



**DIAMOND EDGE POLISHER FOR ACRYLIC AND PMMA
TILTING TABLETOP EDGE POLISHING MACHINE**

AMT





GENERAL DESCRIPTION:

The **AMT** Polishing Machine has been specially designed and manufactured for polishing acrylic and methacrylate (PMMA) with a high quality finish.

With this model, you can polish flat pieces at 90° and position the table to polish bevels or angles of up to 60°.

The machine's operating system is based on the workpiece's path along the front of the cutter. The machine is equipped with a fixed head and pieces are held down by a clamp. The movement of the piece is carried out by means of a feeding tape. .

Diamond tools guarantee **maximum finishing quality** with a minimum level of maintenance and costs. The cutting angles of the diamond tool have been studied thoroughly to ensure **a long operating life and effective performance, avoiding excessive tool sharpening and changing costs.**





Technical Specifications:

DIMENSIONS:

Total outer dimensions: LxWxH (with clamp)	792 x 539 x 267 (428.5)
Table length	700 mm
Table width	250 mm
Table height	143,5 mm
Packing dimensions: LxAxH	850 x 630 x 450 mm
Net weight packing incl.	72,5 kg 110 Kg = 243 Lbs.

CUTTING SPECIFICATIONS:

Feeding system	Automatic
Piece securing system	Manual, with clamp
Piece max.thickness	35 mm straight angle 20 mm up to 45° tilt
Tool diameter	83 mm
Cutter type	BERMAQ®
Number of diamonds:	2
Type of diamond for pre-cutting	PCD pre-cutter, black
Type of diamond for finishing	PCD diamond, red
Speed adjustment of rotational motor	variable
Nominal feed speed	adjustable
Feed speed	adjustable
Digital system to regulate the milling depth	0-1,5 mm
Front tool changer	Yes
Smooth tool position adjustment	



**MITRE TABLE SPECIFICATIONS:**

Minimum / maximum tilt	-3° to +60°
Position of fixed angles	15° 22,5° 30° 45° and 60°
Tilting system	lateral nonius
Tilting adjustment	manual

CLAMP SPECIFICATIONS:

Clamp adjustable in height and belt	Yes
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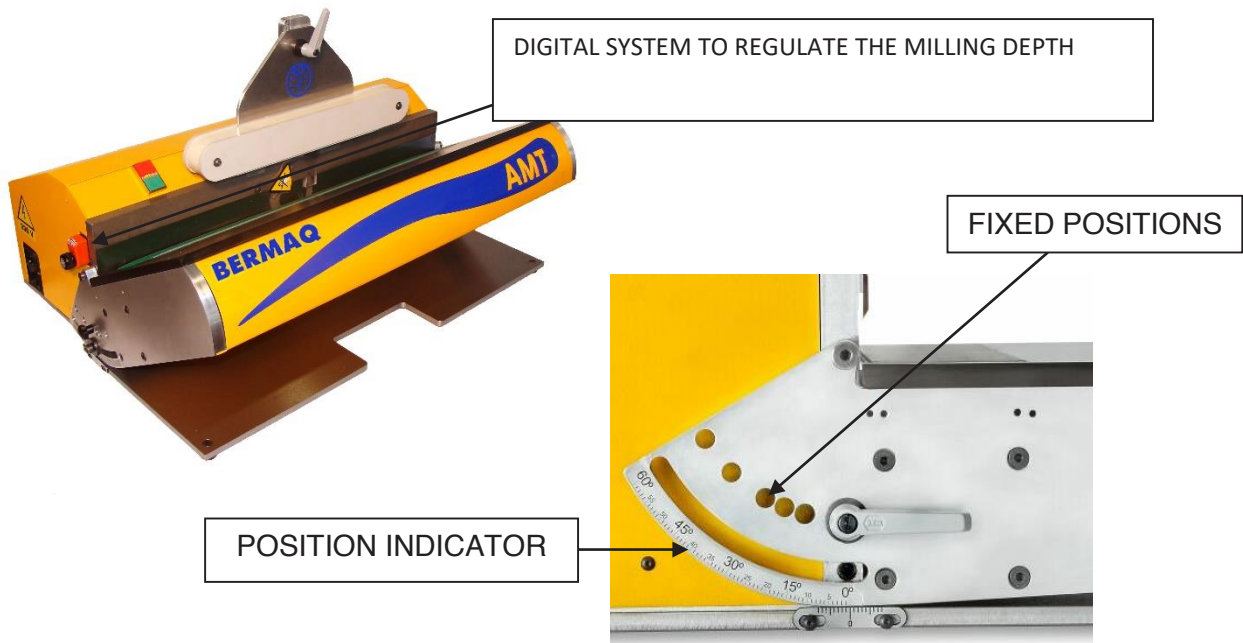
ELECTRICAL SPECIFICATIONS:

Tension	230 V 1PH
Frequency	50/60 HZ
Total installed power	0,5 kW
Intensity	2,5 A
Exit cycle	ON



① **HEAD:**

The head consists of a milling motor and tilting table of -3° to $+60^\circ$ inclination, with fixed positions at 15° , 22.5° , 30° , 45° and at 60° .



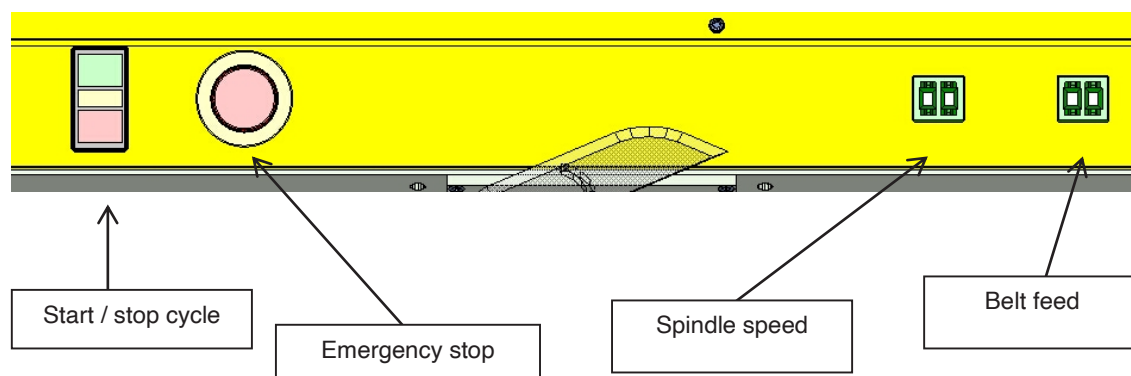
② **SETTING AND SECURING SYSTEM:**

The **AMT** model is equipped with a **clamp**. Once the piece is correctly placed, supported by the positioning screen and the belt, the height of the clamp can be adjusted to adapt it to the workpiece. The working cycle is then ready to start.



③ CONTROL PANEL:

This machine is equipped with a control panel in which the main elements of the machine are found: start/stop cycle, belt feeding speed, cutter feeding speed and emergency stop.



④ ELECTRICAL SYSTEM:

Specifications on the electrical installation:

Supply voltage:	230 V
Frequency:	50 / 60 Hz.
Number of phases:	1 PH
Electrical output:	approx. 0.5 kW.

The customer's installation must be equipped with a selective earth leakage protection circuit-breaker (A Series).

⑤ PRECISION GAUGE: **new**

Now this machine features a **NEW** accessory: a [precision gauge for the optical contact of the tool](#), as seen in figure below.



**TERMS OF SALE:**

- **SAFETY:** The machine has been designed and manufactured according to CE safety regulations in machinery.
- **TRANSPORT, INSURANCE, AND SET-UP:** not included in this offer. For road transport the machine is assembled before being shipped.
- **WARRANTY:** WORLDMAQ-3 SL ensures the smooth operation of the machine for 12 months or up to 1800 hours of operation from the date of sale of the machine. The warranty covers manufacturing defects in materials and repair time. It does not include defects and damage caused by improper use or its elements. Neither consumable materials nor those subjected to wear are included.
- **MAINTENANCE:** Preventive maintenance of the machine is the responsibility of the client and it is available through WORLDMAQ-3 SL or its official distributors and maintenance services.
- **QUALITY CONTROL:** We ensure the machining of pieces, assembly and correct machine functioning. Several tests carried out under normal working conditions. Follow-up on quality control is carried out during statistical quality inspections, which optimise the most important aspects of the machine.
- **INSTALATION AND START-UP:** The installation of the machine at its destination will be carried out by the customer or by our specialised dealers, according instructions and user manual provided.

