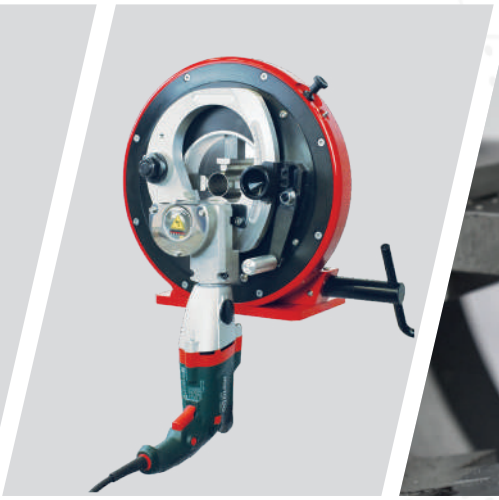
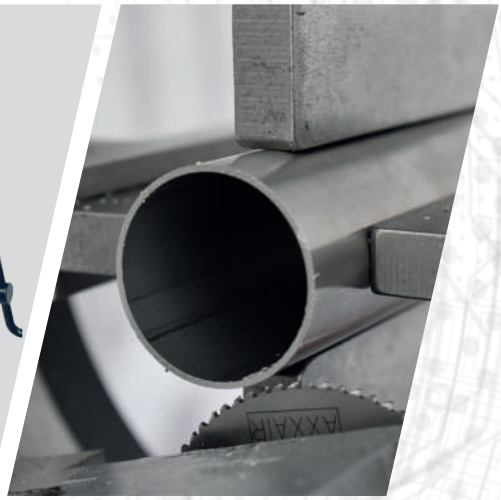
ECO RANGE - 81M / 121ECO / 171ECO ORBITAL CUTTING MACHINES

0.25 - 6.625" o/d / 5 - 170 mm o/d







SCAN QR CODE TO WATCH VIDEO

AXXAIR
AN SPE GROUP BRAND

Daonte
Tecnología Metalmecánica

www.AXXAIR.com

ECO RANGE: 81M / 121ECO / 171ECO

Daonte Tecnología Metalmecánica

0.25 - 6.625" o/d / 5 - 170 mm o/d



- **Functions:** Orbital tube cutting
- **Materials:** Any type of steel and exotic alloy
- **Power:** Electric 1300W 110V or 220V (Metabo motor)

During **orbital cutting** a saw blade rotates around the tube to perform the cut, delivering a square cut while maintaining the roundness of the tube. There is no distortion due to cutting forces, as the blade follows the tube section.

Designed for customers who prioritize efficiency without compromising quality, **the ECO range** ensures a superior standard of cuts (cutting capacity up to 5 mm / 0.2" wall thickness), matching the excellence of our renowned CC 122 - 322 range. What sets the ECO range apart is its commitment to affordability, while offering great orbital cutting performance for tubing and thin pipe. And for those who do not require the beveling or welding upgrades offered with the CC122 - CC322 range.

MODELS AND POWER OPTIONS

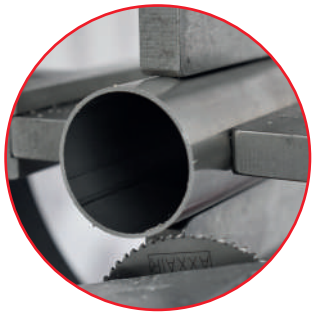
81M	121ECO	171ECO
		
TUBE O/D RANGE: 0.25 - 3" / 5 - 78 mm	TUBE O/D RANGE: 0.25 - 4.5" / 5 - 121 mm	TUBE O/D RANGE: 0.625 - 6.625" / 16 - 170 mm
PART NO. 81M11 (110V) PART NO. 81M21 (220V)	PART NO. 121ECO1 (110V) PART NO. 121ECO2 (220V)	PART NO. 171ECO1 (110V) PART NO. 171ECO2 (220V)

FEATURES AND ADVANTAGES

The lighter design ECO range (powered by a speed adjustable 1300W Metabo motor) consists of a stainless steel concentric clamping system with a large number of contact points, increasing the cutting range and quality and avoiding tube distortion. The stainless steel jaws guarantee protection from contamination of the tube. The penetration lever* engages the saw blade for effortless and consistent penetration and cutting of the tube, extending the blade life and improving safety and ease of operation. The short blade to jaws distance reduces vibration, extends the blade life and improves cutting quality. AXXAIR offers a wide range of high quality blades performing burr-free square cuts (< 0.25 mm / 0.01" perpendicularity precision) and lubricant oil and paste. The 121ECO and 171ECO models can be fitted with support benches for longer tubes.

*** no penetration lever on 81M11 and 81M21**









ECO RANGE TECHNICAL FEATURES

DESCRIPTION	MEASUREMENT	81M	121ECO	171ECO
Part No.	n/a	81M11 - 81M21	121ECO1 - 121ECO2	171ECO1 - 171ECO2
Diameter range	mm (o/d)	5 - 78	5 - 121	16 - 170
Diameter range	inch (o/d)	0.25 - 3	0.25 - 4.5	0.625 - 6.625
Cutting capacity	mm / inch	5 / 0.2	5 / 0.2	5 / 0.2
Blade rotational speed	rpm	24 - 144 / 68 - 413	24 - 144 / 68 - 413	24 - 144 / 68 - 413
Electric motor power	watt	1300	1300	1300
Voltage	volt	110 or 220	110 or 220	110 or 220
Frequency	Hz	50 / 60	50 / 60	50 / 60
Max acoustic radiation	dB	92	92	92
Vibration level	m/s^2	< 2.5	< 2.5	< 2.5
Unit weight	kg / lbs	15 / 33	38 / 84	44 / 97
Machine dimensions	mm	263 x 246 x 236	432 x 520 x 297	453 x 550 x 307
Machine dimensions	inch	10.35 x 13.62 x 9.29	17 x 20.47 x 11.69	17.83 x 21.65 x 10.28
Packing dimensions	mm	410 x 610 x 360	420 x 620 x 720	420 x 620 x 720
Packing dimensions	inch	16.14 x 24.02 x 14.17	16.53 x 24.41 x 28.35	16.53 x 24.41 x 28.35
Packing weight	kg / lbs	20 / 44	56 / 123.46	59 / 130

Our group policy is one of continuous improvement. Products and data tables are subject to change and may vary from those illustrated.

121ECO
171ECO





- The 121ECO and 171ECO machines are supplied in a wooden crate.
- All motors are supplied in their own individual cases, including the necessary tools for operating the machine

81M





- 81M machine is supplied in polyethylene plastic case, including the motor and required tools

ACCESSORIES AND OPTIONS

TRIPOD STAND

121ECO / 171ECO



PART NO. CCPS21

SUPPORT BENCHES

121ECO / 171ECO



CCBSB-X1



CCBSB-X2

PART NO. CCBSB-X1
PART NO. CCBSB-X2

SUPPORT BENCHES
WITH END STOP SYSTEM

121ECO / 171ECO



PART NO. CCBSB-XX-X-XX *

*** REFER TO: ORBITAL CUTTING & BEVELLING MACHINES ACCESSORIES & CONSUMABLES**