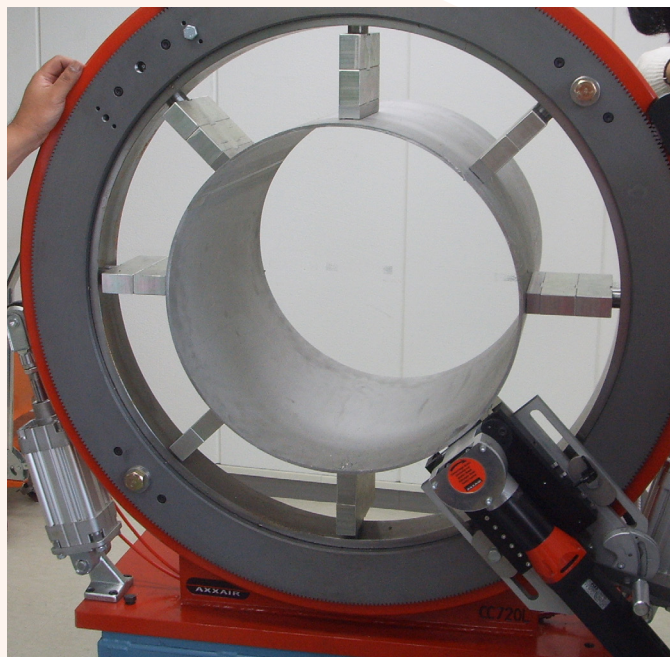# AXXAIR orbital cutting

AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

A proper tube preparation is essential to produce a proper weld.

High quality cutting is guaranteed by AXXAIR's orbital cutting machines. The machines feature stainless steel concentric jaws to prevent the deformation of the tubes.

The perfect position of the tube within the machine also guaranty the perpendicularity of the cut as the saw travels around the tube and the consistency that perpendicularity cut after cut.
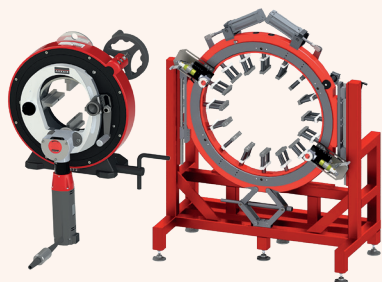

The precision of our cutting machine allow a perfect tube to tube alignement, with the smallest gap possible, removing the need to facing the tube therefore saving a significant amount of time and money.

AXXAIR's orbital cutting machines are an indispensable tool for any automatic and orbital welding.

AXXAIR has the **largest orbital cutting range in the world** !

11 different models to cut tubes from diameter **5 to 1100 mm!**
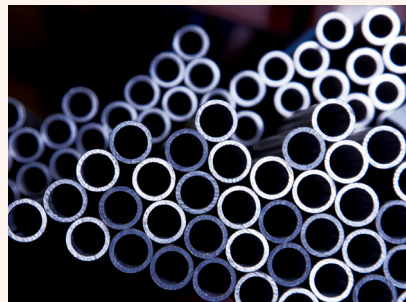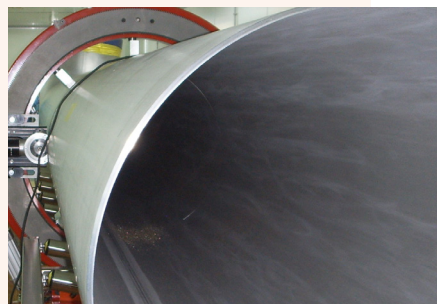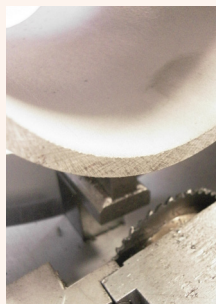
FLEXIBILITY, PRODUCTIVITY
AXXAIR frames are quickly and easily scalable for bevelling and orbital welding.

QUALITY
Cutting with no tube distortion, (multi-contact concentric clamping) ideal for thin walled stainless steel tubes. High quality geometric cutting (perpendicularity of <0.25 mm) and excellent surface quality (few burrs).

PORTABILITY
With the easy to remove sawing attachment, AXXAIR's cutting machines are easy to transport on site or move within a workshop. Perfect preparation for thick tubes before bevelling and welding with wire.

Please do not hesitate to contact us for all enquiries relating to orbital cutting technology.

We are glad to share our decades long experience in orbital cutting and helping you to select the solution that fits your needs.
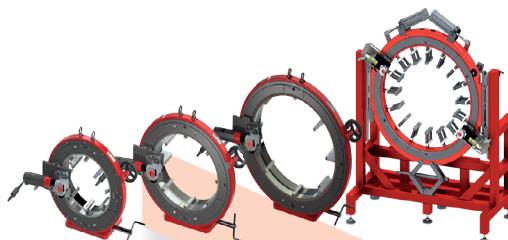
Join experience
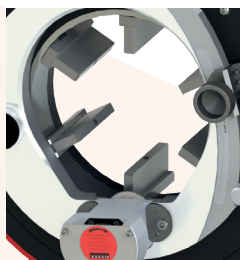
QUALITY
MADE IN FRANCE

421- 521-721-1100

AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

No tube deformation

Concentric clamping

Basic and extra **stainless steel** jaws: no pollution of stainless steel tubes

Cutting precision
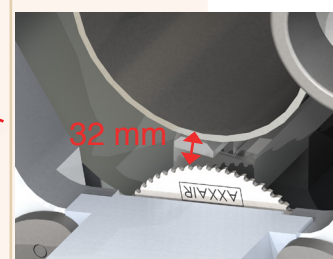
Perpendicular cuts < 0.4 mm

Uptake

feature a dual blade position allowing to cut elbows or flanges with no wasting of tube.

Cutting quality

Rotation handle for controlled and continuous cutting speed
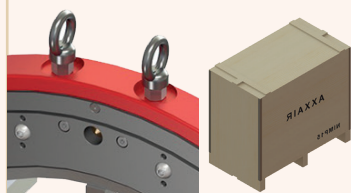
Reduced vibration and increased blade life

Optimised blade to jaw distance

32 mm

Continuous use

Anti-twist cable with bearings.
Protects the electric cable from damage resulting from rotation around the tube.

Easy handling and transportation

*depending on the type of steel

1200W motor or pneumatic motor (as required)

Cutting capacity:
Up to a wall thickness of 15 mm*

Opening capacity	
421	ø212 - ø422 mm 8.625 - 16 "
521	ø312 - ø522 mm 12.75 – 20 "
721	ø447 - ø725 mm 18 – 28"
1100	ø711 - ø1016 mm 28 – 40 "

9

QUALITY
MADE IN FRANCE

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AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

Technical specification:

- Low-speed motor:
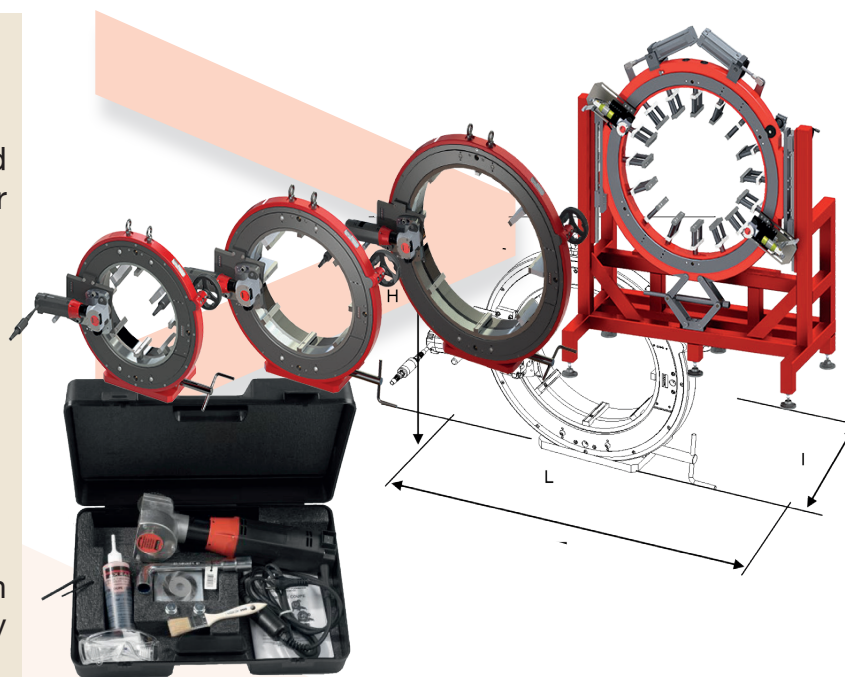120V or 230V, 1200W, electronic speed variator with a cutting compensator

Vibration level in accordance with standard EN 28662: <2.5m/s², Protection class: IP 20

Rotation speed (6 speed variations)
   from 30 RPM to 75 RPM

- Pneumatic motor:
60 to 110 rpm, air flow 1500 l/min at 6 bar

All motors are supplied in their own individual cases, including the necessary tools.

	Product Code	Machine's jaw opening capacity in mm		Net weight	Dimensions (HxLxW in mm)
		With basic jaws	**With extra jaws (included)**		
120V 1200W low-speed motor	421FS15	Ø350 - Ø422	Ø212 - Ø352	186 kg	802x838x315
	521FS15	Ø450 - Ø522	Ø312 - Ø452	223 kg	905x889x315
	721FS15	Ø653 -Ø725	Ø447 - Ø654	256 kg	1104x1077x315
230V 1200W low-speed motor	421FS25	Ø350 - Ø422	Ø212 - Ø352	186 kg	802x838x315
	521FS25	Ø450 - Ø522	Ø312 - Ø452	223 kg	905x889x315
	721FS25	Ø653 -Ø725	Ø447 - Ø654	256 kg	1104x1077x315
Pneu-matic motor	421PD	Ø350 - Ø422	Ø212 - Ø352	186 kg	802x838x315
	521PD	Ø450 - Ø522	Ø312 - Ø452	223 kg	905x889x315
	721PD	Ø653 -Ø725	Ø447 - Ø654	256 kg	1104x1077x315
	1100	On request			

QUALITY MADE IN FRANCE