

Precision Starts Before the Weld

Designed for shop and field use, AutonoWeld orbital tube preparation tools support clean, square tube preparation and improved fit-up consistency.

AutonoWeld™ Tube Facing Machine

The AutonoWeld tube facing machines are designed for orbital welding applications. They support clean and consistent tube end preparation while reducing setup time and operator variability.



Model Variants

FX-100 | FX-150 | FX-250 | FX-450

Tube Facing Tool				
Model No.	Facing Diameter Range	Max Wall Thickness	Rotational Speed	Weight
FX-100	0.125-1"	0.118	300 RPM	4.4 lb
FX-150	0.125-1.5"	0.157	400 RPM	5.5 lb
FX-250	0.1875-2.5"	0.118	400 RPM	8.8 lb
FX-450	0.25-4.5"	0.393	300 RPM	22 lb

Facing Diameter Range

0.125" to 4.50" in depending on model

Max Wall Thickness

Up to 0.393" on larger model

Power Output

305 W to 1,020 W depending on configuration

Rotational Speed

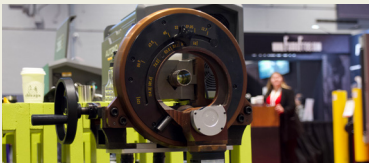
300-400 RPM for fast, consistent edge prep



Key Features:

- Planetary-style cold facing for burr-free results
- Designed to help minimize tube deformation.
- Supports consistent squareness for improved orbital weld fit-up.
- Compact, lightweight design for field work
- Designed for stainless steel, carbon steel, and alloy tubing

Orbital Saw



S3 vs S4 Model Overview

The AutonoWeld Orbital Saw is available in two configurations to match different diameter ranges and wall thickness requirements.

S3 is designed for smaller-diameter tube and pipe, supporting cutting and beveling from 0.25 to 3.00 inches with wall thicknesses up to 0.197 inches. Its more compact footprint and lighter weight make it well suited for tighter shop layouts and applications where portability matters.

S4 expands capacity for larger tube and pipe, handling diameters from 0.50 to 4.50 inches with wall thicknesses up to 0.276 inches. With a larger and heavier frame, the S4 provides added stability for heavier-wall materials while maintaining the same cutting performance.

Both models utilize a common drive system, automatic centering, interchangeable blade design, and supported material range. This allows operators to work within the machine's capacity while maintaining consistent operating characteristics.

Orbital Saw Specs

Rotational Speed

Adjustable 30–160 RPM for controlled, precision cuts

Motor Power

1.74 hp (1300W)

Input Voltage

220 V, 50 Hz

Supported Materials

Stainless, carbon steel, aluminum, copper, plastics, titanium

Key Features

- Automatic centering
- Cold cutting
- Interchangeable blades
- Burr-free finish
- Designed to help minimize tube deformation.
- Supports consistent squareness for improved orbital weld fit-up.

Orbital Saw							
Model No.	Cutting / Beveling Diameter Range	Max Wall Thickness	Net Weight	Shipping Weight	Length	Width	Height
S3	0.25" - 3"	0.197"	88.9 lb	121.3 lb	23.62"	16.54"	21.26"
S4	0.5" - 4.5"	0.276"	110.2 lb	143.3 lb	25.2"	18.31"	21.26"

Ready to equip your team with the right orbital tube preparation solution?
Contact SEC Automation to configure your system and receive a quote.



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