laser
Output	up to 240 tubes/h	up to 240 tubes/h	up to 240 tubes/h	up to 240 tubes/h	up to 240 tubes/h

We can also advise you on further dimensions.

* Other materials upon request.