

AUTOMATIC/MANUAL METALLURGICAL SAMPLE CUTTER

- LCD displays all cutting data
- The specimens to be cut range from Ø5mm/0.2" to Ø80mm/3.1" for ISJ-CM80 and Ø5mm/0.2" to Ø100mm/3.9" for ISJ-CM100
- Manual cutting and automatic cutting can be changed over at random
- Large cutting chamber and tempered-glass view window
- Non-burn movable cutting mode improves cutting quality
- Automatic retract at the end of cutting operation
- Dual-direction feed increases the depth of cutting
- Effective cooling system reduces the risk of burns

Technical specification

Model	ISJ-CM80	ISJ-CM100
Cutting speed	2.25, 3, 4, 5, 7, 9, 12, 15 mm/min	
Rotate speed of abrasive wheel	2100 r/min	
Specifications of abrasive wheel	350×2.5×32 mm/13.78×0.10×1.26"	
Max. cutting capacity	80×200mm/3.1×7.9"	100×200mm/3.9×7.9"
Dimensions of cutting table	310×280mm/12.2×11.0"	
Power supply	380V/50 Hz or 60Hz	
Dimensions	780×800×600mm	930×700×610mm

Standard delivery

Main unit	1pc
Cutting wheel	1pc
Wrench	3pcs
Water tank	1pc
Inflow and outflow water pipe	2pcs





MODEL ISJ-MSC

METALLURGICAL SAMPLE CUTTER

Technical specification

Maximum cutting diameter	Ø30mm/1.2"
Cutting wheel	250×2×32mm/9.8×0.08×1.3"
Rotation speed	2800r/min
Power supply	AC 380V 50Hz
Dimension	470×390×360mm
Weight	60kg/132lbs

Standard delivery

Main unit	1pc
Cutting wheel	2pcs
Wrench	2pcs
Anti-dust cover	1pc

MODEL ISJ-MPA1000

AUTOMATIC GRINDING/POLISHING MACHINE

Technical specification

Diameter of disc	Ø250mm/9.8"
Variable disc speed	50-600r/min (stepless speed change)
Constant disc speed	150r/min, 300r/min
Max. diameter of sample	Ø30mm/1.2"
Rotation direction	clockwise or counter clockwise
Start	slow start
Force range	1-200N
Sampling time	0-999s
Power supply	AC 220V 50Hz (standard) AC 110V 60Hz (option)
Dimension	660×380×640mm
Weight	45kg/99lbs

Standard delivery

Main unit	1pc
Grinding disc	1pc
Polishing disc	1pc
Grinding abrasive paper	2pcs
Polishing cloth	1pc
Inflow and outflow water pipe	2pcs
Clamp	1pc

- Mechanic central forcing
- Rotate speed display in digit
- Sampling time is adjustable
- Polishing with stepless speed control
- Quick change polishing disk design
- Preparing for six samples simultaneously
- With one-key restore program function
- Water spray system reaches the entire surface of the plate, avoiding overheating of the samples
- With emergency stop button



MODEL ISJ-MB1

MANUAL GRINDING/POLISHING MACHINE

- Stepless speed control
- Quick change polishing/grinding disk design
- Water spray system reaches the entire surface of the plate, avoiding overheating of the samples
- Rotate speed display in digit

Technical specification

Diameter of grinding disc	Ø230mm/9.1"
Diameter of polishing disc	Ø200mm/7.9"
Variable disc speed	0 -1000r/min (stepless speed change)
Power supply	AC 220V 50Hz (standard)
	AC 110V 60Hz (option)
Dimension	615×380×270mm
Weight	30kg/66lbs

Standard delivery

Main unit	1pc
Grinding disc	1pc
Polishing disc	1pc
Grinding abrasive paper	2pcs
Polishing cloth	1pc
Inflow and outflow water pipe	2pcs





MOUNTING PRESS

- Automatic electricity cut off after finishing molding
- Timer controls the molding time

Technical specification

Model	ISJ-MS22	ISJ-MS30	ISJ-MS45
Size of specimen	Ø22x15mm (0.9x0.6")	Ø30x15mm (1.2x0.6")	Ø45x18mm (1.8x0.7")
Power	650 W		
Max. control temperature	180°C/356°F		
Time control range	0-30min.		
Pressure control	hand wheel with pressure ready sensor		
Power supply	AC 220V 50Hz (standard) AC 110V 60Hz (option)		
Dimension	340 x 270 x 400mm		
Weight	33kg/73lbs		

Standard delivery

Main unit	1pc
Heater	1pc
Filler	1pc
Anti-dust cover	1pc