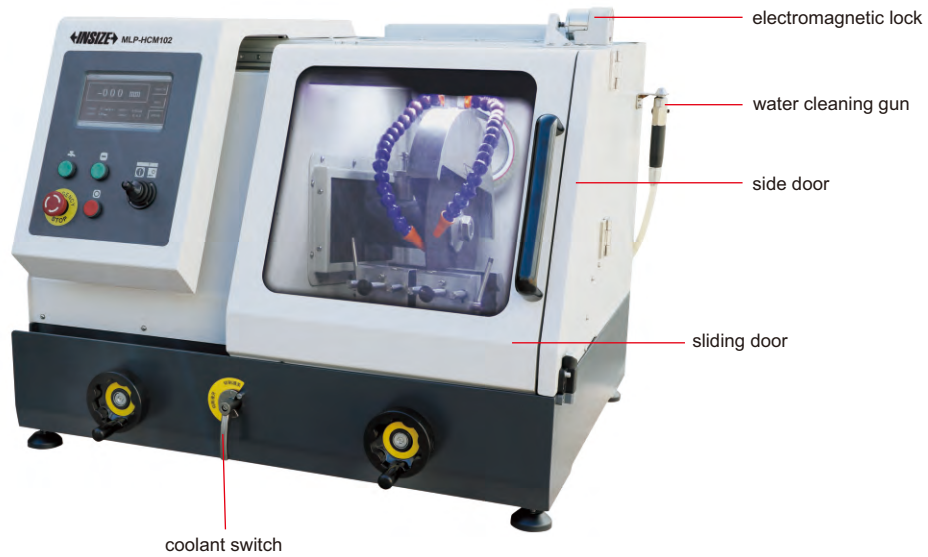


AUTOMATIC CUTTING MACHINE (ADVANCED TYPE) CODE MLP-HCM102



- Suitable for cylinder workpieces (diameters≤100mm) and rectangular samples (height≤70mm, width≤100mm)
- Cooling system avoids overheating and destroying sample structure
- Three cutting modes (manual, pulse, continuous cutting), the cutting feed speed and cutting stroke can be programmed

SPECIFICATION

Maximum cutting diameter	Ø100mm
Cutting blade	Ø350×2.5×Ø32mm
Rotation speed	2200r/min
Spindle travel	145mm
Table travel	300mm
Illumination	LED ceiling light
Noise	≤85dB
Cooling tank	60L
Removable baffle	contain
Table dimension	330×280mm
Power	3kW
Power supply	AC 380V, 50Hz
Dimension	900×860×620mm
Weight	285kg

STANDARD DELIVERY

Main unit	1 pc
Cutting blade	5 pcs
Cutting blade chuck	2 pcs
Coolant	1 barrel (4L)
Water tank	1 pc

OPTIONAL ACCESSORY

Coolant (4L, 1:20 diluted with water)	MLP-CM60-COLT
Cutting blade (Ø350×2.5×Ø32mm, 40 pcs/box)	MLP-HCM102-CUT
Cutting blade chuck (for Ø32mm cutting blade)	MLP-HCM102-CUT2 *
	MLP-CM60-CHUCK

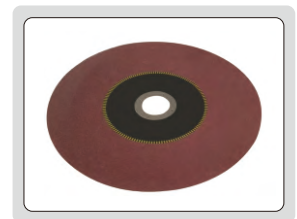
* Special cutting blade for high hardness



coolant (included)



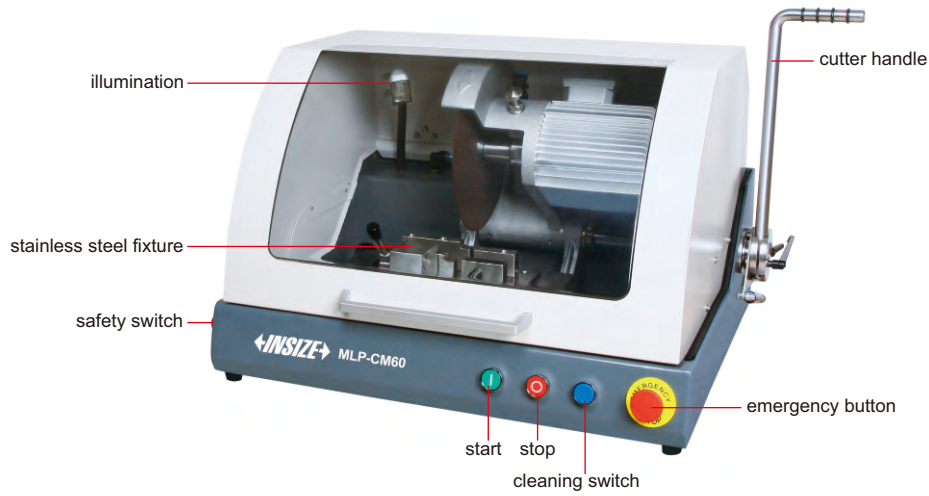
MLP-HCM102-CUT
(included)



MLP-HCM102-CUT2
(optional)



CUTTING MACHINE (STANDARD TYPE) CODE MLP-CM60



- For metal and non-metal materials
- Cooling device avoids overheating and destroying sample structure
- With safety switch, the machine will automatically stop when the cover is opened



SPECIFICATION

Maximum cutting diameter	Ø60mm
Cutting blade	Ø250×1.5×Ø25.4mm
Rotation speed	2800r/min
Motor power	2.2kW
Power supply	AC 380V, 50Hz
Dimension	830×620×450mm
Weight	82kg



cutting blade (optional)

STANDARD DELIVERY

Main unit	1 pc
Cutting blade	2 pcs
Coolant	1 barrel (4L)
Water tank	1 pc



coolant (optional)

OPTIONAL ACCESSORY

Coolant (4L, 1:20 diluted with water)	MLP-CM60-COLT
Cutting blade (Ø250×1.5×Ø25.4mm, 60 pcs/box)	MLP-CM60-CUT2
Cutting blade (Ø250×2×Ø32mm, 50 pcs/box)	MLP-CM60-CUT *
Cutting blade chuck (for Ø32mm cutting blade)	MLP-CM60-CHUCK

* When use MLP-CM60-CUT, please purchase MLP-CM60-CHUCK

CUTTING MACHINE (BASIC TYPE) CODE MLP-CM86



- For metal and non-metal materials
- Cooling device avoids overheating and destroying sample structure

SPECIFICATION

Maximum cutting diameter	Ø80mm
Cutting blade	Ø250×2×Ø32mm
Rotation speed	2800r/min
Power	3kW
Power supply	AC 380V, 50Hz
Dimension	690×790×670mm

STANDARD DELIVERY

Main unit	1 pc
Cutting blade	2 pcs
Coolant	1 barrel (4L)
Water tank	1 pc

OPTIONAL ACCESSORY

Coolant (4L, 1:20 diluted with water)	MLP-CM60-COLT
Cutting blade (Ø250×2×Ø32mm, 50 pcs/box)	MLP-CM86-CUT**
	MLP-CM60-CUT*
Cutting blade chuck (for Ø32mm cutting blade)	MLP-CM60-CHUCK

* When use MLP-CM60-CUT, please purchase MLP-CM60-CHUCK

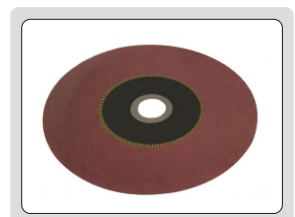
**Special cutting blade for high hardness



coolant (included)



MLP-CM60-CUT (included)



MLP-CM86-CUT (optional)



GRINDER AND POLISHER (ADVANCED TYPE) CODE MLP-GP305



- Replaceable double wheels, rotation direction can be selected
- Multi sample holder, pneumatic single point loading, automatic abrasive distribution
- Adjustable speed
- Water cooling device and abrasive cleaning nozzle prevent samples from overheating and destroying structure
- ABS case and stainless steel parts, anti-corrosion, easy to clean
- Metallographic samples can be roughly ground, finely ground, roughly polished and finely polished

SPECIFICATION

Wheel diameter	Ø250mm (customizable Ø300mm)
Wheel rotation speed	50~1000r/min (stepless adjustable), 150r/min, 300r/min (two fixed speeds)
Wheel rotation direction	clockwise or counterclockwise
Grinding head speed	50~150r/min (stepless adjustable)
Pressure range	5~60N
Operation number	6
Operation time	0~995s
Sample diameter	Ø30mm (customizable Ø22mm, Ø25mm, Ø30mm, Ø40mm, Ø45mm, Ø50mm)
Air pressure	0.6~0.9MPa
Power supply	AC220V, 50Hz
Input power	1.1kW
Dimension	758×785×680mm
Weight	125kg

STANDARD DELIVERY

Main unit	1 pc
Silicon carbide paper	20 pcs each (240, 250, 400, 800, 1200), 100 pcs in total
Polishing cloth	3 pcs each (velvet silk, woolen fabric), 6 pcs in total
Polishing agent	1 pc (W2.5, 500ml)
Spray polish agent	1 pc (W2.5, 350ml)
Magnetic pad	2 pcs (Ø250mm)
Anti-stick disc	3 pcs (Ø250mm)

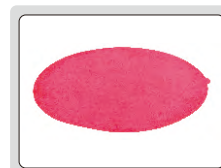
OPTIONAL ACCESSORY

Silicon carbide paper	MLP-GP260-S□□*	50 pcs/box, select granularity: 120, 180, 240, 400, 600, 800, 1000, 1200, 1500, 2000
Polishing cloth	MLP-GP260-CLT	15 pcs/box, long velvet silk material
	MLP-GP305-CLT	15 pcs/box, woolen fabric
Polishing agent	MLP-GP260-D□□*	500ml, select granularity (µm): W40, W28, W20, W14, W9, W7, W5, W3.5, W2.5, W1.5, W1.0, W0.5, W0.25
Spray polish agent	MLP-GP305-D□□*	350ml, select granularity (µm): W40, W28, W20, W14, W10, W7, W5, W3.5, W2.5, W1.5, W1.0, W0.5, W0.25
Magnetic pad	MLP-GP280-PAD	Ø250mm
Anti-stick disc	MLP-GP280-DISC	Ø250mm

*□□ is granularity specification, for example, code MLP-GP260-D40 stands for diamond polishing agent 40µm granularity



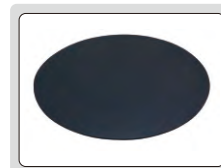
silicon carbide paper (included)



polishing cloth (included)



anti-stick disc (included)



magnetic pad (included)

GRINDER AND POLISHER (ADVANCED TYPE) CODE MLP-GP260



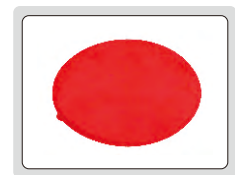
- ABS case and stainless steel parts, anti-corrosion, easy to clean
- Can hold up to 4 samples (6 holes are optional and can hold up to 6 samples)
- Smooth rotation, low noise
- Adjustable speed
- Water cooling device and abrasive cleaning nozzle prevent samples from overheating and destroying structure
- Wheel rotation direction can be selected
- Replaceable wheel

SPECIFICATION

Wheel diameter	Ø250mm
Wheel rotation speed	50~999r/min (stepless adjustable), 150 or 300r/min (two fixed speeds)
Wheel rotation direction	clockwise or counterclockwise
Grinding head speed	50~150r/min (stepless adjustable)
Pressure range	5~60N
Operation time	5~995s
Sample diameter	Ø30mm (can be customized)
Air pressure	0.6~0.9MPa
Power supply	AC 220V, 50Hz
Input power	1.1kW
Dimension	594×795×687mm
Weight	98kg



silicon carbide paper
(optional)



polishing cloth (optional)

STANDARD DELIVERY

Main unit	1 pc
Silicon carbide paper	6 pcs (200, 600, 1000)
Polishing cloth	4 pcs

OPTIONAL ACCESSORY

Silicon carbide paper	MLP-GP260-S□□*	50 pcs/box, select granularity: 120, 180, 240, 400, 600, 800, 1000, 1200, 1500, 2000
Polishing cloth	MLP-GP260-CLT	15 pcs/box, long velvet silk material
Diamond polishing agent	MLP-GP260-D□□*	500ml, select granularity (µm): W40, W28, W20, W14, W9, W7, W5, W3.5, W2.5, W1.5, W1.0, W0.5, W0.25

* □□ is granularity specification, for example, code MLP-GP260-D40 stands for diamond polishing agent 40µm granularity



GRINDERS AND POLISHERS (STANDARD TYPE)

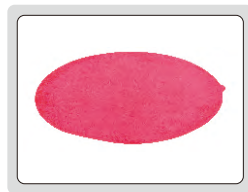
- ABS case and stainless steel parts, anti-corrosion, easy to clean
- Replaceable double wheel, wheel can be controlled independently, rotation direction can be selected
- Smooth rotation, low noise
- Four fixed speeds/stepless adjustable speed
- Water cooling device, prevent samples from overheating and destroying structure
- Metallographic samples can be roughly ground, finely ground, roughly polished and finely polished



MLP-GP280



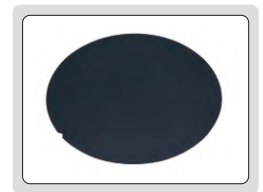
silicon carbide paper (optional)



polishing cloth (optional)



magnetic pad (optional)



anti-stick disc (optional)

SPECIFICATION

Code	MLP-GP270	MLP-GP280
Wheel diameter	Ø203mm	Ø250mm
Wheel rotation speed	0-1400r/min (stepless adjustable)	0-1000r/min (stepless adjustable)
Wheel rotation direction	clockwise or counterclockwise	
Fixed speed	150r/min, 300r/min, 600r/min, 1000r/min	
Power supply	AC 220V, 50Hz	
Input power	1.5kW	
Dimension	758×785×310mm	
Weight	50kg	

STANDARD DELIVERY

Main unit	1 pc
Silicon carbide paper	5 pcs each (240, 400, 800, 1200), 20 pcs in total
Polishing cloth	3 pcs
Polishing agent	1 pc

OPTIONAL ACCESSORY

Silicon carbide paper	MLP-GP260-S□□*	50 pcs/box, select granularity: 120, 180, 240, 400, 600, 800, 1000, 1200, 1500, 2000
Polishing cloth	MLP-GP260-CLT	15 pcs/box, long velvet silk material
Diamond polishing agent	MLP-GP260-D□□*	500ml, select granularity (µm): W40, W28, W20, W14, W9, W7, W5, W3.5, W2.5, W1.5, W1.0, W0.5, W0.25
Magnetic pad	MLP-GP270-PAD	Ø200mm
	MLP-GP280-PAD	Ø250mm
Anti-stick disc	MLP-GP270-DISC	Ø200mm
	MLP-GP280-DISC	Ø250mm

* □□ is granularity specification, for example, code MLP-GP260-D40 stands for diamond polishing agent 40µm granularity

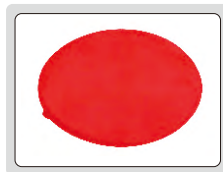
GRINDER AND POLISHER (BASIC TYPE) CODE MLP-GP314



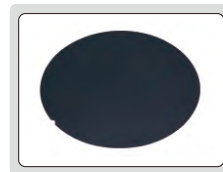
- Double wheels, rotation direction can be selected
- Smooth rotation, low noise
- Water cooling device, prevent samples from overheating and destroying structure
- Replaceable silicon carbide paper and polishing cloth for grinding and polishing process



silicon carbide paper
(included)



polishing cloth (included)



anti-stick disc (optional)



magnetic pad (optional)

SPECIFICATION

Wheel diameter	Ø203mm
Wheel rotation speed	0~1400r/min (stepless adjustable)
Wheel rotation direction	clockwise or counterclockwise
Power supply	AC 220V, 50Hz
Input power	0.75kW
Dimension	755×700×310mm
Weight	50kg

STANDARD DELIVERY

Main unit	1 pc
Silicon carbide paper	5 pcs each (240, 400, 800, 1200), 20 pcs in total
Polishing cloth	4 pcs
Polishing agent	1 pc (W2.5, 500ml)

OPTIONAL ACCESSORY

Silicon carbide paper	MLP-GP260-S□□*	50 pcs/box, select granularity: 120, 180, 240, 400, 600, 800, 1000, 1200, 1500, 2000
Polishing cloth	MLP-GP260-CLT	15 pcs/box, long velvet silk material
Diamond polishing agent	MLP-GP260-D□□*	500ml, select granularity (µm): W40, W28, W20, W14, W9, W7, W5, W3.5, W2.5, W1.5, W1.0, W0.5, W0.25
Magnetic pad	MLP-GP314-PAD	Ø203mm
Anti-stick disc	MLP-GP314-DISC	Ø203mm

*□□ is granularity specification, for example, code MLP-GP260-D40 stands for diamond polishing agent 40µm granularity



MOUNTING PRESSES (ADVANCED TYPE)



MLP-MP43



MLP-MP53

- Built-in heating and cooling structure reduces the mounting time to 6 minutes
- The programmed control system reserves 10 customized preparation schemes to meet different mounting requirements
- The thickness of the middle mold is up to 15mm, and 2 samples can be mounted at the same time at one station
- Can accurately control the pressure size, adjustment range: 1~20MPa



hot mounting resin (included)

SPECIFICATION

Code	MLP-MP43	MLP-MP53
Station number	1	2
Power	600W+heating power*	700W+heating power×2
Mounting diameter	Ø30mm (customizable Ø25, Ø40, Ø50mm)	
System pressure	1~20MPa, optional increase or decrease 1MPa	
Pressure mode	automatic electro-hydraulic	
Cooling mode	automatic water cooling**	
Heating range	90~200°C	
Holding time	0~10min	
Cooling temperature/time	40~90°C/0~10min	
Power supply	AC 220V, 50Hz	
Dimension	530×485×463mm	671×485×463mm
Weight	44kg	77kg

* Heating power of mounting sleeve: 1800W (mounting diameter≤31.8mm), 2400W (mounting diameter≥38.1mm)

** Cooling water pressure should not be higher than 1MPa, must be filtered through 40µm filter

STANDARD DELIVERY

Main unit	1 pc
Hot mounting resin	1 bottle (250g)
Funnel	1 pc
Filter	1 pc
Vacuum cleaner tip	1 pc

OPTIONAL ACCESSORY

Hot mounting resin (black, 4kg)	MLP-MP30-PDR
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MOUNTING PRESS (STANDARD TYPE) CODE MLP-MP30



- Automatic heating, pressuring, cooling and pressure relief
- Water cooling system



hot mounting resin (optional)

SPECIFICATION

Diameter of workpiece	Ø30mm
Heating temperature range	100~200°C
Delay range	0~999s
Hold time	0~999s
Cooling temperature	20~90°C
Heating power	600W
Power supply	AC 220V, 50Hz
Dimension	350×450×470mm
Weight	45kg

STANDARD DELIVERY

Main unit	1 pc
Hot mounting resin	1 bottle (250g)
Funnel	1 pc

OPTIONAL ACCESSORY

Hot mounting resin (black, 4kg)	MLP-MP30-PDR
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MOUNTING PRESS (BASIC TYPE) CODE MLP-MP62



- Suitable for tiny, difficult to handle or irregular metallographic and petrographic samples
- The sample preparation program has three modes: bakelite powder, electric jade powder and user-defined
- The sample preparation program controls the sample preparation time and realizes unattended sample preparation



hot mounting resin (included)

SPECIFICATION

Mounting diameter	Ø30mm (customizable Ø22mm, Ø45mm)
Heating range	room temperature~200°C
Timing range	0~30min
Power	≤800W
Power supply	AC220V, 50Hz
Dimension	440×253×310mm
Weight	32kg

STANDARD DELIVERY

Main unit	1 pc
Hot mounting resin	1 bottle (60g)
Funnel	1 pc

OPTIONAL ACCESSORY

Hot mounting resin (black, 4kg)	MLP-MP30-PDR
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SALT SPRAY TESTER CODE SFT-S210R



- Using plastic precision nozzle and conical spray device, the salt spray drops evenly and rapidly, the nozzle has a long working life and does not crystallize.
- The spraying time can be controlled internally without external time relay.
- The flow rate of salt water and the pressure of compressed air are regulated by flow meter and pressure regulating valve to ensure uniform salt spray settlement.
- Manual water adding system can automatically replenish when the water level is insufficient to ensure uninterrupted test.

SPECIFICATION

Test condition	suitable for neutral and acid salt spray test
Working chamber dimension (WxHxD)	900x500x600mm
Working chamber volume	270L
Saline tank volume	25L
Working chamber temperature	35±1°C
Saturated barrel temperature	47±1°C
Saline temperature	35±1°C
Heating mode	heat radiation
Spray mode	continuous, intermittent
Test fluid	neutral: purified water+sodium chloride (PH6.5~7.2)
Compressed air pressure	2~3kgf/cm ²
Power supply	AC 220V, 1Ø, 50HZ, 2kW
Dimension (WxHxD)	1560x1250x910mm
Weight	118kg

STANDARD DELIVERY

Main unit	1 pc
Stick	1 group
Sodium chloride	2 bottles
10L salt water preparation measuring cup	1 pc
80ml standard cup	2 pcs
50ml metering cup	2 pcs



TEMPERATURE AND HUMIDITY TESTER CODE THT-A101T



- The tester is equipped with an independent operation system with 7-inch touch screen controller.
- Intelligent refrigeration and dehumidification system, combined with energy-saving control algorithm, can adjust the refrigeration level and save energy. Compared with traditional machines, it can save 30~45% of electricity.
- It can output excel data report through USB port.

SPECIFICATION

Working chamber dimension (WxHxD)		500x600x500mm
Working chamber volume		150L
Temperature range		-40~150°C
Humidity range		10~98%RH
Temperature/humidity fluctuation		±0.5°C, ±2.5%RH
Temperature/humidity uniformity		<2°C, 5%RH
Temperature/humidity stability		0.2°C, 2%RH
Temperature/humidity deviation		±2°C, 3%RH
Warming up time		about 3°C/min
Cooling time		about 1°C/min
Material	case material	cold rolled steel plate+varnish
	working chamber material	SUS#304 stainless steel
	thermal insulation material	Rigid polyurethane foam
Freezing system		compressor
Protector		no fuse switch, compressor overpressure, overheat protection, overtemperature protection, overload protection, dry burning protection, water shortage protection, etc
Power supply		AC 220V/380V, 3Ø, 50/60HZ, 4.5kW
Dimension (WxHxD)		800x1660x1400mm
Weight		365kg

STANDARD DELIVERY

Main unit	1 pc
Test hole	1 pc
Shelf	2 pcs