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The single-station welding system for maximum flexibility in tube production for small to medium batch sizes

Patented clamping technology

The clamping belt system enables precise and reproducible clamping without the need for a diameter-specific tool: round, oval, polygonal.

Programming

Up to 400 programs with their respective clamping and welding parameters can be stored in the control panel.

Simple management

The machine sets itself up automatically depending on the selected program.

Reproducibility

The high-level accuracy of the joining and clamping process guarantees consistent quality in automated welding processes.

Modular concept

The systems found in the Flexmaster series can be combined with numerous modules from Weil Technology, and they can be operated as a stand-alone

solution or in a fully automated production line.

By using a flexible clamping unit, no mechanical conversion is necessary for a diameter change.

	Flexmaster 400/1250	Flexmaster 400/2000	Flexmaster 600/1500	Flexmaster 1000
Tube diameter	76 – 400 (600) mm	76 – 400 (600) mm	100 – 610 mm	200 – 1.000 mm
Tube length	100 – 1.270 mm	100 – 2.000 mm	250 – 1.550 mm	250 – 2.000 mm
Material thickness	0.4 – 2.0 mm	0.8 – 2.0 mm	0.8 – 2.0 mm	0.6 – 2.0 mm
Materials	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*	Steel, stainless steel*
Welding source	Laser, TIG, Plasma	Laser, TIG, Plasma	Laser, TIG, Plasma	Laser, TIG, Plasma
Output	up to 150 tubes/h		up to 80 tubes/h	up to 60 tubes/h

We can also advise you on further dimensions.

* Other materials upon request.