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BERMAQ®
ACRYLIC POLISHING & CNC MACHINES

2023 PLASTIC WORKING MACHINERY



CHARACTERISTICS	BOX	PRISMA	AMT	AM2-i	AMi-C
WORKING LENGTH	700 mm 1000mm (ext.)	700 mm	700mm	1400mm	2100 - 3100mm
MAX. WORKPIECE THICKNESS	20mm	500mm	35mm (straight) 20mm (45° bevel)	120mm (straight) 75mm (45° bevel)	120mm (straight) 105mm (60° bevel)
MAX. CUTTING DEPTH	0,5mm	0 to 3 mm (full bevel)	1,4mm	4mm	4mm
MILLING MOTOR SPEED	18000 RPM	7000 to 12000 RPM	7000 to 12000 RPM	5000 to 10000 RPM	5000 to 12000 RPM
FEED SPEED	Up to 5m/min	manual	Up to 3m/min	Up to 10m/min	Up to 10m/min
MIN/MAX INCLINATION	X	44° and 45°	-3° to +60°	-2° to +45°	-2° to +60° 0° to +45° (multiple pieces)
ELECTRIC POWER SUPPLY	220V	220V	220V	380V (3PH + N) *	380V (3PH + N) *
NUMBER OF CLAMPS	X	X	X	5	5 - 12

* Other voltages on demand



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BERMAQ

BOX



Portable tabletop machine, ideal for polishing acrylic and PMMA pieces with a high quality finish. Chips suction system is included.

The BOX machine is great either for the end-user to polish small pieces or for the final touch of a technician on-site. Carrying it is easy thanks to its two handles, its weight, and its compact size.

STANDARD EQUIPMENT:

- Polishing tool set: synthetic diamond for transparent finish (black / red): 1 unit
- Vacuum system for chips removal
- Working length: **700 mm**
- Workpiece thickness: **20 mm**
- Standard Electrical Voltage: **230 VAC 50Hz**
- Package: Wooden crate *at no cost*

TOTAL DIMENSIONS: **80 x 60 x 50 cm** | TOTAL WEIGHT: **38 Kg**

Options

Spare parts

EIMQ-119001-BQ -Diamond polishing tool for transparent finish, synthetic (black / red)

EIMQ-119002-BQ -Diamond polishing tool for matt finish, synthetic (black / green)

EIMQ-119004-BQ -Diamond polishing tool for extruded (XPS), natural (black / l. brown)

EIMQ-119005-BQ -Diamond polishing tool for polycarbonate (black / d. brown)

Accessories

BOX EXTENDER:



TOTAL DIMENSIONS: **21 x 21 x 131 cm** | TOTAL WEIGHT: **13 Kg**

Transformer to **127 VAC**

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PRISMA



Mini acrylic bevelling machine PRISMA for polishing angled edges at 44° and 45° of small pieces with a high-quality finish. Portable tabletop machine with vacuum system for continuous chip removal. This model completes the range of the WORLD'S MOST COMPACT edge polishers together with the BOX portable mini polisher.

STANDARD EQUIPMENT:

- Polishing tool set: synthetic diamond for transparent finish (black / red): 1 unit
- Vacuum system for chips removal
- Working length: **700 mm**
- Workpiece thickness: **8mm** (complete bevel) and **500mm** (chamfers)
- Standard Electrical Voltage: **230 VAC 50Hz**

TOTAL DIMENSIONS: **550 x 300 x 360 mm** | TOTAL WEIGHT: **16 Kg**

Options

Spare parts	
EIMQ-119001-BQ -Diamond polishing tool for transparent finish, synthetic (black / red)	
EIMQ-119002-BQ -Diamond polishing tool for matt finish, synthetic (black / green)	
EIMQ-119004-BQ -Diamond polishing tool for extruded (XPS), natural (black / l. brown)	
EIMQ-119005-BQ -Diamond polishing tool for polycarbonate (black / d. brown)	
Accessories	
Transformer to 127 VAC	



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AMT



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Tabletop acrylic edge polisher designed to achieve a high quality finish. On the AMT model, its working table can be positioned to obtain bevels or angles up to 60°. It is ideal for the machining of small parts.

STANDARD EQUIPMENT:

EIMQ-127120/01: Polishing disk of 2 interchangeable tools including:

EIMQ-131001-BQ: PCD for the pre-cutting pass (black) (1 unit)

EIMQ-131003-BQ: PCD for the transparent finishing (red) (1 unit)

Belt-type clamp (1 unit)

- Workpiece thickness: **30 mm**

Standard Electrical Voltage: **230 VAC 50Hz**

TOTAL DIMENSIONS **88 x 63 x 45 cm** | TOTAL WEIGHT: **110 Kg**

Precision gauge for the optical contact of the tool. (See photo below)

Options

Spare tools

EIMQ-131001-BQ: PCD for the pre-cutting pass (black)

EIMQ-131003-BQ: PCD for the transparent finishing (red)

EIMQ-131004-BQ: PCD for a matt finishing (green)

EIMQ-131002-BQ: Natural diamond for the transparent finishing (blue)

EIMQ-131023-BQ: Natural diamond for polycarbonate material (light brown)

EIMQ-131024-BQ: Natural diamond for extruded material (brown)

Other accessories

Suction equipment 20L, 1.200W

Precision gauge for the optical contact of the tool (see figure above)



Transformer to **127VAC**

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AM2-i



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The **AM2-i** acrylic edge polisher has been designed for the machining and polishing of methacrylate PMMA workpieces.

It is equipped with a manually tilting head that enables up to +45° angle jobs. Along with an automatic depth setting motor and a touch screen, it allows for an easy user-friendly operation.

STANDARD EQUIPMENT:

EIMQ-131300: 4-housing polishing disk of interchangeable tools including:

EIMQ-131001-BQ: PCD for the pre-cutting pass (black) (1 unit)

EIMQ-131003-BQ: PCD for the transparent finishing (red) (1 unit)

EIMQ-131000-EU: Counterweight for 4-housing polishing disk (2 units)

Working length: **1400 mm*** Customized work area, opened on both sides, allows for a *longer workpiece*.

Workpiece thickness: **120 mm**

Clamps: **five (5)** units

Standard electrical voltage: **400VAC 50Hz**

Total dimensions **2,56 x 1,57 x 1,90 m** | Total weight: **1555 Kg**

Options

Tools:			
EIMQ-131001-BQ: PCD for the pre-cutting pass (black)			
EIMQ-131003-BQ: PCD for the transparent finishing (red)			
EIMQ-131004-BQ: PCD for a matt finishing (green)			
EIMQ-131006-BQ: PCD – pre-cutter (white)			
EIMQ-131007-BQ: PCD –pre-cutter (yellow)			
EIMQ-131002-BQ: Natural diamond for the transparent finishing (blue)			
EIMQ-131023-BQ: Natural diamond for polycarbonate material (light brown)			
EIMQ-131024-BQ: Natural diamond for extruded material (brown)			
EIMQ-131000-EU: Counterweight for 4-housing polishing disk			
Other accessories			
Additional workpiece clamp		Suction device 3 CV	
Transformer to 230VAC		Transformer to 208 VAC	
Please contact us for a different electrical voltage			
Package types			
PALLET PLANKS PACKAGE <i>AT NO COST</i>		HERMETIC WOODEN CRATE	
HERMETIC PACKING WOODEN CRATE + NAUTICAL CASE FOR MARITIME TRANSPORT:			

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AMI-C2100



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The AMI-C acrylic edge polisher has been designed to polish bevels and angles up to 60° thanks to its tilting head (-2° to +60°). The working length of the machine is 2.100 mm and it can polish a maximum thickness of 120 mm.

STANDARD EQUIPMENT:

EIMQ-131301: 4-housing polishing disk of interchangeable tools including:

EIMQ-131001-BQ: PCD for the pre-cutting pass (black) (1 unit)

EIMQ-131003-BQ: PCD for the transparent finishing (red) (1 unit)

EIMQ-131000-EU: Counterweight for 4 housing disk (2 units)

Five (5) clamps

One (1) fixed support table

Ethernet connection

Standard Electrical Voltage: 400VAC 50Hz

Total dimensions: **380 x 176 x 184 cm** | Total weight: **2300 Kg**

Options

Polishing disks:			
EIMQ-131301-EU: 4-housing polishing disk of interchangeable tools			
Spare tools for disk EIMQ-131100-EU			
EIMQ-131001-BQ: PCD for the pre-cutting pass (black)			
EIMQ-131003-BQ: PCD for the transparent finishing (red)			
EIMQ-131004-BQ: PCD for a matt finishing (green)			
EIMQ-131006-BQ: PCD – pre-cutter (white)			
EIMQ-131007-BQ: PCD –pre-cutter (yellow)			
EIMQ-131002-BQ: Natural diamond for the transparent finishing (blue)			
EIMQ-131023-BQ: Natural diamond for polycarbonate material (light brown)			
EIMQ-131024-BQ: Natural diamond for extruded material (brown)			
EIMQ-131000-EU: Counterweight for 4-housing polishing disk			
Accessories			
Transformer 230VAC:		Transformer 208VAC:	
Packages			
PALLET PLANKS PACKAGE :		HERMETIC WOODEN CRATE:	
HERMETIC PACKING WOODEN CRATE + NAUTICAL CASE FOR MARITIME TRANSPORT:			

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OPTIONALS

1-bag suction device DE-203/1/3 3CV

Additional clamp

Paralex

Additional supporting table movable:



Automatic inclination head + automatic clamps support:



Buffing system:



Tilt reference screen:



SPARE PARTS

BND-TUBUL/T6-BTO 125x1145mm WOOL FELT BELT, ENLESS SLEEVES (1 unit)

LIQUID POLISHING PASTE R.T. 2095 GLOSS (1 LITRE)



AMI-C3100



The AMI-C acrylic edge polisher has been designed to polish bevels and angles up to 60° thanks to its tilting head (-2° to +60°). The working length of the machine is 3.100 mm and it can polish a maximum thickness of 120 mm.

STANDARD EQUIPMENT:

EIMQ-131301: 4-housing polishing disk of interchangeable tools including:

EIMQ-131001-BQ: PCD for the pre-cutting pass (black) (1 unit)

EIMQ-131003-BQ: PCD for the transparent finishing (red) (1 unit)

EIMQ-131000-EU: Counterweight for 4 housing disk (2 units)

Seven (7) clamps

One (1) fixed support table

Ethernet connection

Standard Electrical Voltage: **400VAC 50Hz**

TOTAL DIMENSIONS: **462 x 160 x 190 cm** | TOTAL WEIGHT: **3000 Kg**

Options

Polishing disks:		
EIMQ-131301-EU: 4-housing polishing disk of interchangeable tools		
Spare tools for disk EIMQ-131100-EU		
EIMQ-131001-BQ: PCD for the pre-cutting pass (black)		
EIMQ-131003-BQ: PCD for the transparent finishing (red)		
EIMQ-131004-BQ: PCD for a matt finishing (green)		
EIMQ-131006-BQ: PCD – pre-cutter (white)		
EIMQ-131007-BQ: PCD –pre-cutter (yellow)		
EIMQ-131002-BQ: Natural diamond for the transparent finishing (blue)		
EIMQ-131023-BQ: Natural diamond for polycarbonate material (light brown)		
EIMQ-131024-BQ: Natural diamond for extruded material (brown)		
EIMQ-131000-EU: Counterweight for 4-housing polishing disk		
Accessories		
Transformer to 230VAC:		Transformer to 208 VAC: