

AXXAIR Orbital cutting

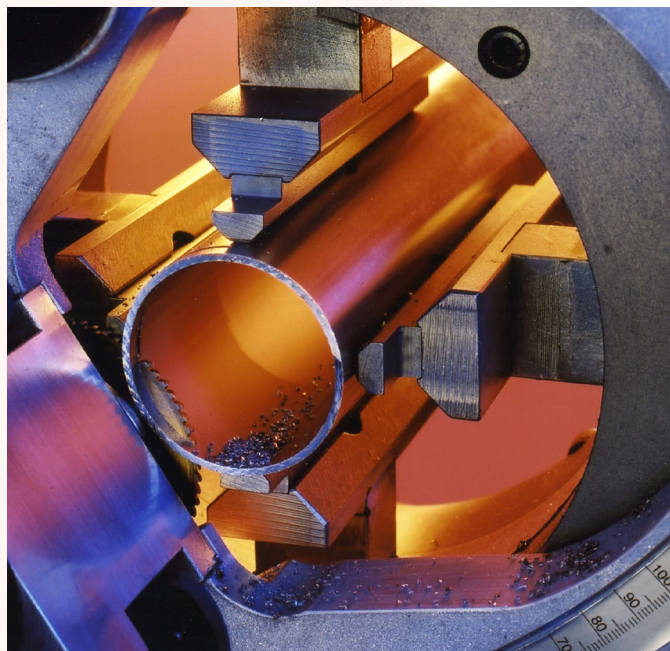
AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

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

AXXAIR's orbital cutting machines feature stainless steel concentric jaws to prevent the deformation of the tubes, especially the one with thin walls, during clamping.

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.

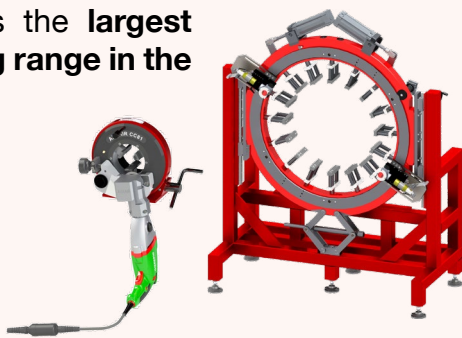


The precision of our cutting machine allow a perfect tube to tube alignment with the smallest gap possible, removing the need to facing the tube therefore saving a significant amount of time and money.

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

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

11 different models to cut tubes from diameter 5 to 1100 mm !



FLEXIBILITY, PRODUCTIVITY

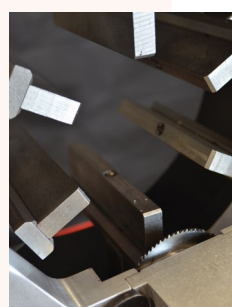
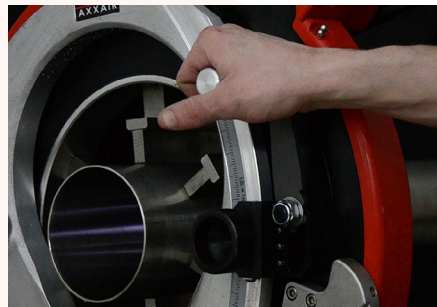
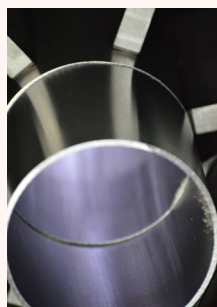
AXXAIR frames (except CC81, CC121ECO and 171ECO) are easily scalable for beveling and welding use.

QUALITY, GEOMETRIC PRECISION

Cutting with no tube distortion (multi-contacts concentric clamping) ideal for thin wall stainless steel tubes. Great perpendicularity (<0.25 mm) of the cut and superb surface finish (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.



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.





The ECO Cutting range

81M - 121ECO - 171ECO

For more than 20 years AXXAIR has been developing scalable, flexible and reliable machines featuring our patented concentric clamping design and many other functions.

The frames of our cutting machines 122 - 322 can be fitted with a cutting motor, a bevelling motor or with a TIG welding torch.

Our ECO range differs from this concept and is specialized in cutting thin wall tubes. It offers the same quality of cut than the CC 122 - 322 range in a more affordable package for customers who do not need to bevel or weld with the same machine.

We developed the ECO cutting range in order to respond to these users looking simply for a cutting solution for thin tubes.

Machines dedicated to thin tubes < 5 mm wall thickness*

Easy to move around and lightweight

Attractive prices

AXXAIR choose Metabo to power our ECO range because of the large speed range and higher torque matching the requirements for cutting stainless steel thin wall tubes.

The handle of the Metabo power unit also makes easy and convenient to rotate the blade around the tube.

Our 121 and 171ECO range share the same safe and efficient diameter setting and blade penetration unit than our CC range.

The ECO range comes in a more affordable package but still features most of the designs that made our more advanced CC range so popular among the industry.

Because our ECO range is dedicated to cutting, some of the upgrades and accessories available on the CC range like automatic rotation or automatic clamping are not available for this type of cutting machines.

For more details, accessories and the references please see the following pages of this catalogue.



*depending on the type of steel



Join **experience**



81M - 121ECO - 171ECO

AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

No tube deformation

Concentric clamping system



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

Cutting precision

Perpendicular cuts
< 0.25 mm

Operator safety feature

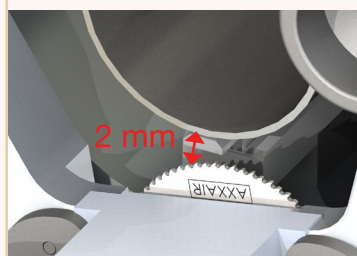
Penetration check feature

Uptake

121ECO +171ECO: feature a dual blade position allowing to cut elbows or flanges with no wasting of tube.

Limited vibration and tube distortion

Optimised blade to jaws distance



Motor 1300W

Speed adjustment through gearbox and electronic variator

Cutting capacity:

Up to 5 mm wall thickness*



Easy handling and transportation



Continuous use

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

Opening capacity

81M	$\varnothing 5 - \varnothing 78$ mm 0.25 – 3 "
121ECO	$\varnothing 5 - \varnothing 121$ mm 0.25 – 4.5 "
171ECO	$\varnothing 16 - \varnothing 170$ mm 0.625 – 6.625 "

*depending on the type of steel

81M - 121ECO - 171ECO

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

Technical features :

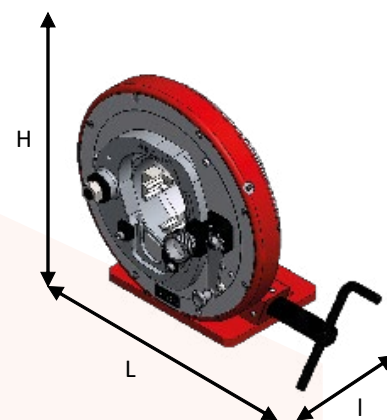
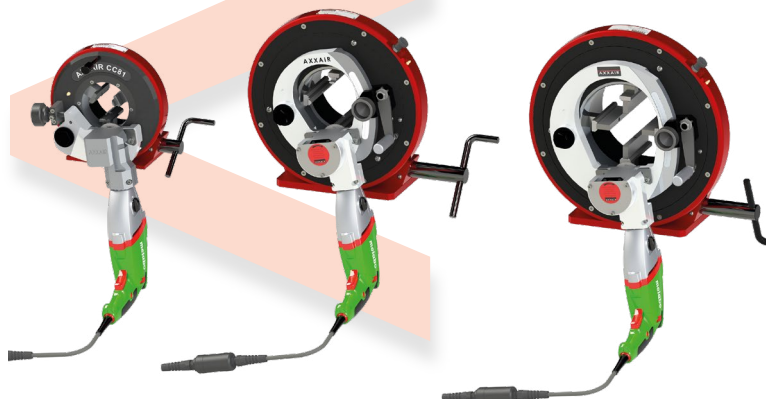
With the Metabo power unit, our ECO range features a large range of blade rotation speed and the right torque for cutting stainless steel thin wall tubes.

Electric motor 1300W:

- Mechanical gearbox and electric speed variator
- 50/60 HZ
- single-phase motor

Exept the 81M, all the machines' cutting motors are shipped in a convenient carrying case together with all necessary tools for operating the machine.

Because of it's small form and low weight, the 81M cutting motor and the tools are included in the machine's transport case.



	Product Code	Machine's jaw opening capacity in mm		Net weight	Dimensions (HxLxw in mm)
		With basic jaws	With extra jaws (included)		
120V 1300W	81M11	Ø5 - Ø78	-	15 kg	263 x 346 x 236
	121ECO1	Ø24 - Ø121	Ø5 - Ø108	38 kg	432 x 520 x 297
	171ECO1	Ø70 - Ø170	Ø16 - Ø118	44 kg	453 x 550 x 307
230V 1300W	81M21	Ø5 - Ø78	-	15 kg	263 x 346 x 236
	121ECO2	Ø24 - Ø121	Ø5 - Ø108	38 kg	432 x 520 x 297
	171ECO2	Ø70 - Ø170	Ø16 - Ø118	44 kg	453 x 550 x 307



122 - 172 - 222 - 322

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INNOVATIVE ORBITAL SOLUTIONS

No tube deformation

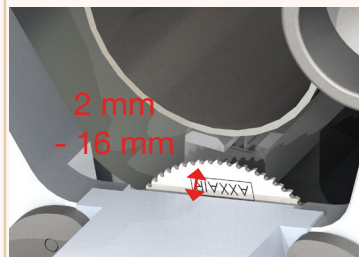
Concentric clamping



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

**Reduced vibration
and increased blade
life**

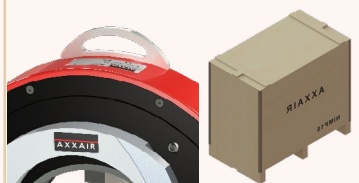
Optimised blade to jaw
distance



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

Cutting capacity:
Up to 5 mm wall thick-
ness*

**Easy handling and
transportation**



*depending on the type of steel

Cutting precision

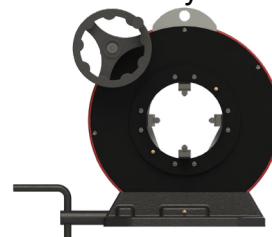
Perpendicularity of
< 0.25 mm

Cutting quality

Rotation handle for
controlled and contin-
uous cutting speed

**A perfect sealing
against chips**

All rotating parts are
incorporated in the
body



Global Process

Can be transformed
into an orbital bevelling
and welding machine

Uptake

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

Continuous use

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

Opening capacity

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


AXXAIR
 INNOVATIVE ORBITAL SOLUTIONS

Technical features:

- Fast speed motor:

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

Vibration level according to EN 28662 norm : <2.5m/s², protection class : IP 20
Rotation speed (6 speed variations): from 95 RPM to 280 RPM

- Pneumatic motor:

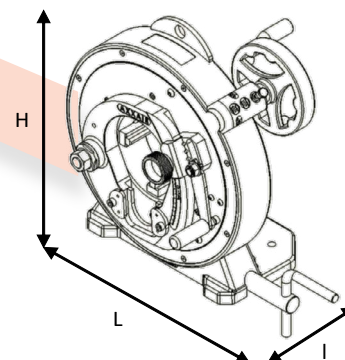
60 to 110 rpm, air flow rate 1500 l/min at 6 bar.

- Robustness:

Very efficient clamping system thanks to a screw without end directly engaged on the clamping cam.

- Easy maintenance and control:

Lubrication of the inner parts with the grease nipples



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 fast motor	122FS19	Ø29 - Ø119	Ø5 - Ø99	44 kg	443 x 541 x 304
	172FS19	Ø74 - Ø173	Ø16 - Ø116	51 kg	493 x 566 x 304
	222FS19	Ø128 - Ø228	Ø55 - Ø155	59 kg	548 x 594 x 304
	322FS19	Ø230 - Ø328	Ø141 - Ø239	71 kg	649 x 644 x 304
230V 1200W fast motor	122FS29	Ø29 - Ø119	Ø5 - Ø99	44 kg	443 x 541 x 304
	172FS29	Ø74 - Ø173	Ø16 - Ø116	51 kg	493 x 566 x 304
	222FS29	Ø128 - Ø228	Ø55 - Ø155	59 kg	548 x 594 x 304
	322FS29	Ø230 - Ø328	Ø141 - Ø239	71 kg	649 x 644 x 304
Pneu- matic motor	122PD	Ø29 - Ø119	Ø5 - Ø99	44 kg	443 x 541 x 304
	172PD	Ø74 - Ø173	Ø16 - Ø116	51 kg	493 x 566 x 304
	222PD	Ø128 - Ø228	Ø55 - Ø155	59 kg	548 x 594 x 304
	322PD	Ø230 - Ø328	Ø141 - Ø239	71 kg	649 x 644 x 304



421- 521-721-1100

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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

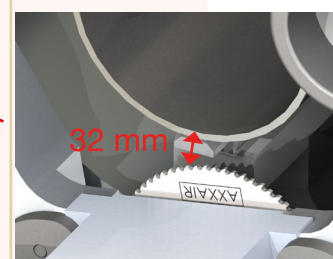
feature a dual blade
position allowing to cut
elbows or flanges with
no wasting of tube.

Cutting quality

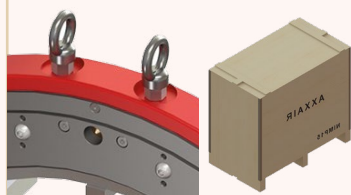
Rotation handle for
controlled and contin-
uous cutting speed

**Reduced vibration
and increased
blade life**

Optimised blade to jaw
distance

**Continuous use**

Anti-twist cable with
bearings.
Protects the electric ca-
ble from damage result-
ing from rotation around
the tube.

**Easy handling and
transportation**

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

Cutting capacity:
Up to a wall thickness of 5 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 "

*depending on the type of steel



421- 521-721-1100

Technical features:

- Fast motor:

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

Vibration level according to EN 28662 norm :

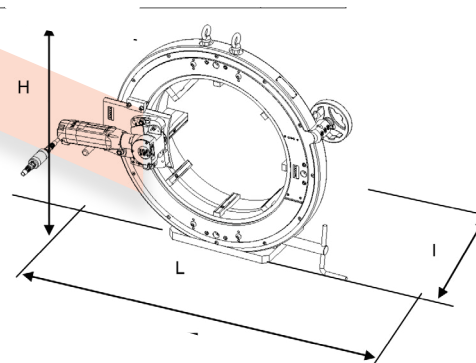
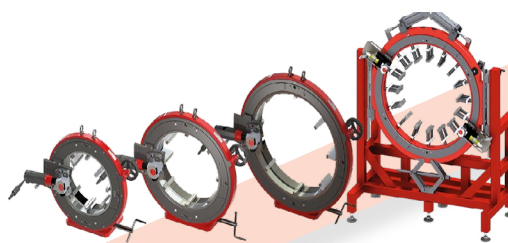
<2.5m/s², protection class : IP 20

Rotation speed (6 speed variations): from 95 RPM to 280 RPM

- Pneumatic motor:

60 to 110 rpm, air flow rate 1500 l/min at 6 bar

All motors are delivered in their individual case, including the necessary tools



AXXAIR
INNOVATIVE ORBITAL SOLUTIONS

	Product Code	Machine's jaw opening capacity in mm		Net weight	Dimensions (HxLxw in mm)
		With basic jaws	With extra jaws (included)		
120V 1200W fast motor	421FS19	Ø350 - Ø422	Ø212 - Ø352	186 kg	802x838x315
	521FS19	Ø450 - Ø522	Ø312 - Ø452	223 kg	905x889x315
	721FS19	Ø653 - Ø725	Ø447 - Ø654	256 kg	1104x1077x315
230V 1200W fast motor	421FS29	Ø350 - Ø422	Ø212 - Ø352	186 kg	802x838x315
	521FS29	Ø450 - Ø522	Ø312 - Ø452	223 kg	905x889x315
	721FS29	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 demand			



Orbital cutting - Accessories

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

Our support legs and stands have been designed to further facilitate cutting by ensuring that the machine is stable in different conditions: in a workshop or on site.

The great advantages of these products:

- lightness
- flexible handling
- easy to use



Product Code	Description	Net Weight	Dimensions (in cm)
CCPS21	Support feet	10 kg	103 x 32 x 11
Support legs for orbital cutting machine:			
- quick assembling and dismantling		- storage box at the back	
- height adjustment with screws		- optimum stability	

81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Product Code	Description	Net Weight	Dimensions (in cm)
CCSER1	Simple stand	10 kg	60 x 26 x 10
Simple stand for supporting tubes with height adjustment:			
- quick assembling and dismantling			
- height adjustment			

✓81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Product Code	Description	Net Weight	Dimensions (in cm)
CCSER2	Stand (with chrome steel bearings)	11 kg	60 x 26 x 10
<u>Stand with chrome steel bearings for supporting tubes with height adjustment:</u>			
- easy assembling and dismantling		- facilitates tube feeding after each cut	
- height adjustment			

✓81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Orbital cutting - Accessories

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

Our support benches help you to position and feed your tubes without the aid of stands. The height-adjustable table helps you easily and precisely set the height of your machine, for cutting tubes placed on the support bench.

The additional tube support bench allows you to position your longest tubes in a stable manner on all benches.

We also recommend that you support the cut section in front of your cutting machine using one or more additional benches, depending on the length of the tube.



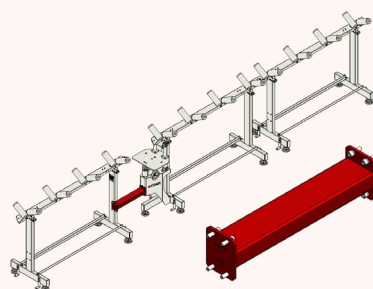
Product Code	Description	Net Weight	Dimensions (in cm)
CCBSB-X1	Bench with height adjustment	57 kg	184 x 95 x 51
Height-adjustable support bench, 1.5m - stainless steel rollers - handle for height adjustment - 1.5 m long - maximum load: 350 kg - ø min pipe: 5 mm - ø max pipe: 321 mm - compatible with machines 121 to 321			

81	✓ 121ECO	✓ 171ECO	✓ 122	✓ 172	✓ 222	✓ 322	421	521	721	1100
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Product Code	Description	Net weight	Dimensions (in cm)
CCBSB-X2	Additional 1.5 m bench	38 kg	150 x 95 x 51
Additionnal support bench: - stainless steel rollers - 1.5 m long - maximum load 350 kg uniformly distributed - ø min pipe : 5 mm - ø max pipe: 321 mm - compatible with machines 121 to 321			

81	✓ 121ECO	✓ 171ECO	✓ 122	✓ 172	✓ 222	✓ 322	421	521	721	1100
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Product Code	Description	Net Weight	Dimensions (in mm)
CCBSB-B005	Connection	3 kg	100 x 80 x 402
Connecting bar for CCBSB-X1 and CCBSB- X2: - Allows the height-adjustable table to be connected to a bench placed in front of the machine			

81	✓ 121ECO	✓ 171ECO	✓ 122	✓ 172	✓ 222	✓ 322	421	521	721	1100
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Orbital cutting - Accessories (End stop)

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

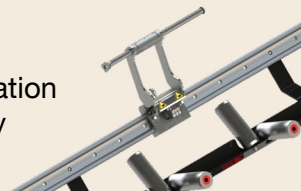
In addition to our CCBB-X1 and CCBB-X2 benches, we offer benches with an end stop system. These stops are very simple to use and avoid all measurement errors.

No pollution of the tube:

All parts that are in contact with the tube are made of stainless steel (the rollers but also the stop finger)

Retractable stop:

In order to facilitate the evacuation of the cut, the stop is manually retractable.



- Lengths available:

1500 - 3000 - 4500 - 6000 - 7500 and 9000 mm

- Working stroke: Length - 200 mm

- Delivered by module of 1500mm to be put together

- Max load per module: 350 kg (evenly distributed)

- Max push on the stop: 10 kg

- Operating temperature: 0 - 50 ° C

- Relative humidity: 35 - 85%

They can be assembled on the **feed-in or feed-out** section of the cutting machine

They are available **with a ruler or with an LCD display**.

Feed-in assembly



LCD display

Possibility of selecting the direction of counting, the position of the decimal point, the unit of measurement (mm or inches), reset / preset of the measurement, absolute / relative dimension.

- Battery powered. Lifetime of about 4 years.

The discharged battery icon appears when battery replacement is required.

Replacement is easily done without loss of the value and configuration parameters.

- Resolution 0.1 mm



Feed-out assembly

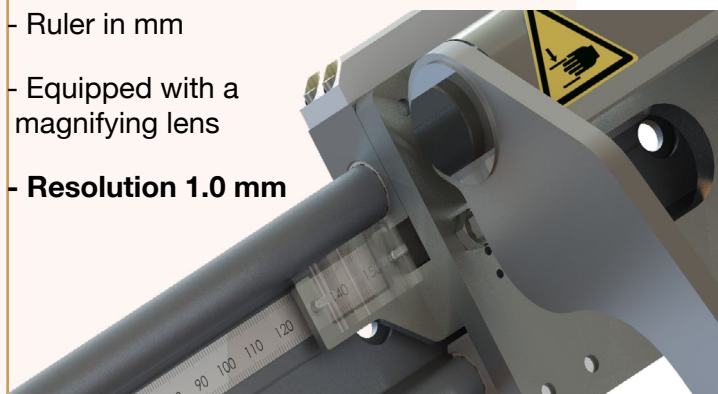


Ruler

- Ruler in mm

- Equipped with a magnifying lens

- Resolution 1.0 mm



81

✓121ECO

✓171ECO

✓122

✓172

✓222

✓322

421

521

721

1100



Orbital cutting - Accessories (End stop)

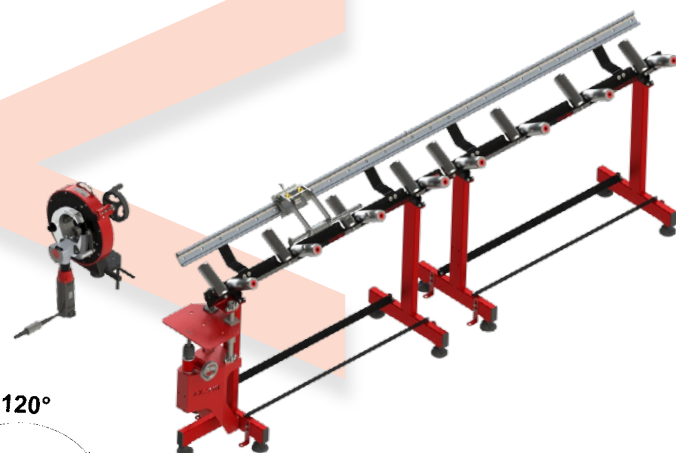
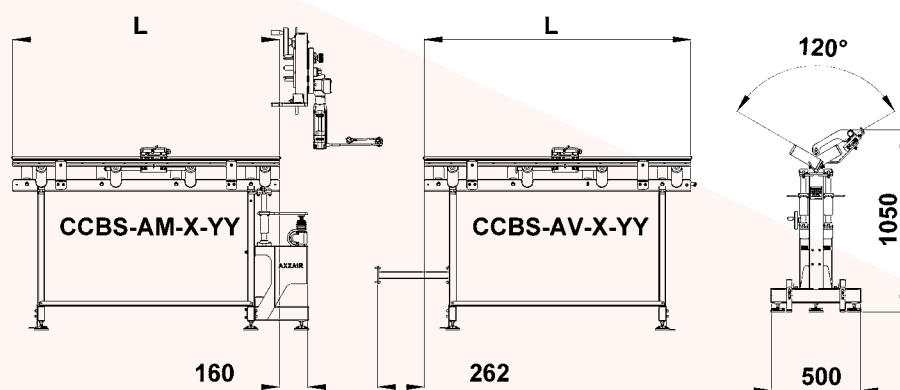
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INNOVATIVE ORBITAL SOLUTIONS

Feed-in assembly

The parts are delivered unassembled in transport boxes, per module of 1,5 m.

They must be assembled, aligned and fixed to the ground. The magnetic ruler (with LDC display) or the ruler must be glued at the end of the assembly.



The system is delivered with the height-adjustable support bench (CCBSB-X1), additional support benches, the starting end stop module and its extensions.

Assembly		Reader		Length (in mm)		Working stroke (in mm)		Product code			Net weight	
on the feed-in section of the cutting line		Ruler		1500		1300		CCBSB-AM-R-15			65 kg	
				3000		2800		CCBSB-AM-R-30			104 kg	
				4500		4300		CCBSB-AM-R-45			143 kg	
				6000		5800		CCBSB-AM-R-60			163 kg	
				7500		7300		CCBSB-AM-R-75			200 kg	
				9000		8800		CCBSB-AM-R-90			238 kg	
		LCD display		1500		1300		CCBSB-AM-D-15			65 kg	
				3000		2800		CCBSB-AM-D-30			104 kg	
				4500		4300		CCBSB-AM-D-45			143 kg	
				6000		5800		CCBSB-AM-D-60			163 kg	
				7500		7300		CCBSB-AM-D-75			200 kg	
				9000		8800		CCBSB-AM-D-90			238 kg	
81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100		

You can add CCBBSB-X2 modules to support the tube after the cutting process (in front of the cutting machine) with the CCBSB-B005 connecting bar (see previous pages).



Orbital cutting - Accessories (End stop)

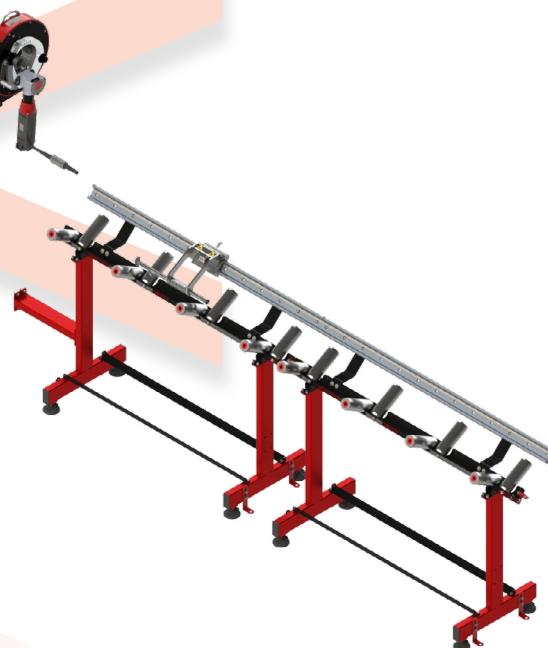
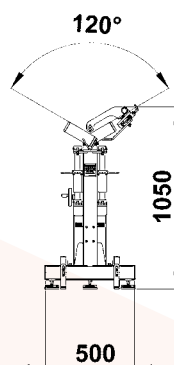
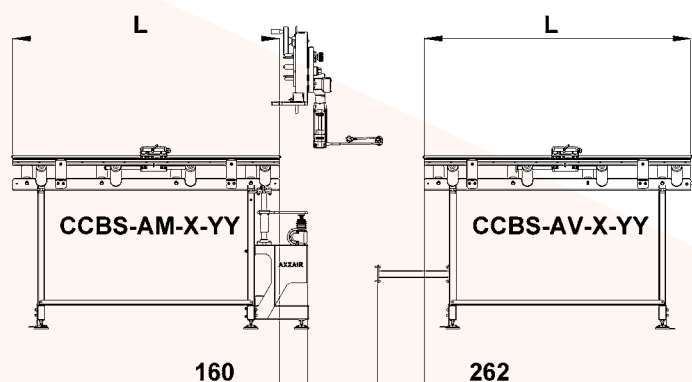
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INNOVATIVE ORBITAL SOLUTIONS

Feed-out assembly

The parts are delivered unassembled in transport boxes, per module of 1,5 m.

They must be assembled, aligned and fixed to the ground. The magnetic ruler (with LDC display) or the ruler must be glued at the end of the assembly.



The system comes with: CCBSB-X2 support bench modules, the starting end stop module and its extensions, the CCBSB-B005 connecting bar.

Attention: For all references with AV (bench with end stop on the feed-out section) we must also deliver at least one CCBSB-X1 bench (height-adjustable support bench) to support the cutting machine.

Assembly		Reader		Length (in mm)		Working stroke (in mm)		Product code			Net weight
on the feed-out section of the cutting line		Ruler		1500		1300		CCBSB-AV-R-15			46 kg
				3000		2800		CCBSB-AV-R-30			85 kg
				4500		4300		CCBSB-AV-R-45			124 kg
				6000		5800		CCBSB-AV-R-60			163 kg
				7500		7300		CCBSB-AV-R-75			201 kg
				9000		8800		CCBSB-AV-R-90			240 kg
		LCD display		1500		1300		CCBSB-AV-D-15			46 kg
				3000		2800		CCBSB-AV-D-30			85 kg
				4500		4300		CCBSB-AV-D-45			124 kg
				6000		5800		CCBSB-AV-D-60			163 kg
				7500		7300		CCBSB-AV-D-75			201 kg
				9000		8800		CCBSB-AV-D-90			240 kg
81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100	



Orbital cutting - Accessories

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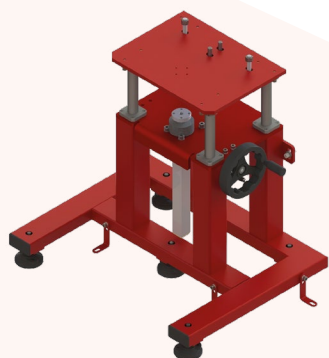
INNOVATIVE ORBITAL SOLUTIONS

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We also recommend that you support the cut section in front of your cutting machine using one or more additional benches, depending on the length of the tube.

These products are available on request



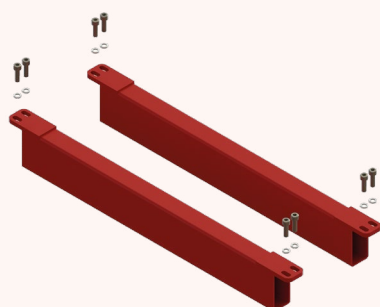
Product Code	Description	Net weight	Dimensions (in mm)
CCBSB2-003	Height-adjustable table	53.5 kg	75 x 73 x 54
Height-adjustable table for 422 / 521 / 721:			
- adjustable table height		- optimum stability	

81	121ECO	171ECO	122	172	222	322	✓421	✓521	✓721	1100
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Product Code	Description	Net Weight	Dimensions (in mm)
CCBSB2-004	Support bench	72.8 kg	97 x 71 x 150
Tube support bench for 422 / 521 / 721:			
- quick assembly and dismantling		- 1.5 m long	
- height adjustment		- optimum stability	

81	121ECO	171ECO	122	172	222	322	✓421	✓521	✓721	1100
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Product Code	Description	Poids net	Dimensions (en mm)
CCBSB2-005	Connecting bar	6.5 kg	8.5 x 4 x 65
Connecting bar between two CCBSB2 support benches:			
- quick assembly and dismantling		- ensures optimum stability	

81	121ECO	171ECO	122	172	222	322	✓421	✓521	✓721	1100
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Orbital cutting - Accessories

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

New autoline electric rotation:

Measures and displays the cutting/bevelling motor's power consumption

- enables the motor and cycle to be stopped in the event of overconsumption

- protects the motor and frees the operator from watching the machine

- detects whether the motor is straining and whether the blade is worn

3.5 colour touch-screen allowing you to:

- enter the diameter and precisely adjust the feed speed in mm/min
- aid adjustment with a suggested motor speed and feed speed based on the type of material and the blade used
- perform quick and easy configuration
- display the cutting/bevelling motor's consumption
- display in English, French or German
- choose the unit of measure: mm or inch

Welding mode with prefab machine and SAXX power source : 4-button display (Start, Stop, Left, Right) with the addition of a power source connection cable

(Ref. SAEX-A02 for addition, more details in the "ORBITAL WELDING" section of this catalogue)

This rotation is compatible with our previous **121, 171, 221, 321, 421, 521 and 721** models.

The previous SAEP-00/000 rotation cannot be fitted to our new 122, 172, 222 and 322 models.



Product Code	Description	Net Weight	Dimensions (in mm)
SAEX-00	Autoline electric rotation	6.3 kg	320 x 261x 193
Autoline electric inverter for CC122 to 322:			
- 110 V to 230 V		- easy to use	
- even rotation		- precise adjustment	

81	121ECO	171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Product Code	Description	Net Weight	Dimensions (in mm)
SAEX-000	Autoline electric rotation	6.3 kg	320 x 261x 193
Autoline electric inverter for CC421 to 721:			
- 110 V to 230 V		- easy to use	
- even rotation		- precise adjustment	

81	121ECO	171ECO	122	172	222	322	✓421	✓521	✓721	1100
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NEW

Accessories (electric clamping)

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS



You realize **important series** in your company and want to be more effective during your projects?

Our electric clamping is the ideal answer for the preparation and / or welding of your tubes.

The electric clamping makes it possible to carry out a **repetitive and constant force tightening** on tubes with identical diameters and thicknesses.

The **clamping force is adjustable**, it prevents the tubes from being deformed or marked.

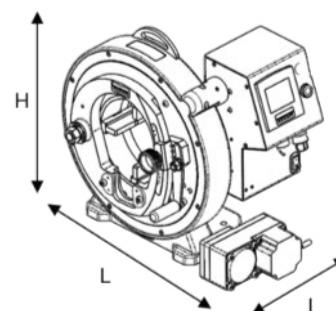
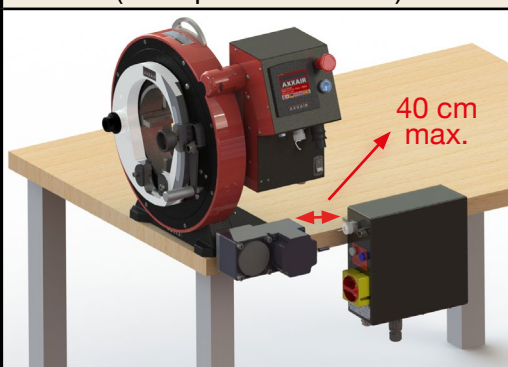
Technical specifications:

- 24Vdc brushless motor, motor torque: 34N.m
- Tightening force on the tube: 850 kg maximum, adjustable from 15 to 100%
- Clamping speed: 86 mm / min (diameter)
- The electric clamping is sold with the body frame and the automatic rotation

Fixation on an AXXAIR support bench



Fixation on an other support (example: workbench)



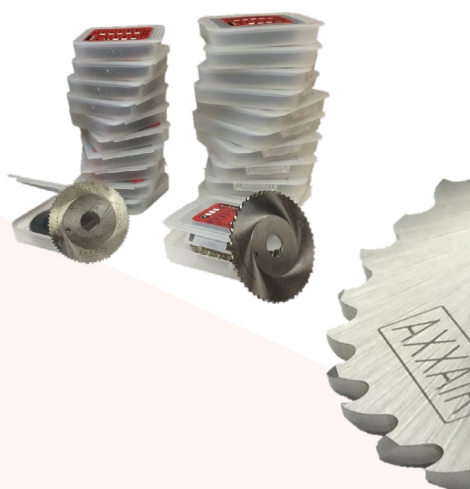
Product code	Body frame, automatic rotation and electric clamping Machine's jaw opening capacity in mm		Net weight	Dimensions (HxLxI in mm)
	With basic jaws	With extra jaws (included)		
122-AU	Ø29 - Ø119	Ø5 - Ø99	51 kg	470 x 498 x 359
172-AU	Ø74 - Ø173	Ø16 - Ø116	58 kg	520 x 530 x 359
222-AU	Ø128 - Ø228	Ø55 - Ø155	66 kg	575 x 575 x 359
322-AU	Ø230 - Ø328	Ø141 - Ø239	80 kg	675 x 662 x 359

Caution: Remember to order one or more motors (cutting, beveling or welding torch) and the consumables needed with the sets listed above.

Orbital cutting - Consumables

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS



Orbital cutting blades

High quality blades (HSS + Cobalt) sold in boxes of 5:

- The tooth pitch & design are essential for chip evacuation, in order to achieve a high quality cut. AXXAIR has produced the most efficient blade design possible for various cutting applications.
- Often preferred to our competitors' blades, AXXAIR blades are compatible with the majority of other orbital cutting machines.

Product Code	Cutting tubes with wall thickness of		ø of the blade	Number of teeth
LS63128	0,5 to 0,9 mm	,02 - ,04"	63 mm	128
LS63100	0,7 to 1,5 mm	,03 - ,06"	63 mm	100
LS6364	1 to 3 mm	,04 - ,12"	63 mm	64
LS6872	1 to 3 mm	,04 - ,12"	68 mm	72
LS6844	2 to 7mm	,08- ,28"	68 mm	44
LS8080	1 to 3 mm	,04 - ,12"	80 mm	80
LS8054	2 to 7 mm	,08- ,28"	80 mm	54

✓ 81 ✓ 121ECO ✓ 171ECO ✓ 122 ✓ 172 ✓ 222 ✓ 322 ✓ 422 ✓ 521 ✓ 721 ✓ 1100



Product Code	Description	Volume
CCLUH	Liquid lubricant	250 ml

High performance oil lubricant, sold in packs of 5:

- Recommended for all FS cutting motors
- Safety data sheet available on request

81 121ECO 171ECO ✓ 122 ✓ 172 ✓ 222 ✓ 322 ✓ 422 ✓ 521 ✓ 721 ✓ 1100



Product Code	Description	Volume
CCLUP	Paste lubricant	250 ml

Paste lubricant, sold in packs of 5 lubricants-tubes:

- Recommended for metabo motors
- Safety data sheet available on request

✓ 81 ✓ 121ECO ✓ 171ECO 122 172 222 322 422 521 721 1100

1 machine - 3 applications

AXXAIR

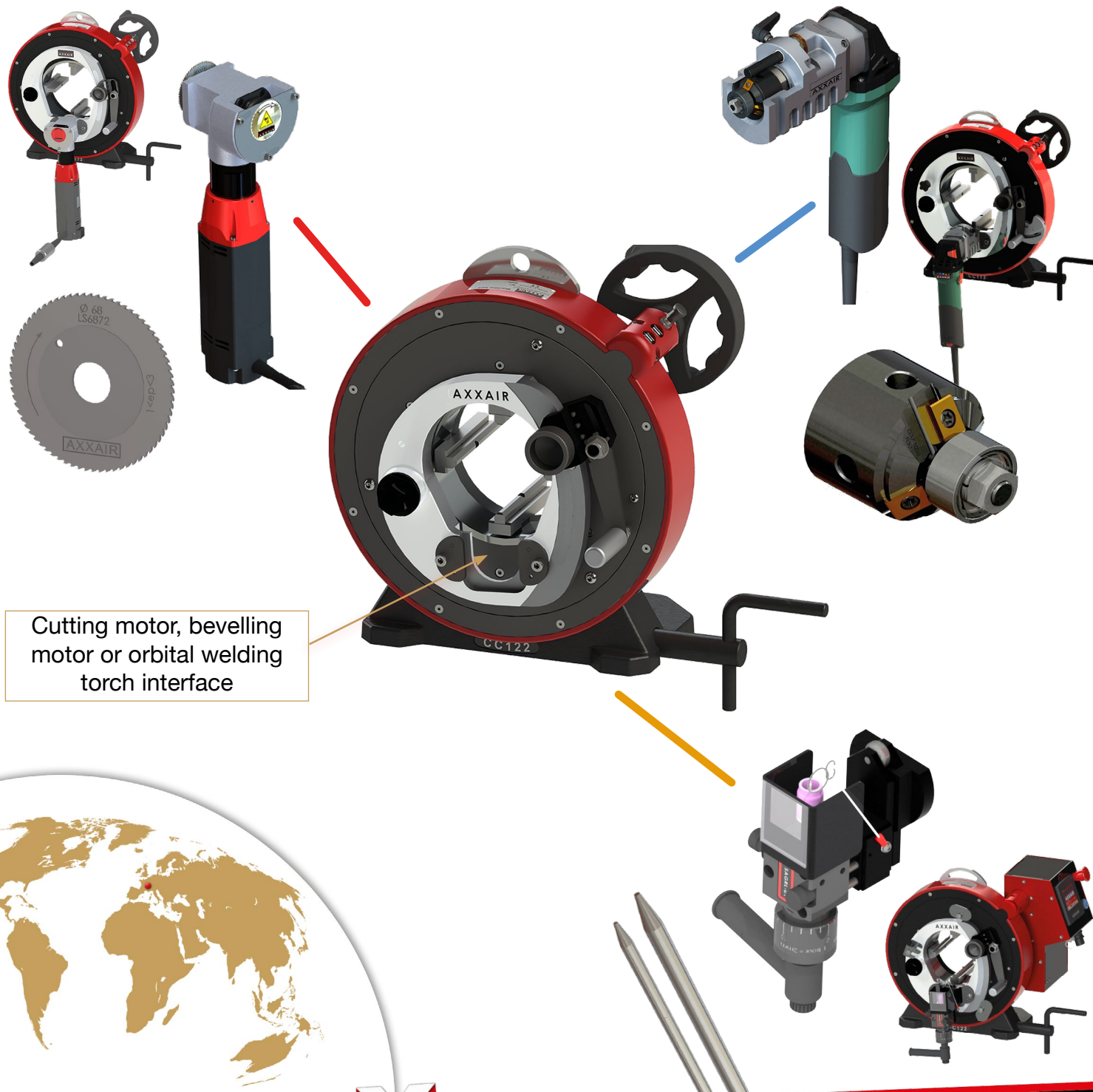
INNOVATIVE ORBITAL SOLUTIONS

The AXXAIR Group was the first to offer a triple and exclusive solution, from preparation to orbital welding:

the global process

For more than 20 years, a single machine frame (122, 172, 222 and 322) has enabled three operations to be carried out:

Cutting, bevelling and orbital welding



Cutting motor, bevelling motor or orbital welding torch interface

A machine - 3 applications

AXXAIR

INNOVATIVE ORBITAL SOLUTIONS



Product Code	Description	Net weight
FS xx / MOPD	Cutting motor	5 kg
Low-speed / high-speed / pneumatic motor with dual output (uptake):		
120V	Product Code	Frame
	Low-speed motor: FS15	122
	High-speed motor: FS19	172
230V	Low-speed motor: FS25	222
	High-speed motor: FS29	222
Pneumatic	MOPD	322

To use this motor you will need to order: suitable cutting blades for the tube thickness you want to cut and, if necessary, lubricant.

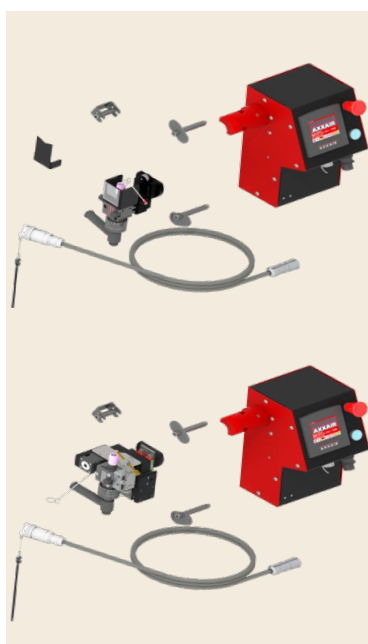
All information and relevant product codes appear in the orbital cutting accessories and consumables section of this catalogue.



Product Code	Description	Net Weight
GA10 - x - xx	Beveling motor kit	5 kg
120V / 230V beveling motor supplied with a chip shield and a workpiece guide tailored to the frame of your cutting / prefab welding machine:		
120V	Product Code	Frame
	GA10-M1-122	122
	GA10-M1-172	172
	GA10-M1-222	222
	GA10-M1-322	322
230V	Product Code	Frame
	GA10-M2-122	122
	GA10-M2-172	172
	GA10-M2-222	222
	GA10-M2-322	322

To use this motor and bevel your tubes you will need to order: one or more milling heads and carbide inserts.

All information and relevant product codes appear in the orbital beveling accessories and consumables section of this catalogue.



Product Code	Description	Net Weight
SX - KIT x	Torch kit	depending on the chosen product
KIT for upgrading a CC/GA to an SX Air / Water / AVC+OSC torch		
Cooling	Product Code	Frame
AIR	SX-2KITA	122
EAU	SX-2KITE	172
	SX-2KITNAOF (AVC/OSC)	222
	SX-2KITNAOF (AVC/OSC)	322
If you have acquired the electrical clamping (xx2-AU), please order the references below, they are delivered without automatic rotation:		
AIR	SX-3KITA	122
EAU	SX-3KITE	172
	SX-3KITNAOF (AVC/OSC)	222
	SX-3KITNAOF (AVC/OSC)	322

To use this KIT and to prefab weld, you will need to order: a suitable AXXAIR welding power supply for the tubes you want to weld.

All information and relevant product codes appear in the orbital welding section of this catalogue.