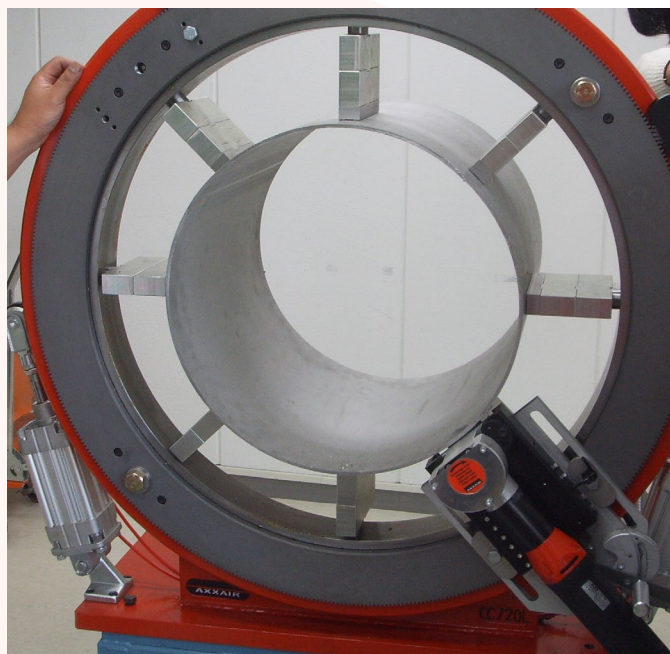


AXXAIR's orbital cutting

AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

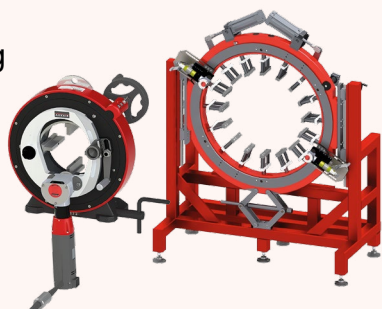
High quality cutting is guaranteed by orbital cutting machines, where the saw blade rotates around the tube.

This allows the tube geometry to remain intact: the tube is not distorted by clamping (stainless steel concentric jaws) or by cutting forces, as the blade follows the tube section and the tube does not rotate.



Orbital cutting is well suited to automatic welding, as it allows the seam to be closed cleanly providing a perfect seal for the penetration phase before adding the wire.

AXXAIR has the **largest orbital cutting range in the world** with 11 different models for cutting tubes with diameters from **5 to 1100 mm!**



FLEXIBILITY, PRODUCTIVITY

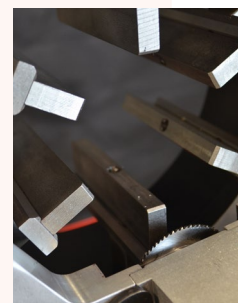
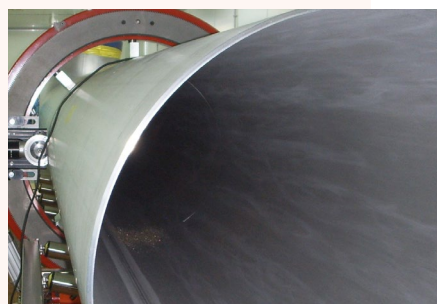
AXXAIR frames are quickly and easily scalable for bevelling and orbital welding.

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 (limited burring).

PORTABILITY

Portable machines, which are easy to move and can be used both on site or in a workshop. Perfect preparation for thick tubes before bevelling and welding with filler wire.



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

We will be glad to share our know-how with you and to devise a solution that best meets your needs!



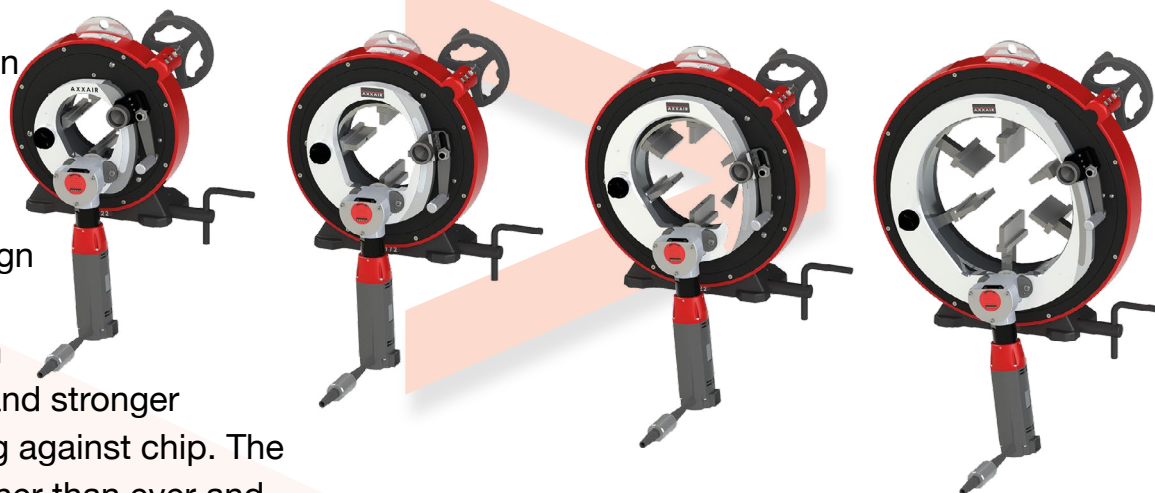
NEW PRODUCTS

in the CCx22 orbital cutting range

AXXAIR

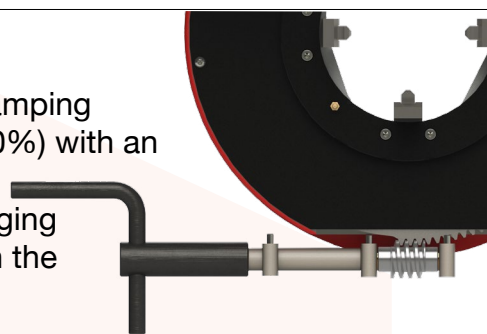
INNOVATIVE ORBITAL SOLUTIONS

Customer satisfaction and our continuous improvement policy have led our developers to redesign part of our cutting programme. The aim is to provide easier and stronger clamping and sealing against chip. The level of quality is higher than ever and stability has been improved.



Robustness

A more effective clamping system (+30%) with an endless screw engaging directly with the cam lock.



Easy handling

Introduction of a lifting eye for use in a workshop or on site.

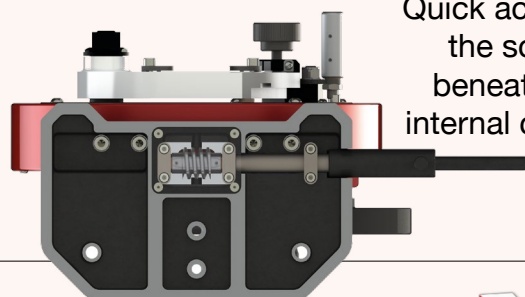


Easy maintenance and inspection

The internal clamping components are lubricated using a greaser

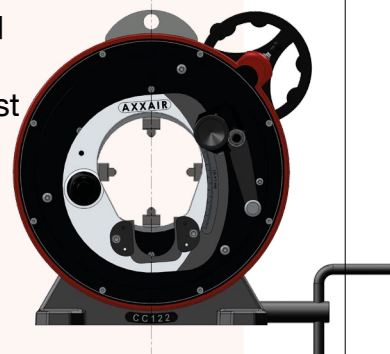
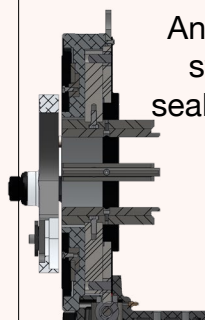


Quick access to the screw beneath the internal cowling

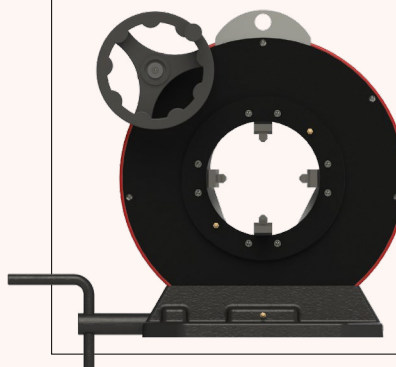


A perfect seal against chips

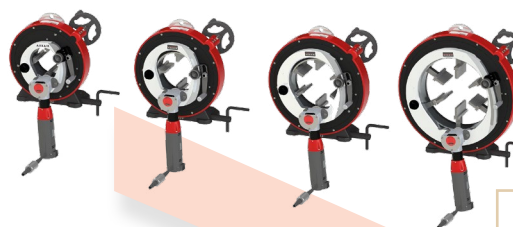
An improved system of sealing against chip



All rotating parts are incorporated into the body.



122 - 172 - 222 - 322



AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

No tube distortion

Concentric clamping



Stainless steel basic
and
auxiliary jaws as
standard

Cutting quality

Rotation handle as
standard

Uptake

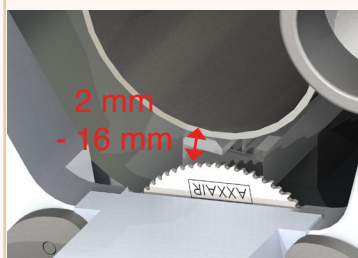
Dual output cutting
motor
with 2 blade
positions

Cutting precision

Perpendicularity of
< 0.25 mm

**Reduced vibration
and increased blade
life**

Optimised blade to jaw
distance



**1200W or
pneumatic motor**
(as required)

Cutting capacity:

Up to a wall
thickness of 12.7
mm

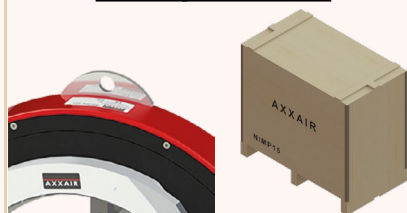
Scalability

Can be transformed
into an orbital
bevelling and welding
machine

Continuous use

Electric rotary seal with
anti-twist cable

**Easy handling and
transportation**



Cutting range

122	ø5 - ø119 mm 0.25 - 4.5 "
172	ø16 - ø173 mm 0.625 - 6.625 "
222	ø55 - ø228 mm 2.375 - 8.625 "
322	ø141 - ø328 mm 5.563 - 12.750 "



122- 172 - 222- 322

Technical specification:

- Low-speed motor:

120V or 230V, 1200W, electronic speed variator with a cutting compensator

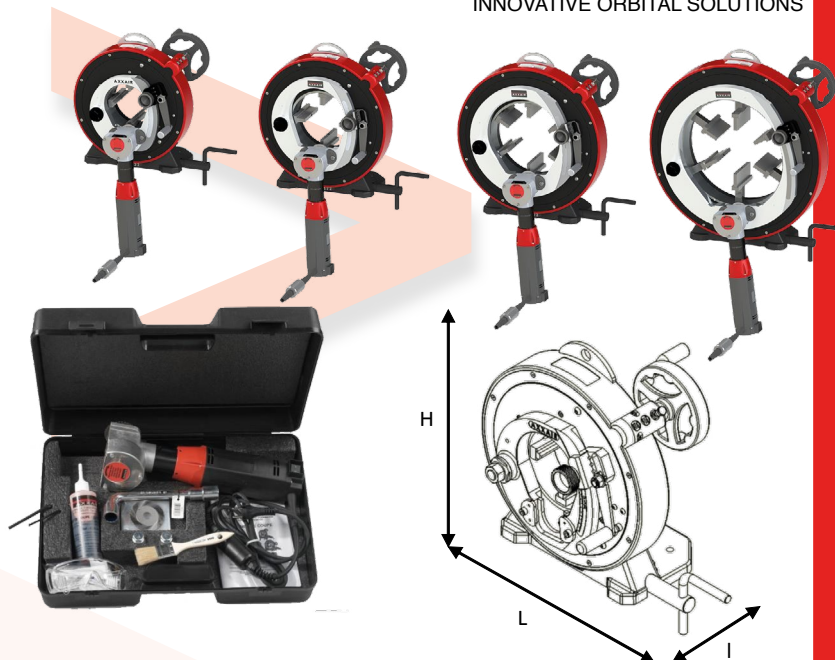
Vibration level in accordance with standard EN 28662: <2.5m/s², Protection class: IP 20

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	Tube cutting machine for the following diameters (in mm):		Net weight	Customs Code	Dimensions (HxLxW in mm)
		With basic jaws	With extra jaws (included)			
120V 1200W low-speed motor	NEW 122FS15	Ø29 - Ø119	Ø5 - Ø99	44 kg	846150 9000	443 x 541 x 304
	NEW 172FS15	Ø74 - Ø173	Ø16 - Ø116	51 kg		493 x 566 x 304
	NEW 222FS15	Ø128 - Ø228	Ø55 - Ø155	59 kg		548 x 594 x 304
	NEW 322FS15	Ø230 - Ø328	Ø141 - Ø239	71 kg		649 x 644 x 304
230V 1200W low-speed motor	NEW 122FS25	Ø29 - Ø119	Ø5 - Ø99	44 kg	846150 9000	443 x 541 x 304
	NEW 172FS25	Ø74 - Ø173	Ø16 - Ø116	51 kg		493 x 566 x 304
	NEW 222FS25	Ø128 - Ø228	Ø55 - Ø155	59 kg		548 x 594 x 304
	NEW 322FS25	Ø230 - Ø328	Ø141 - Ø239	71 kg		649 x 644 x 304
Pneumatic motor	NEW 122PD	Ø29 - Ø119	Ø5 - Ø99	44 kg	846150 9000	443 x 541 x 304
	NEW 172PD	Ø74 - Ø173	Ø16 - Ø116	51 kg		493 x 566 x 304
	NEW 222PD	Ø128 - Ø228	Ø55 - Ø155	59 kg		548 x 594 x 304
	NEW 322PD	Ø230 - Ø328	Ø141 - Ø239	71 kg		649 x 644 x 304