

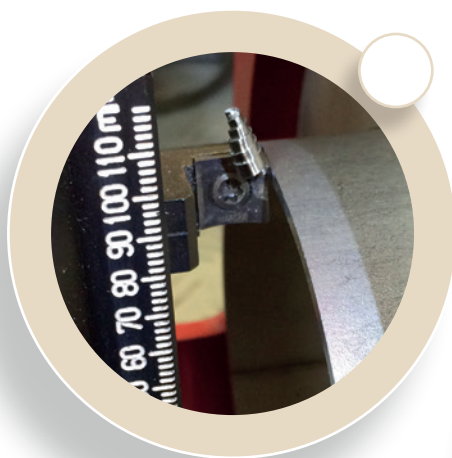
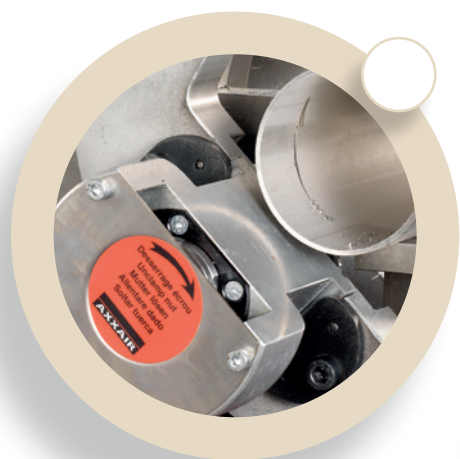
# AXXAIR

INNOVATIVE ORBITAL SOLUTIONS

## Product catalogue

Cutting, facing & orbital welding machines

for thin wall tubes < 3 mm wall thickness



Join **experience**

# Our founding principles

**Frédéric Legrand**  
- CEO and founder of AXXAIR -



**AXXAIR**  
- designer, manufacturer and distributor -

AXXAIR follows its customers in more than 60 countries all over the world by proposing global process solutions concerning orbital cutting, squaring, bevelling and welding.

We are focused on the needs of the machine users and have adapted therefore a service-oriented approach. This begins with the determination of the user's needs in terms of welding preparation of the tubes and the orbital welding itself.

At a later stage we will assure the user's technical training. Our main goal is to give our customers the possibility to be autonomous in order to face future projects easily.

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«

Understanding our customers and their needs, anticipating and meeting their expectations - these are AXXAIR's goals. We can adapt to meet the evolutions of an ever-changing market thanks to our various departments, R&D and Design Office.

AXXAIR offers unique and original tube working solutions. We believe that a lasting, quality relationship with our customers is essential and have therefore developed local customer advisory services through our subsidiaries and distribution network.

AXXAIR can accompany you with a range of support services at every stage in your project: creating samples, demonstrations, training, after-sales service, advice, etc.

»

## **Services and a team : - Join experience -**

AXXAIR is the company to contact for all tube working problems, from preparation to welding. With a reactive, committed and experienced team, AXXAIR will always suggest the most suitable solution.

«**Join experience**» thus summarizes our philosophy focused on a community that takes the projects increasingly further.



**Join experience**

[www.axxair.com](http://www.axxair.com)

# Our founding principles

## Global Process

AXXAIR has been designing, manufacturing and distributing its orbital tube working machines since 1997.

Our business lies in the global tube working

process: preparation, cutting, beveling or squaring and orbital welding.

We focus on a global product offer in order to propose constantly innovative solutions to you for your tube and pipework projects.

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## Production

AXXAIR SAS makes efforts to maintain industrial jobs in France. To this end, 98% of manufacturing is performed in the Rhone-Alpes region of France. We sub-contract 100% of our production to partners that include mechanics workshops, and sub-contractors in sheet metal working, electronics, etc.

We design all of our machines in our integrated engineering department, which is made up of 3 people.



## Worldwide presence

AXXAIR and its partners are located in areas in which customer demand is great, in order to provide locally-based, high-quality and rapid service.

Our products are distributed in over 60 countries through our subsidiaries (Korea, USA and Germany) and our «distributor» partner network, all of whom have been trained at our plant.

The AXXAIR commercial strategy is based on **innovation, quality and performance**.

This commitment has turned AXXAIR, a family business, into a high-performance group, with French and export sales constantly on the increase.



## Sustainable development

AXXAIR promotes sustainable development in industrial activities. As a part of our sustainable approach, we have decided to no longer issue paper catalogues. In today's connected world, we believe that digital catalogues with added functions are a practical and suitable alternative for all.

We hope that you understand and will adopt this approach, for our good and the good of future generations.

This catalogue may be viewed online and may be printed, if desired, so as not to impose our view unilaterally.

We do, however, encourage you to refrain from printing, or to print only the information that is of greatest interest to you.



Join **experience**

[www.axxair.com](http://www.axxair.com)



## Transporting sensitive fluids

Many industries are using tubes to transport fluids. The more sensitive the more attention has to be paid to all connections that are most of the time welded: tube to tube or tube to T or tube to elbows for example.

Most of those tubes are made of stainless steel in order to avoid corrosion and exchanges between the tube and the fluid.

## Food-processing industry

Food and beverage manufacturing are using a lot of Stainless steel tubes. It is necessary of course to correctly seal the connections but also to be sure the internal surface of the tube is correctly welded (penetration). The purpose is always to avoid any retention zones that could pollute the liquids you transport in the tube.

- Food processing
- Beverage processing: beer or wine manufacturing for example



## Pharmaceutical industry

In this case the liquid that is transported is for producing medicine. In this case, even the inner surface of the tubes need to be electro polished to lower the possibility of interaction between liquid and tube surface.

As a consequence, the welds have to be with a very high quality of geometric aspects, in width, in surface finish. They are usually 100% X-rayed to guaranty the production will not be polluted.

## Semi-conductor industry

The manufacturing of electronic components needs to have a very highly controlled atmosphere (clean rooms) as well as very high level quality tubes for the process. Those tubes are transporting pure gases or pure water and to be welded with a very high quality.

An example is the manufacturing of memory.

## Aeronautics industry

This industry is paying a lot of attention to weight and is therefore using a lot of aluminum components and almost all tubing is made with titanium tubes which is very light and resistant.

Welding titanium needs a very high gas protection inside and outside the tube. Orbital closed head welding is the best solution for those applications.

- Aerospace
- Aircraft manufacturing





## AXXAIR's orbital cutting

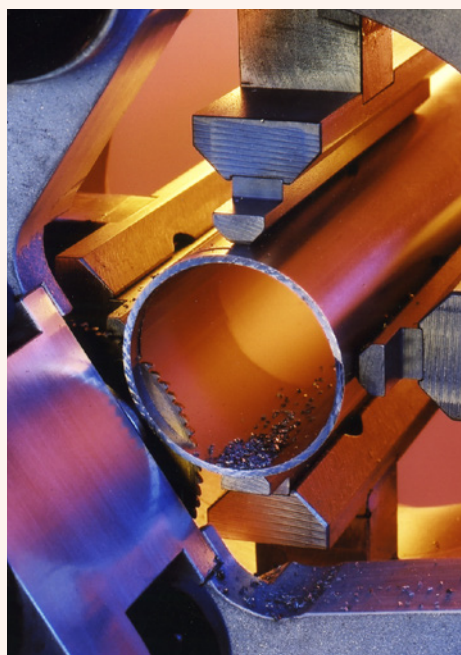
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Tube preparation is essential to be able to have quality welding.

An orbital cutting machine allows a cut of high quality thanks to **the saw blade that is turning around the tube**.

The geometry of the thin wall tubes remains, therefore, intact : no tube distortion when clamping (stainless steel concentric jaws) and no deformation due to repetitiveness as the blade follows the tube section.

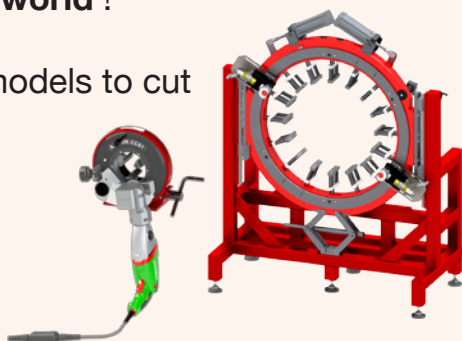


This precision is required for the welding machine to be able to close the seam and to make an adequate welding sealing.

Therefore, orbital cutting is an essential step before automatic 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

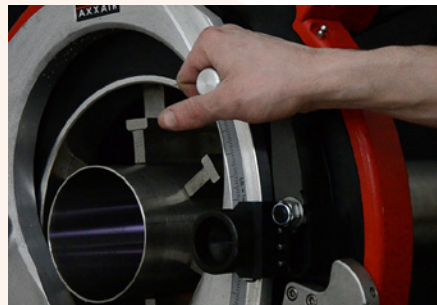
AXXAIR frames (except CC81, CC121ECO and 171ECO) are easily scalable for bevelling and welding use.

### QUALITY

Cutting with no tube distortion (multi-contacts concentric clamping) ideal for thin wall stainless steel tubes. Geometric cuts (perpendicular cuts <0,25 mm) and a great surface quality (limited burring).

### PORTABILITY

Machines easy to carry and move, can be used both on site or in workshop. Ideal preparation for thin stainless steel tubes.



Should you have any questions about orbital cutting, please do not hesitate to contact us!

We will be pleased to share our experience with you and to find a solution adapted to your needs !





## The ECO Cutting range 81M - 121ECO - 171ECO

For 20 years AXXAIR has been developing and offering scalable, flexible and reliable machines with many functions based on a patented concentric clamping system.

The frames of our cutting machines 122 - 322 (page 9-11) can be fitted with a cutting motor, a bevelling motor or with a TIG welding torch.

Our ECO range differs from this concept; it only offers a pipe cutting function for customers searching for alternatives.

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 <3 mm wall thickness

Easy to transport and less heavy

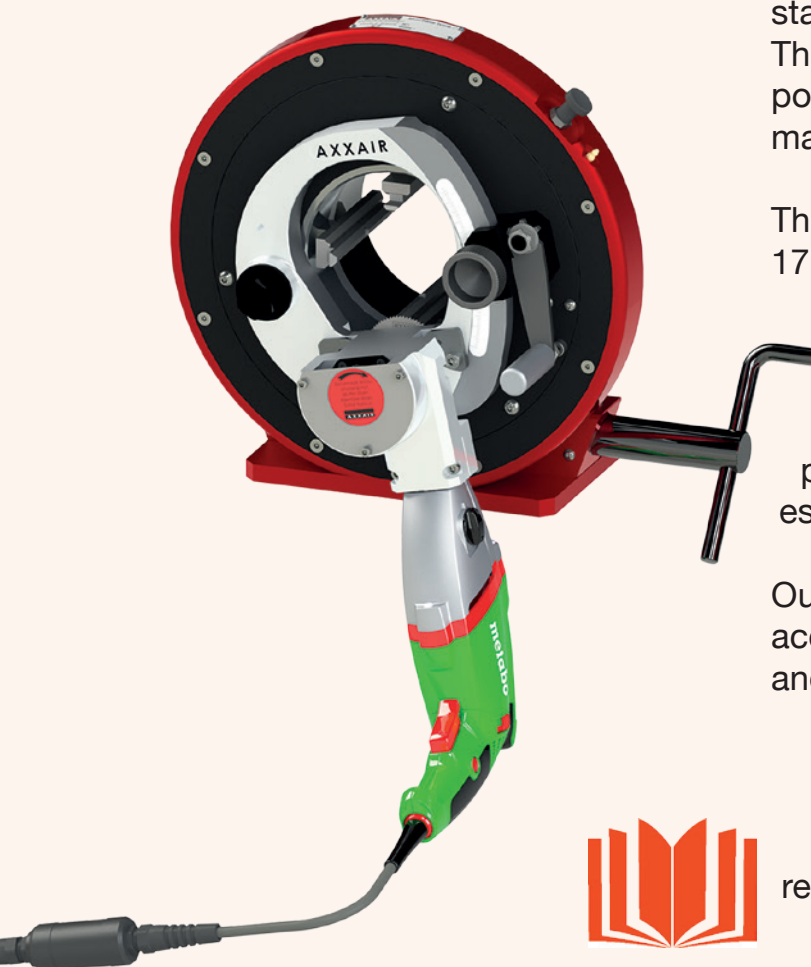
Attractive prices

METABO motorisation offers a large speed range and a torque big enough for thin stainless steel tube applications. This motor also has a handle that gives the possibility for the motor to be turned manually around the machine.


The design of the 121ECO and the new 171ECO, has the same system to set diameters and blade penetration as our range x22.

Thus, these machines benefit from very performing characteristics and a design especially made for our evolutive range.

Our Eco range does not come with accessories such as rotation autoline and automatic electric clamping.



For more details, accessories and the references please see pages 7 et 8 of this catalogue.

**Cutting**, facing & orbital welding  **3 mm** wall thickness

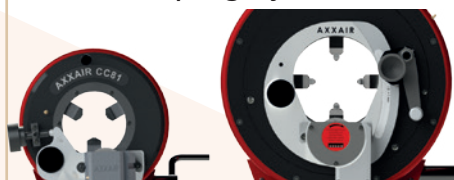
**81M - 121ECO - <sup>NEW</sup> 171ECO**

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**No tube deforming**

Concentric  
clamping system



Basic and extra  
**stainless steel jaws**:  
no pollution of the pipes

**Operator safety**

**feature**

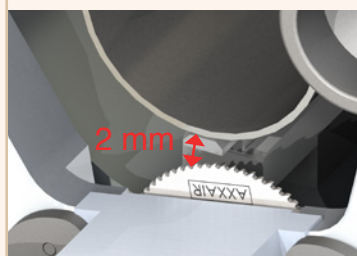
Penetration check  
feature

**Elbow Cutting**

121ECO + 171ECO:  
double shafted  
cutting motor with 2  
blade positions

**Limited  
vibration and tube  
distortion**

Optimized blade-jaws  
distance



**Motor 1300W**

Adjustment via the  
speed changer

**Cutting capacity:**

Up to 5 mm wall  
thickness



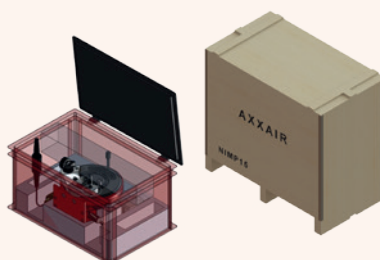
**Cutting precision**

Perpendicular cuts  
< 0.25 mm

**Continuous use**

Anti twist cable

**Easy handling and  
transportation**



**Cutting range**

81M	ø5 - ø78 mm 0.25 - 3 "
121ECO	ø5 - ø121 mm 0.25 - 4.5 "
171ECO	ø16 - ø170 mm 0.625 - 6.625 "

Join **experience**





# 81M - 121ECO - 171ECO

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## Technical features :

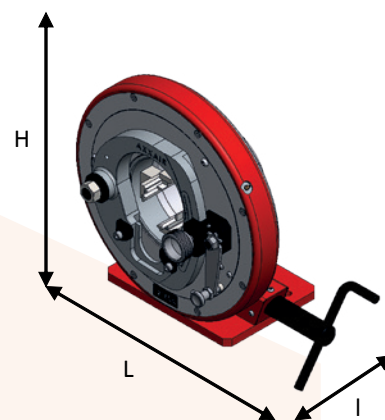
METABO motorisation offers a large range of speed and an adequate torque for thin wall stainless steel tubes applications.

### Electric motor 1300W:

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

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

The 81M's motor and its necessary tools are put directly in the transport box.



	Reference	Tube cutting machine for following diameters (in mm):		Net weight	Customs Code	Dimensions (HxLxw in mm)
		With basic jaws	With extra jaws (included)			
120V 1300W	81M11	Ø5 - Ø78	-	15 kg	846150 9000	263 x 346 x 236
	121ECO1	Ø24 - Ø121	Ø5 - Ø108	38 kg		432 x 520 x 297
	<b>NEW</b> 171ECO1	Ø70 - Ø170	Ø16 - Ø118	44 kg		453 x 550 x 307
230V 1300W	81M21	Ø5 - Ø78	-	15 kg	846150 9000	263 x 346 x 236
	121ECO2	Ø24 - Ø121	Ø5 - Ø108	38 kg		432 x 520 x 297
	<b>NEW</b> 171ECO2	Ø70 - Ø170	Ø16 - Ø118	44 kg		453 x 550 x 307

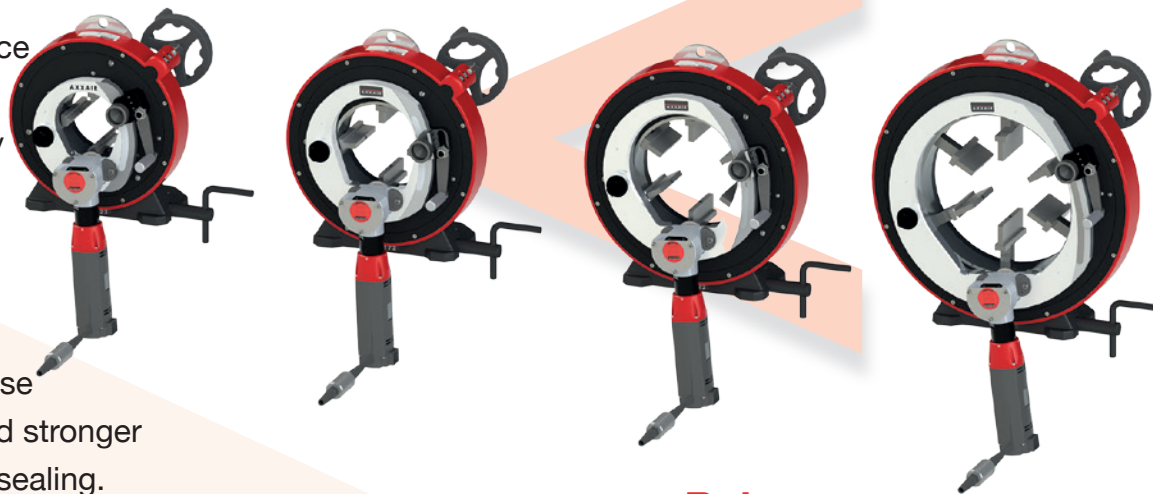




## NEW PRODUCTS

### in the orbital cutting range CCx22

Customer experience and continuous improvement policy have lead our developpers to redesign part of our cutting program. The purpose is to offer easier and stronger clamping and chip sealing. Quality is higher than ever and stability has been improved.



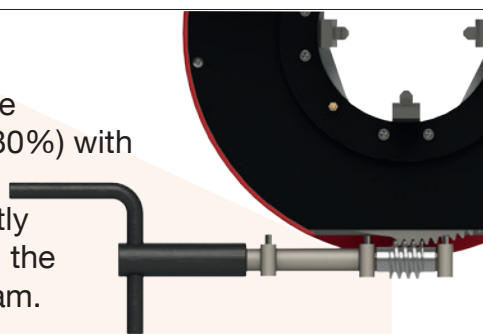
#### Robustness

#### Handling facility

Inclusion of a lifting ring on the machine for on site or workshop use.



Clamping system more efficient (+30%) with an endless screw directly engaged on the clamping cam.

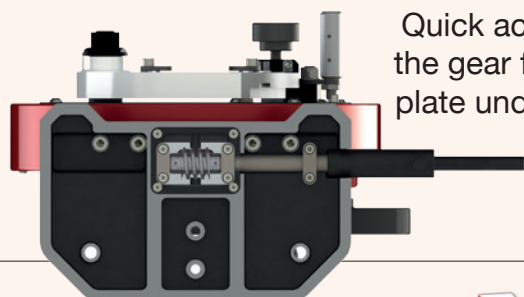


#### Maintenance and control facility

Greasing of the internal rotating parts through greaser

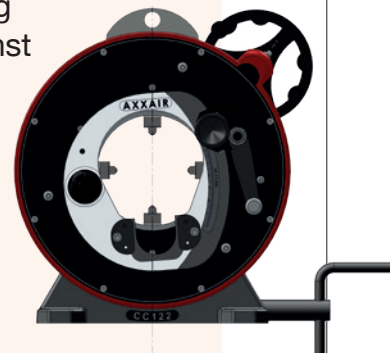
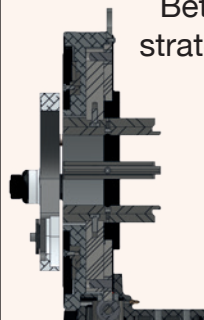


Quick access to the gear from the plate underneath



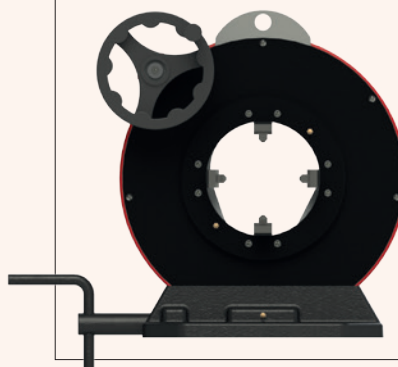
#### Perfect sealing to chips

Better sealing strategy against chips

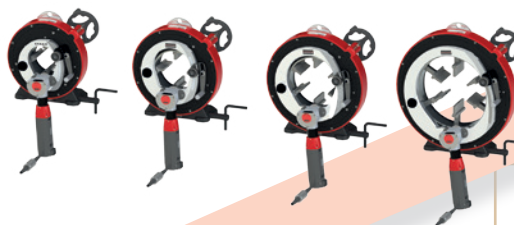


All rotating parts are incorporated in the body

No more moving parts are visible at the back of the machine



**122 - 172 - 222 - 322**

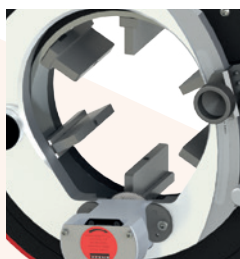


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**No tube deforming**

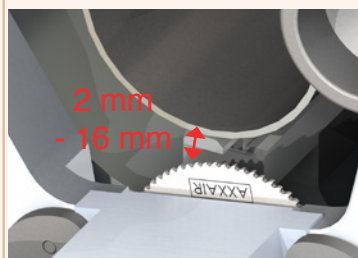
Concentric clamping system



Basic and extra **stainless steel** jaws: no pollution of the pipes

**Vibration reduction and increase in blades lifecycle**

Optimized blade-jaws distance



**Global Process**

May be transformed into a beveling and orbital welding machine

**Continuous use**

Anti-twist cable

**Cutting quality**

Rotation handle for controlled and continuous cutting speed

**Elbow cutting**

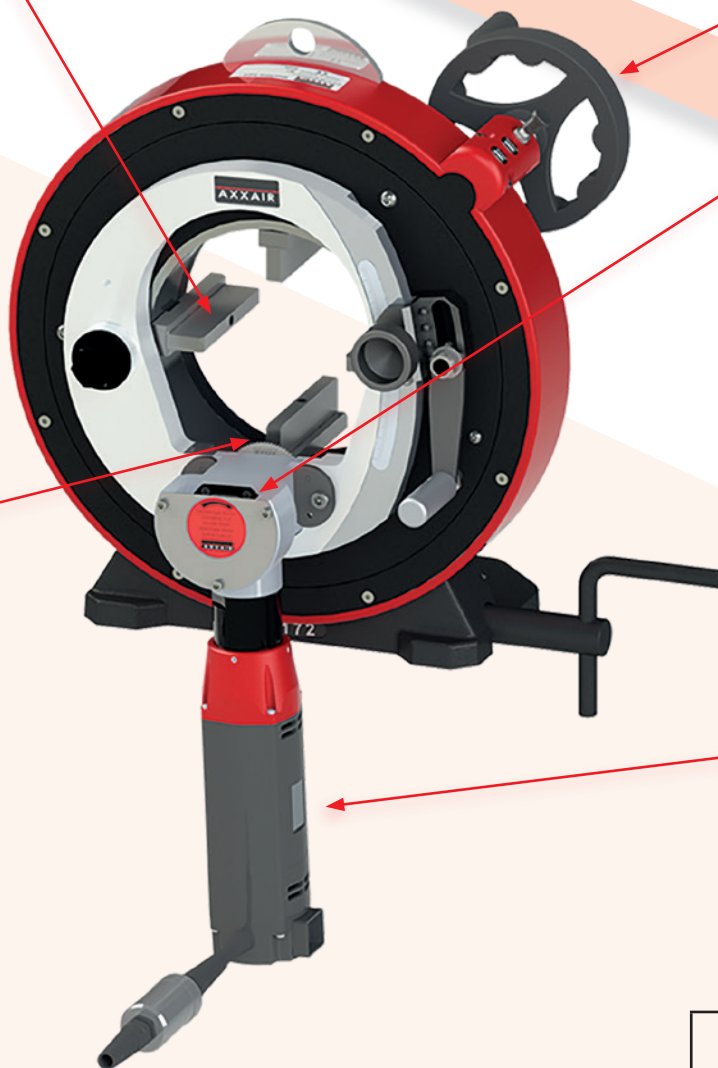
Double shafted cutting motor with 2 blade positions

**Cutting precision**

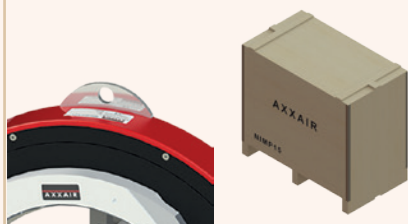
Perpendicular cuts < 0.25 mm

**1200W motor or pneumatic motor**  
(user's choice)

**Cutting capacity:**  
Up to 7 mm wall thickness



**Easy handling and transportation**



**Cutting range**

122	ø5 - ø120 mm 0.25 - 4.5 "
172	ø16 - ø170 mm 0.625 - 6.625 "
222	ø59 - ø225 mm 2.375 - 8.625 "
322	ø140 - ø330 mm 5.563 - 12.750 "





**122- 172 - 222- 322**

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INNOVATIVE ORBITAL SOLUTIONS

## Technical features:

### - Fast motor:

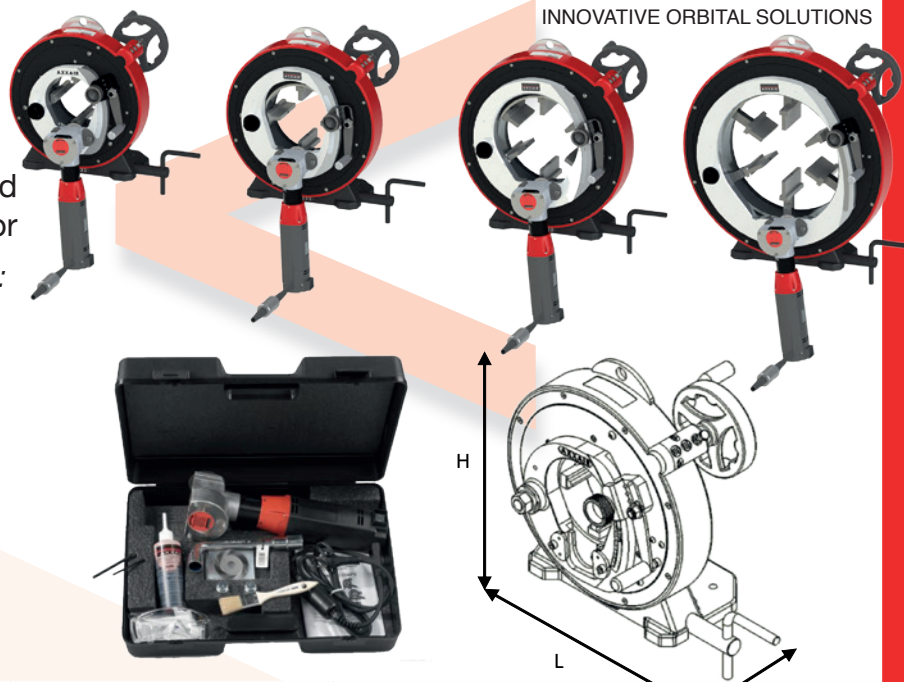
120V or 230V, 1200W, electronic speed variator with torque compensator

Vibration level according to EN 28662 norm :  $<2.5\text{m/s}^2$ , protection class : IP 20

### - 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.



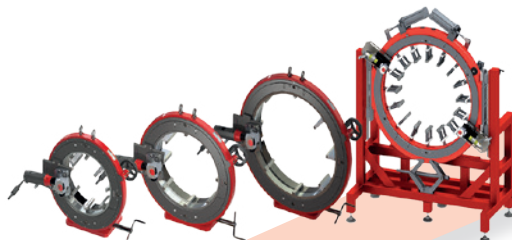
	Reference	Tube cutting machine for following diameters (in mm):		Net weight	Customs Code	Dimensions (HxLxw in mm)
		With basic jaws	With extra jaws (included)			
120V 1200W fast motor	<b>NEW</b> 122FS19	Ø24 - Ø120	Ø5 - Ø108	44 kg	846150 9000	443 x 541 x 304
	<b>NEW</b> 172FS19	Ø70 - Ø170	Ø16 - Ø118	51 kg		493 x 566 x 304
	<b>NEW</b> 222FS19	Ø116 - Ø225	Ø59 - Ø172	59 kg		548 x 594 x 304
	<b>NEW</b> 322FS19	Ø257 - Ø330	Ø140 - Ø270	71 kg		649 x 644 x 304
230V 1200W fast motor	<b>NEW</b> 122FS29	Ø24 - Ø120	Ø5 - Ø108	44 kg	846150 9000	443 x 541 x 304
	<b>NEW</b> 172FS29	Ø70 - Ø170	Ø16 - Ø118	51 kg		493 x 566 x 304
	<b>NEW</b> 222FS29	Ø116 - Ø225	Ø59 - Ø172	59 kg		548 x 594 x 304
	<b>NEW</b> 322FS29	Ø257 - Ø330	Ø140 - Ø270	71 kg		649 x 644 x 304
Pneu- matic motor	<b>NEW</b> 122PD	Ø24 - Ø120	Ø5 - Ø108	44 kg	846150 9000	443 x 541 x 304
	<b>NEW</b> 172PD	Ø70 - Ø170	Ø16 - Ø118	51 kg		493 x 566 x 304
	<b>NEW</b> 222PD	Ø116 - Ø225	Ø59 - Ø172	59 kg		548 x 594 x 304
	<b>NEW</b> 322PD	Ø257 - Ø330	Ø140 - Ø270	71 kg		649 x 644 x 304



**421- 521-721-1100**

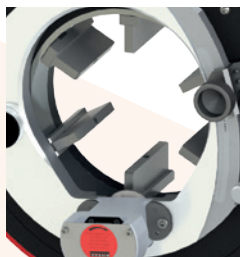
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**No tube deforming**

Concentric  
clamping system



Basic and extra  
**stainless steel** jaws:  
no pollution of the  
pipes

**Elbow cutting**

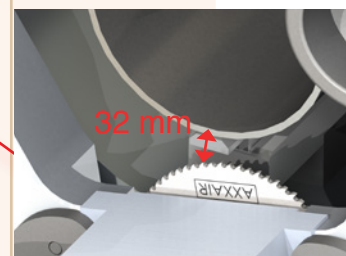
Double shafted  
cutting motor with 2  
blade positions

**Cutting quality**

Rotation handle for  
controlled and  
continuous cutting  
speed

**Vibration  
reduction and  
increase in blades  
lifecycle**

Optimized blade-jaws  
distance



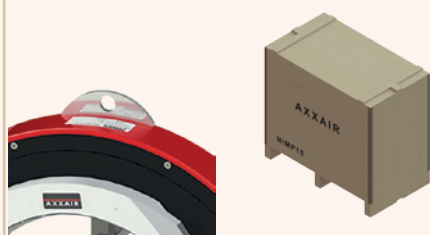
**Continuous use**

Anti-twist cable

**Cutting precision**

Perpendicular cuts  
< 0.4 mm

**Easy handling and  
transportation**



**1200W motor or  
pneumatic motor**  
(user's choice)

**Cutting capacity:**  
Up to 7 mm wall  
thickness

**Cutting range**

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 "





## 421-521-721-1100

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INNOVATIVE ORBITAL SOLUTIONS

## Technical features:

**- Fast motor:**

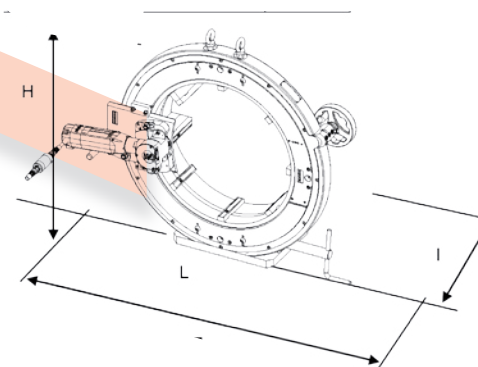
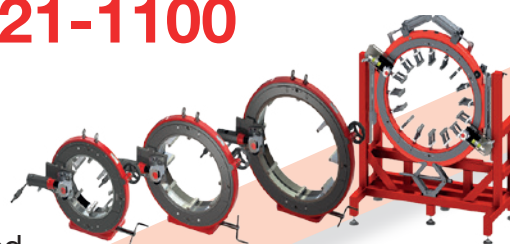
120V or 230V, 1200W, electronic speed variator with torque compensator

Vibration level according to EN 28662 norm :  
<2.5m/s<sup>2</sup>, protection class : IP 20

**- 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



	Reference	Tube cutting machine for following diameters (in mm):		Net weight	Customs Code	Dimensions (HxLxw in mm)
		With basic jaws	With extra jaws (included)			
120V 1200W fast motor	421FS19	Ø350 - Ø422	Ø212 - Ø352	186 kg	84615 09000	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	84615 09000	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	84615 09000	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

In order to facilitate cutting and provide great stability to our machines, we worked on support feet and stands that can adapt to diverse conditions : either in a workshop or onsite.

The advantages of these products:

- lightness
- flexible handling
- easy to use



Reference	Description	Net Weight	Customs Code	Dimensions (in cm)
CCPS21	Support feet	10 kg	84669 37000	103 x 32 x 11

Support feet for orbital cutting machine:

- easy assembling and dismantling
- height adjustment with screws
- storage box at the back
- great stability

81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Reference	Description	Net Weight	Customs Code	Dimensions (in cm)
CCSER1	Simple stand	10 kg	84669 37000	60 x 26 x 10

Simple stand for tube support with height adjustment:

- easy assembling and dismantling
- height adjustment

✓81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Reference	Description	Net Weight	Customs Code	Dimensions (in cm)
CCSER2	Bearing stand	11 kg	84669 37000	60 x 26 x 10

Chrome steel bearing stand for tube support with height adjustment :

- easy assembling and dismantling
- height adjustment
- facilitate tube advancement after the cutting process

✓81	✓121ECO	✓171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Join **experience**





# Orbital Cutting - Accessories

**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS

Our support benches help you to set and move tubes without the need of stands.

The integrated adjustable height table helps you to adjust the height of your machine easily and precisely for a better cut.

The additional bench allows you to set the longest tubes in a more stable way.

We also advise that you have one or more benches in front of your cutting machine in order to support the cut off part of the tube.

This new bench with height adjustment has had several improvements for better use:

- The rollers have been modified to include smaller diameters pipes (ø 5 to 323 mm).
- Standard angular gearbox (home manufactured) also available on the DC and other motors of the range .
- CCBSB-X1 benches compatible with length stops.

Length stops are being developed at the moment and will soon be available !



Reference	Description	Net Weight	Customs Code	Dimensions (in cm)
CCBSB-X1	Bench with height adjustment	57 kg	84669 37000	184 x 95 x 51
<u>Bench with height adjustment:</u>		- maximum load: 350 kg uniformly distributed - ø min pipe: 5 mm - ø max pipe: 321 mm - compatible with machines 121 to 321		
- stainless steel rollers - handle for height adjustment - 1.5 m long				

81	✓ 121ECO	✓ 171ECO	✓ 122	✓ 172	✓ 222	✓ 322	421	521	721	1100
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Reference	Description	Net weight	Customs code	Dimensions (in cm)
CCBSB-X2	Additional 1.5 m bench	38 kg	84669 37000	150 x 95 x 51
<u>Additional support bench:</u>		- ø min pipe : 5 mm - ø max pipe: 321 mm - compatible with machines 121 to 321		
- stainless steel rollers - 1.5 m long - maximum load 350 kg uniformly distributed				

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

**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS

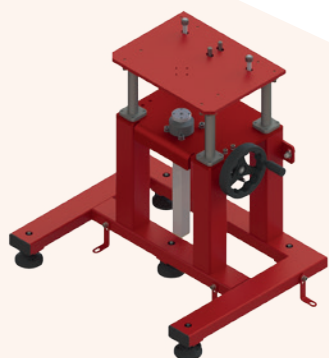
Our support benches help you to set and move tubes without the need of stands.

The integrated adjustable height table helps you to adjust the height of your machine easily and precisely for a better cut.

Products available on demand

The additional bench allows you to set the longest tubes in a more stable way.

We also advise that you have one or more benches in front of your cutting machine in order to support the removed part of the tube.



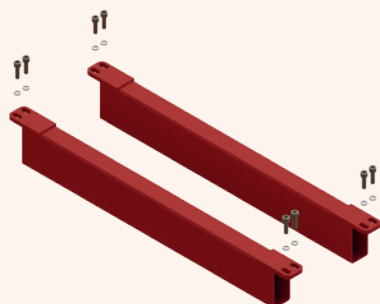
Reference	Description	Net weight	Customs Code	Dimensions (in mm)
CCBSB2-03	Adjustable height table	53.5 kg	84669 37000	
Adjustable height table for 422 / 521 / 721:				
- adjustable table                      - great stability				

81	121ECO	171ECO	122	172	222	322	✓ 421	✓ 521	✓ 721	1100
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Reference	Description	Net Weight	Customs Code	Dimensions (in mm)
CCBSB2-004	Support bench	72.8 kg	84669 37000	
Support bench for 422 / 521 / 721:				
- fast assembly and dismantling    - 1.5 m long - height adjustment                      - great stability - maximum load :				

81	121ECO	171ECO	122	172	222	322	✓ 421	✓ 521	✓ 721	1100
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Référence	Description	Poids net	Code douanier	Dimensions (en mm)
CCBSB2-005	Connection kit	6.5 kg	84669 37000	
Connection kit for bench CCBSB2:				
- fast assembly and dismantling                      - help to great stability				

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

**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS

## New electric rotation autoline:

- Measures and indicates cutting/beveling motor's power consumption
- Can stop motor or cycle in case of overconsumption
- Protects motor and frees operator from watching the machine
- Detects if blades are used and if the motor is forcing

## 3,5 color tactile screen allowing to :

- fill in the diameter and set the feed speed in mm/min
- help the correct setting by offering the right feed speed and motor speed according to the blade's type
- perform simple and fast configuration
- print cutting/beveling motor's consumption
- display options in french and english
- choose unity of measurement : mm or inch

**Welding mode with prefab machine and SAXX generator:** Display of 4 buttons (Start, Stop, Left, Right) with additionnal cable to the generator.  
(Ref. SAEX-A02 in addition, more details in «ORBITAL WELDING» part of the catalogue)

This rotation is also suitable for previous models **121,171,221, 321**.

Former rotation SAEP-00/000 is not compatible with new models 122, 172, 222, 322.



Reference	Description	Net Weight	Customs Code	Dimensions (in mm)
SAEX-00	Electric rotation autoline	6.3 kg	8515 900090	320 x 261x 193

### Electric rotation autoline for CC122 to 322:

- 110 V to 230 V
- rounds regularity
- simple use
- precise setting

81	121ECO	171ECO	✓122	✓172	✓222	✓322	421	521	721	1100
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Reference	Description	Net Weight	Customs Code	Dimensions (in mm)
SAEX-000	Electric rotation autoline	6.3 kg	8515 900090	320 x 261x 193

### Electric rotation autoline for CC421 to 721:

- 110 V to 230 V
- rounds regularity
- simple use
- precise setting

81	121ECO	171ECO	122	172	222	322	✓421	✓521	✓721	1100
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## Orbital Cutting - Consumables

**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS



## Orbital cutting blades

Customs Code: 8202310000

Blades High Speed Steel (HSS + Cobalt) sold by boxes of 5:

-The tooth pitch & design are essential for evacuating chips in order to obtain a high quality cut. AXXAIR has worked to make the most efficient blade designs to fit tube and pipe cutting applications.

-Often preferred over the blades of our competitors, AXXAIR blades are suitable with most of other cutting machines.

Reference	Cutting pipes 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
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Reference	Description	Volume	Customs Code
CCLUH	Liquid lubricant	250 ml	3403198000

High performance oil lubricant, sold by boxes of 5 bottles:

- Advised for fast cutting motors (FS29/19)
- Safety instructions available on demand

81	121ECO	171ECO	✓122	✓172	✓222	✓322	✓422	✓521	✓721	✓1100
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Reference	Description	Volume	Customs Code
CCLUP	Paste lubricant	250 ml	3403198000

Paste lubricant, sold by boxes of 5 lubricants-tubes:

- Advised for metabo motors
- Safety instructions on demand

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