TOP TECH

C Abrasive Cutter

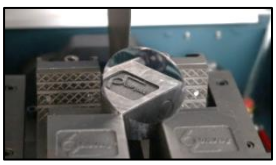
ALTOCUT-CK SERIES

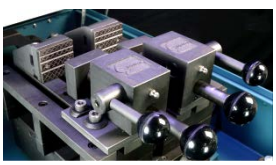
CK200B/CK200M are floor standing cutting machine with manual and automatic cutting modes, which are especially designed for small sample sectioning. T-slot table with quick clamping vise not only decreases the time for specimen clamping but also gets a perfect surface at the same time. LED illumination and magnetic cleaning spray gun provide operator an user-friendly operation environment.

CK200B

Model	Voltage /Phase	Power	Order No.	Weight
CK200B (Auto.)	220V/3ϕ	1HP (750W)	10-031-220	226kgs
		2HP (1500W)	10-032-220	230kgs
		3HP (2300W)	10-033-220	250kgs
	380V/3ϕ	1HP (750W)	10-031-380	226kgs
		2HP (1500W)	10-032-380	230kgs
		3HP (2300W)	10-033-380	250kgs
CK200M (Manual)	220V/3ϕ	1HP (750W)	10-041-220	212kgs
		2HP (1500W)	10-042-220	218kgs
		3HP (2300W)	10-043-220	230kgs
	380V/3ϕ	1HP (750W)	10-041-380	212kgs
		2HP (1500W)	10-042-380	218kgs
		3HP (2300W)	10-043-380	230kgs

- Dimension (W*D*H): 830 x850 x1300mm (CK200M); 830x 900 x1300mm (CK200B)
- Accessories: Spanner 2pcs, Cut-off wheel 2pcs, Hex wrench 1set, Coolant 3L
- Cutting capacity: Up to Ø60mm(CK200B-3HP)





Sectioning

Abrasive Cutter

ALTOCUT-CK SERIES

CK260/CK360/CK460 deliver constant powerful sectioning through automatic and manual cutting modes with a cutting stroke from 260mm to 460mm. Most of samples can be sectioned by CK series. T-slot table with quick clamping vise not only decreases the time for specimen clamping but gets a perfect surface at the same time. LED illumination and magnetic cleaning spray gun provide operator an user-friendly operation environment.

CK260B

Model	Voltage /Phase	Power	Order No.	Weight
CK260B	220V/3ϕ	3HP (2300W)	10-123-220	358kgs
	220V/3ϕ	5HP (3800W)	10-124-220	365kgs
	380V/3ϕ	3HP (2300W)	10-123-380	358kgs
	380V/3ϕ	5HP (3800W)	10-124-380	365kgs
CK360	220V/3ϕ	5HP (3800W)	10-134-220	454kgs
	220V/3ϕ	7.5HP (5600W)	10-135-220	476kgs
	380V/3ϕ	5HP (3800W)	10-134-380	454kgs
	380V/3ϕ	7.5HP (5600W)	10-135-380	476kgs
CK360B	220V/3ϕ	5HP (3800W)	10-144-220	454kgs
	220V/3ϕ	7.5HP (5600W)	10-145-220	476kgs
	380V/3ϕ	5HP (3800W)	10-144-380	454kgs
	380V/3ϕ	7.5HP (5600W)	10-145-380	476kgs
CK460	220V/3ϕ	10HP (7500W)	10-156-220	503kgs
	380V/3ϕ	10HP (7500W)	10-156-380	503kgs
CK460B	220V/3ϕ	10HP (7500W)	10-166-220	503kgs
	380V/3ϕ	10HP (7500W)	10-166-380	503kgs

- Dimension (W*D*H)
  1000 x1100x1550mm (CK260B)
  1050 x1250x1620mm (CK360B)
  1050 x1450x1620mm (CK460B)
- Accessories: Spanner 2pcs, Cut-off wheel 2pcs, Hex wrench 1set, Coolant 5L (CK260B)/ Coolant 6L (CK360B、CK460B)
- Cutting capacity: Up to Ø120mm(CK460B)
- CK series with 7.5HP motor or over 7.5HP motor are equipped with overload protection (CK001). The rest of machines are optional.

TOP TECH

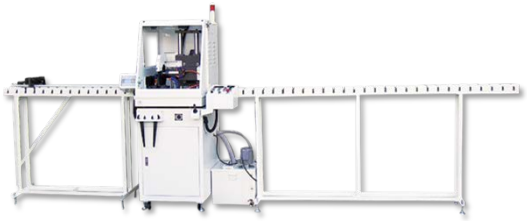
C Abrasive Cutter

ALTOCUT-CF SERIES

CF100/CF120/CF150/CF200 are fully automatic cut-off machine, which are especially designed for long sample sectioning. The cutting method adopts vertical cutting system with a cutting stroke of 200mm height. The maximum cutting capacity could be up to 120mm in diameter.

CF200

Model	Voltage /Phase	Power	Order No.
CF100	220V/3ϕ	2HP (1500W)	11-212-220
	380V/3ϕ	2HP (1500W)	11-212-380
CF120	220V/3ϕ	3HP (2300W)	11-223-220
	380V/3ϕ	3HP (2300W)	11-223-380
CF150	220V/3ϕ	5HP (3800W)	11-234-220
	380V/3ϕ	5HP (3800W)	11-234-380
CF200	220V/3ϕ	10HP (7500W)	11-246-220
	380V/3ϕ	10HP (7500W)	11-246-380



- Dimension (W*D*H) 1750x1510x2000mm(CF100, CF120, CF150)
  1450x1700x1850mm(CF200)
- Accessories Spanner 2pcs, Cut-off wheels 2pcs, Hex wrench 1set, Coolant 5L (CF100, CF120, CF150)/ Coolant 6L(CF200)
- Cutting capacity: Up to Ø120mm(CF200)

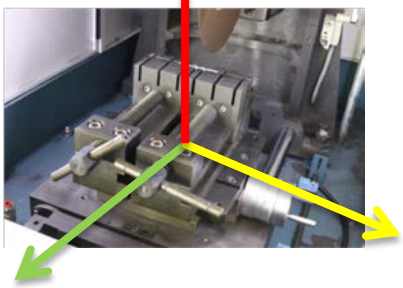
TOP TECH

C Abrasive Cutter

ALTOCUT-CF SERIES

With a cutting stroke of 250mm in Y axis (feeding movement) and 200mm in Z axis (vertical movement), CF250A is a versatile abrasive cutting machine for sectioning a wide range of samples. Besides, various kinds of vise can be selected according to different cutting requirements. Automatic sensing door always guarantees the safety during the operation.

Model	Voltage /Phase	Power	Order No.
CF250A	220V/3ϕ	3HP (2300W)	11-013-220
	380V/3ϕ	3HP (2300W)	11-013-380



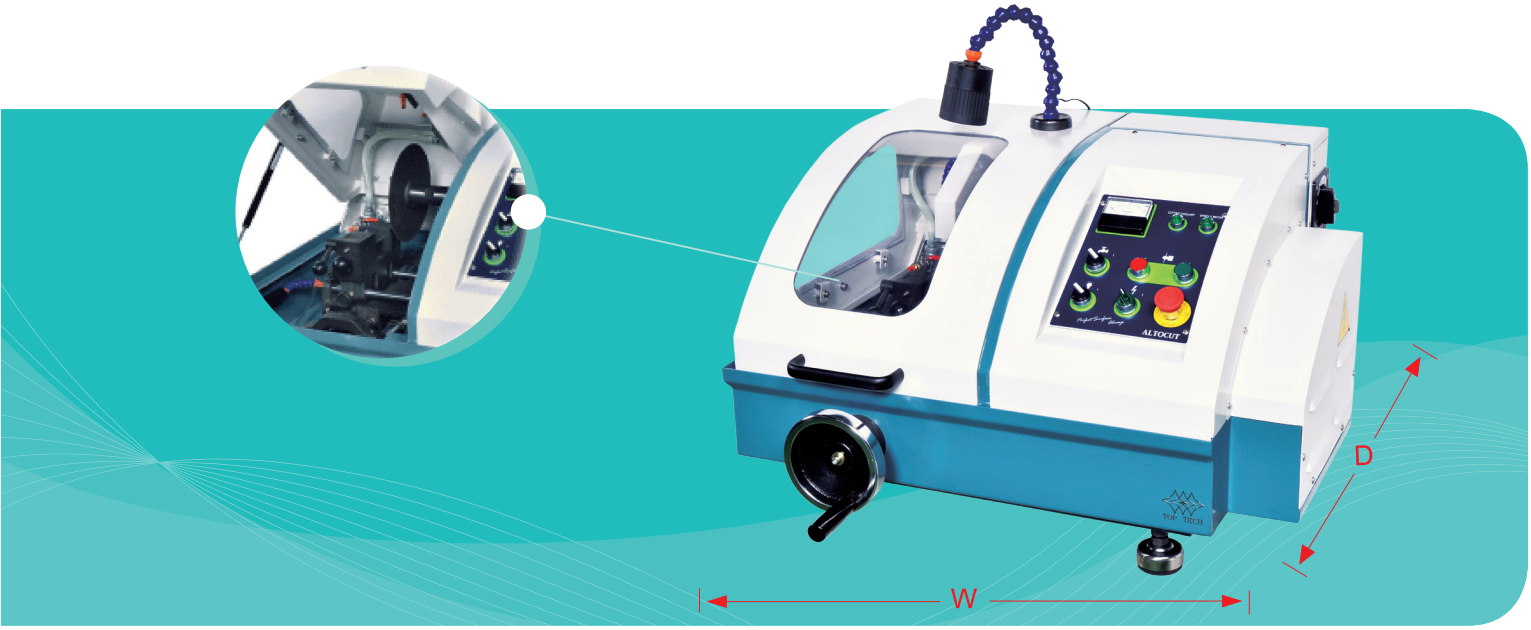
Feeding movement
X:250mm

- Dimension (W*D*H) 750x1100x1800mm
- Weight 580kgs
- Accessories Spanner 2pcs, Cut-off wheel 2pcs, Hex wrench 1set, Coolant 3L
- Cutting capacity: Up to Ø60mm

PRECISO-CL SERIES

Table top manual abrasive cutter

It is a compact and powerful, table-top manual abrasive cutter, that fits well into any metallographic or materials oriented lab. With a robust 1~3HP motor. It is a work horse that can hold up to continual heavy use.



MODEL NO.	35C	50C	70C
Motor Power	1HP	2HP	3HP
Max. Round Sample	Max.Ø35mm	Max.Ø50mm	Max.Ø70mm
Cut-Off Blade	Max.Ø230xØ31.75	Max.Ø255xØ31.75	Max.Ø255xØ31.75
Cutting Depth	200mm	200mm	260mm
Machine Size (WxDxH)	850x900x500mm	850x900x500mm	950x1100x500mm
Weight	154kg	154kg	210kg
Feeding Method	Manual		
Rotational Speed	2500rpm/3000rpm (50HZ / 60HZ)	2500rpm/3000rpm (50HZ / 60HZ)	2100rpm/2500rpm (50HZ / 60HZ)
Power Supply	AC220 / 380V-3Ø		

TOP TECH

Precision Diamond Saw

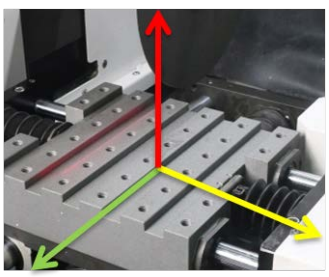
ALTOCUT-CL SERIES

With 7 inch colorful touch panel and three axes precision cutting, CLM50 is characterized by easy programming and intuitive operation. It packed with user friendly function such as zeroing, fast positioning and cutting distance setting. Powerful LED illumination makes the observation more easily and electromagnetic lock provides user a safe environment for operation.

- Dimension (W*D*H) 850x850x600mm
- Weight 166kgs
- Accessories Hex wrench 1set, Coolant 3L
- Cutting capacity: Up to Ø50mm

Model	Voltage /Phase	Power	Order No.
CLM50	110V/1ϕ	1500W	13-410-110
	220V/1ϕ	1500W	13-410-220

Z:50mm



Y:80mm (Option)
Serial cutting

X:200mm

Sectioning

Precision Diamond Saw

ALTOCUT-CL SERIES

Precision low speed diamond saw is well established in the laboratory for sectioning a wide variety of small and delicate samples with minimum deformation by gravity cutting method. CL40 is the lab oriented diamond saw for easy operation, while CL50 is more intuitive with touch panel. The rotational speed of CL50 is from 150 to 2000 rpm.

- Dimension (W*D*H) 440x420x350mm
- Weight 19kgs
- Accessories Hex wrench 1set, Coolant 1L, Standard chuck
- Horizontal movement 0.01~25mm
- Cutting capacity: Up to Ø40mm

- Dimension (W*D*H) 570x620x450mm
- Weight 43kgs
- Accessories Tool set 1set, Hex wrench 1set, Coolant 1L, Standard chuck
- Horizontal movement 40mm
- Cutting capacity: Up to Ø50mm

Model	Voltage /Phase	Power	Order No.
CL40	110V/1ϕ	40W	13-010-110
	220V/1ϕ	40W	13-010-220

Model	Voltage /Phase	Power	Order No.
CL50	110V/1ϕ	120W	13-020-110
	220V/1ϕ	120W	13-020-220

Accessories

CL40

CL400044A-Standard
Single saddle chuck (Ø40mm)

CL400051A
Irregular specimen chuck (25*19*38mm)

CL400052-L
Single saddle chuck (Ø20mm)

CL400053
Bar & tube chuck (Ø14mm)

CL400054
Fragile specimen chuck

CL400055-D
Dual saddle chuck (Ø20mm)

CL50051001A
Mount chuck (Ø32mm)

CL50

CL500508-Standard
Single saddle chuck (Ø40mm)

CL500505A
Irregular specimen chuck (50*30*60mm)

CL500506
Bar & tube chuck (Ø40mm)

CL500507
Fragile specimen chuck

CL500509
Dual saddle chuck (Ø50mm)

CL50051001A
Mount chuck (Ø32mm)

CL5006
Cutting platform (274*550mm)

CL500516
Slide clamping

TOP TECH

Mounting Press

PRESIDON-ML SERIES

Type MA is a semi- automatic mounting press which combines simple design and user-friendly functions, with powerful heating elements. Model MA is able to form one to two samples while model MA-E3 can form one to three samples at the sample time.

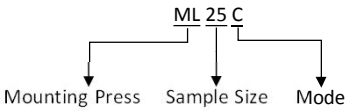
- Dimension (W*D*H) 500x590x650mm(MA) 500x590x710mm(MA-E3)
- Accessories Tweezers 1pc, Funnel 1pc, Submerged pump 1set, Resin spoon 1pc, Mounting resin 1kg(2.2lb), Spacer(E3) 2pcs

Model	Voltage/ Phase	Size	Order No.	Weight
ML-MA	220V/1ϕ	Ø25	20-0101-220	65kgs
		Ø25.4	20-0102-220	
		Ø30	20-0103-220	
		Ø31.75	20-0104-220	
		Ø32	20-0105-220	
		Ø38.1	20-0106-220	66kgs
		Ø40	20-0107-220	
		Ø50	20-0108-220	
		Ø50.4	20-0109-220	
ML-MA-E3	220V/1ϕ	Ø25	20-0201-220	68kgs
		Ø25.4	20-0202-220	
		Ø30	20-0203-220	
		Ø31.75	20-0204-220	
		Ø32	20-0205-220	
		Ø38.1	20-0206-220	71kgs
		Ø40	20-0207-220	
		Ø50	20-0208-220	
		Ø50.4	20-0209-220	

Hydraulic Automatic Mounting Press

PRESIDON-ML SERIES

Patent



- Silent type – 52dB for up and down of the hydraulic cylinder
- High-strength top cover
- 40 memory modes for application
- 'One touch' finishes the whole procedures of pressure adding, heating, and cooling
- Suitable for metal, ceramic and other samples, which are NOT sensitive to high temperature, high pressure and non-fragile

Easy for maintenance

The screw thread fixture

Model	ML25C ML31.75C ML25.4C ML32C ML30C	ML38.1C ML50C ML40C
Sample Quantity	1~2PCS/ per time (optional spacer for 2pcs)	
Spacer (Option)	Ø25 (ML25AE0211-2) Ø25.4 (ML25AE0211-1) Ø30 (M30CA0002-4) Ø31.75 (M32C0011-3) Ø32 (M32C0006-8)	Ø38.1(ML38AE0206-2) Ø40 (M40C0006-5) Ø50 (ML50DG0210-4)
Temperature (˚C)	0~250	
Heating Power (W)	1600	2400
Total Power (W)	2000	2770
Sample Pressure	110-450 kg/cm^2 (1565-6400 psi/ 107-441 Bar) Max. sample pressure in the cylinder depending on the mount size. Please inform us in advance if special demands are required.	
Heating Time (s)	Max. 3600 (60 mins)	
Cooling Time (s)	Max. 1800 (30 mins)	
Memory Mode (set)	40 (Heating temperature, heating time, and cooling time)	
Machine Dimension WxDxH (mm)	540x560x625	
Machine Weight (kg)	70	71
Power Supply (V)	AC 220V 1Ø	

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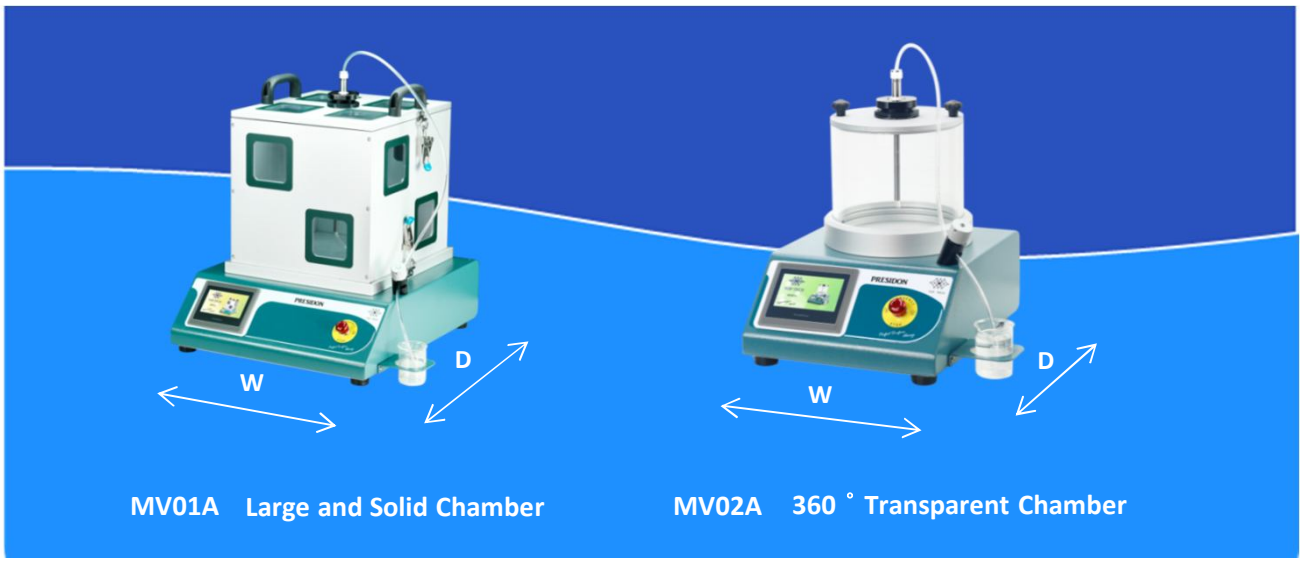
Intelligent Vacuum Impregnation

PRESIDON-MV SERIES

MV 01 A
Vacuum Impregnation | Sequence | Automatic

- Intelligent Automatic Machine with intuitive HMI touch panel
- Up to ninety-nine degassing circles and adjustable time as well as pressure
- 8 memory modes for application
- Flexible and convenient epoxy inhalation design and maximizing the chamber utilization
- Suitable for IC, electronic component, PCB and other samples, which are SENSITIVE to high temperature, high pressure and fragile



Model	MV01A	MV02A
Max. Vacuum Pressure	-600 mm-Hg (-0.799 bar/-79.993 kpa/ -11.602 psi)	-500 mm-Hg (-0.666 bar/-66.661 kpa/ -9.668 psi)
	Can be customized between -350~-600	
Vacuum Pump Motor Power (W)	180	
Pump Flow (L/min)	50	
Vacuum Chamber Size (mm)	300x330x300	Ø180x160
Pressure Relief Method	Programmable	
Machine Dimension WxDxH (mm)	540x550x560	390x400x410
Machine Weight (kg)	45	20
Pump Dimension WxDxH (mm)	155x235x210	
Pump Weight (kg)	7	
Power Supply (V)	AC 110/220V 1Ø	

Sample after cold mounting

TOP TECH

Grinder/ Polisher

PLATO-E SERIES

E series are excellent in manual preparation for standard application. The platen speed is controlled from 50 to 600rpm, in either clockwise or counterclockwise direction, with a steady and consistent torque. The construction with stronger spindle and durable base ensure the machine's stability. The full series of grinding and polishing machines are made from corrosion-resistant and impact-proof materials.

Model	Voltage/ Phase	Platen Diameter	Order No.	Specimen Size	Weight
E-F	110V/1ϕ	200	30-111-110	Manual	32kgs
		250	30-112-110		34kgs
		300	30-113-110		63kgs
	220V/1ϕ	200	30-111-220		32kgs
		250	30-112-220		34kgs
		300	30-113-220		63kgs

- Dimension (W*D*H): 450x650x380mm (Platen dimension: 8" or 10") 500x800x500mm (Platen dimension:12")
- Accessories: Grinding platen 1pc, O ring 1pc, Splash guard 1pc, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc

Model	Voltage/ Phase	Platen Diameter	Order No.	Specimen Size	Weight
E-FR	110V/1ϕ	200	30-211-110	Manual	55kgs
		250	30-212-110		60kgs
		300	30-213-110		100kgs
	220V/1ϕ	200	30-211-220		55kgs
		250	30-212-220		60kgs
		300	30-213-220		100kgs

- Dimension (W*D*H): 750x690x460mm (Platen dimension: 8" or 10") 850x750x460mm (Platen dimension:12")
- Accessories: Grinding platen 1pc, O ring 1pc, Polishing platen 1pc, Splash guard 2pcs, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc

Grinding/Polishing

Grinder/ Polisher

PLATO-E SERIES

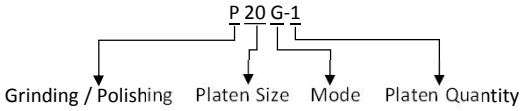
The twin-motor design provides the user a convenient operation. The platens are controlled individually that means you could do two different grinding or polishing process simultaneously.

Model	Voltage/ Phase	Platen Diameter	Order No.	Specimen Size	Weight
E-FRD	110V/1ϕ	200	30-231-110	Manual	78kgs
		250	30-232-110		83kgs
		300	30-233-110		123kgs
	220V/1ϕ	200	30-231-220		78kgs
		250	30-232-220		83kgs
		300	30-233-220		123kgs

- Dimension (W*D*H): 750x690x460mm (Platen dimension: 8“ or 10”) 850x750x460mm (Platen dimension:12“)
- Accessories: Grinding platen 1pc, O ring 1pc, Polishing platen 1pc, Splash guard 2pcs, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc

Precision Manual Grinding & Polishing

PLATO-E SERIES



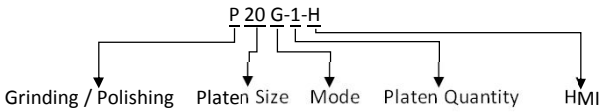
Patent

- Flexible and modularized control box maximizing the space utilization
- Superior industrial plastic body
- Retractable water hose, rinse and spin, and CW/ CCW control
- Multiple choices of platen application, and able to employ diamond discs (Optional) ensuring the flatness
- Compatible with dispenser (Optional)

Model	P20G-1	P25G-1	P20G-2	P25G-2
Platen Size (mm)	Ø203.2 (8”)	Ø254 (10”)	Ø203.2 (8”)	Ø254 (10”)
Platen Quantity	1		2	
Grinding Method	Manual			
Platen Motor Power (W)	400			
Platen Rotational Speed (rpm)	1~600 (Effective Rotational Speed 10~600)			
Machine Dimension WxDxH (mm)	552x698x572		872x698x572	
Machine Weight (kg) AC110V 1Ø	46	47	75	77
Machine Weight (kg) AC220V 1Ø	36	37	65	67
Standard Accessories	Polishing Platen 1pc, Anti-Splash Cover 1 pc, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc		Grinding Platen 1pc, O-Ring 1pc, Polishing Platen 1pc, Anti-Splash Cover 2pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc	
Option	P20F0027 Dispenser Set for One Bottle, P20F0028 Dispenser Set for Four Bottles, PA0108-1 8” Anti-Splash Cover (Manual), PA0108 10” Anti-Splash Cover (Manual), PA0108-3 8” Anti-Splash Cover (Auto), PA0108-4 10” Anti-Splash Cover (Auto)			

Precision HMI Manual Grinding & Polishing

PLATO-E SERIES



Patent

- 7” HMI touch panel
- Flexible and modularized control box maximizing the space utilization
- Superior industrial plastic body
- Retractable water hose, rinse and spin, and CW/ CCW control
- Multiple choices of platen application, and able to employ diamond discs (Optional) ensuring the flatness
- Automatic and programmable dispenser (Optional)

Model	P20G-1-H	P25G-1-H	P20G-2-H	P25G-2-H
Platen Size (mm)	Ø203.2 (8”)	Ø254 (10”)	Ø203.2 (8”)	Ø254 (10”)
Platen Quantity	1		2	
Grinding Method	Manual			
Platen Motor Power (W)	400			
Platen Rotational Speed (rpm)	1~600			
Machine Dimension WxDxH (mm)	552x698x572		872x698x572	
Machine Weight (kg) AC110V 1Ø	46	47	75	77
Machine Weight (kg) AC220V 1Ø	36	37	65	67
Standard Accessories	Polishing Platen 1pc, Anti-Splash Cover 1 pc, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc		Grinding Platen 1pc, O-Ring 1pc, Polishing Platen 1pc, Anti-Splash Cover 2pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc	
Option	P20F0030 Dispenser Set, PA0108-1 8” Anti-Splash Cover (Manual), PA0108 10” Anti-Splash Cover (Manual), PA0108-3 8” Anti-Splash Cover (Auto), PA0108-4 10” Anti-Splash Cover (Auto)			

Grinding/Polishing

Grinder/ Polisher

PLATO-HA SERIES

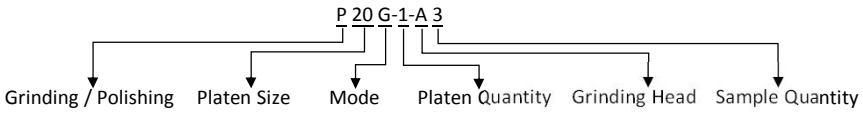
It's efficient to take advantage of an automatic grinding and polishing machine for material preparation by Plato-HA series. The automatic HA series offer a choice of three types of polisher in either individual force grinding or central force grinding along with calibration function. HA-A is available for most material application by individual grinding force, and HA-B allows to set up the grinding calibration for a precious material removal. HA-C is designed for unmounted or irregular sample grinding and polishing by central force with calibrated removal.

- Dimension (W*D*H): 450x650x600mm (Platen dimension: 8" or 10") 500x800x670mm (Platen dimension:12")
- Accessories: Grinding platen 1pc, O ring 1pc, Splash guard 1pc, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc, Leveler 1pc (C type)

- Dimension (W*D*H): 750x690x660mm (Platen dimension: 8" or 10") 850x750x660mm (Platen dimension:12")
- Accessories: Grinding platen 1pc, O ring 1pc, Polishing platen 1pc, Splash guard 2pcs, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc, Leveler 1pc (C type)

Precision Automatic Grinding & Polishing

PLATO-HA SERIES



Patent

50dB Silent Type

- Exchangeable grinding head of A, B, and C type
- Adjustable rotational speed of both head and platen
- Multiple choices of platen application, and able to employ diamond discs (Optional) ensuring the flatness
- Compatible with dispenser (Optional)

A Type
Individual force

B Type
Individual force with calibration

C Type
Central force with calibration

Model	P20G-1-A3 P20G-1-A5	P20G-1-B3 P20G-1-B5	P20G-1-C3 P20G-1-C4	P25G-1-A3 P25G-1-A5	P25G-1-B3 P25G-1-B5	P25G-1-C3 P25G-1-C4
Platen Size (mm)	Ø203.2 (8")			Ø254 (10")		
Platen Quantity	1					
Grinding Method	Individual force	Individual force with calibration	Central force with calibration	Individual force	Individual force with calibration	Central force with calibration
Grinding Quantity (pcs)	3 or 5		3 or 4	3 or 5		3 or 4
Sample Size (mm)	Ø25/Ø32/Ø40 (Special sample size can be customized)		Ø15~Ø32 Ø20~Ø40	Ø25/Ø32/Ø40 (Special sample size can be customized)		Ø15~Ø32 Ø20~Ø40
Force (kg)	1.4~5		3~5	1.4~5		3~5
Platen Motor Power (W)	400					
Platen Rotational Speed (rpm)	1~600 (Effective Rotational Speed 10~600)					
Head Motor Power (W)	50					
Head Rotational Speed (rpm)	10~170					
Timer (min: s)	99:59					
Machine Dimension WxDxH (mm)	552x698x670					
Machine Weight (kg) AC110V 1Ø	69			70		
Machine Weight (kg) AC220V 1Ø	59			60		
Standard Accessories	Polishing Platen 1pc, Anti-Splash Cover 2 pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc, Leveler (C type)					
Option	P20F0027 Dispenser Set for One Bottle, P20F0028 Dispenser Set for Four Bottles, PA0108-1 8" Anti-Splash Cover (Manual), PA0108 10" Anti-Splash Cover (Manual), PA0108-3 8" Anti-Splash Cover (Auto), PA0108-4 10" Anti-Splash Cover (Auto), PA0108-2 Anti-Splash Cover (Full-Cover)					

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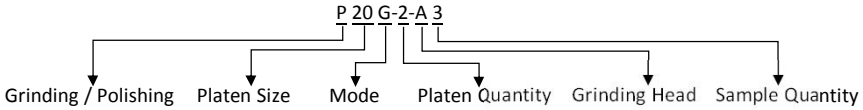
Precision Automatic Grinding & Polishing

PLATO-HA SERIES



Patent

50dB Silent Type

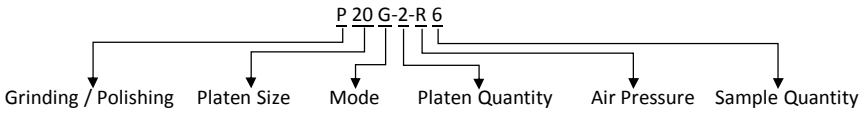
- Exchangeable grinding head of A, B, and C type
- Adjustable rotational speed of both head and platens
- Dual platens for flexible operation
- Multiple choices of platen application, and able to employ diamond discs (Optional) ensuring the flatness
- Compatible with dispenser (Optional)

Sample after grinding & polishing

Model	P20G-2-A3 P20G-2-A5	P20G-2-B3 P20G-2-B5	P20G-2-C3 P20G-2-C4	P25G-2-A3 P25G-2-A5	P25G-2-B3 P25G-2-B5	P25G-2-C3 P25G-2-C4
Platen Size (mm)	Ø203.2 (8")			Ø254 (10")		
Platen Quantity	2					
Grinding Method	Individual force	Individual force with calibration	Central force with calibration	Individual force	Individual force with calibration	Central force with calibration
Grinding Quantity (pcs)	3 or 5		3 or 4	3 or 5		3 or 4
Sample Size (mm)	Ø25/Ø32/Ø40 (Special sample size can be customized)		Ø15~Ø32 Ø20~Ø40	Ø25/Ø32/Ø40 (Special sample size can be customized)		Ø15~Ø32 Ø20~Ø40
Force (kg)	1.4~5		3~5	1.4~5		3~5
Platen Motor Power (W)	400					
Platen Rotational Speed (rpm)	1~600 (Effective Rotational Speed 10~600)					
Head Motor Power (W)	50					
Head Rotational Speed (rpm)	10~170					
Timer (min: s)	99:59					
Machine Dimension WxDxH (mm)	872x698x670					
Machine Weight (kg) AC110V 1Ø	96			98		
Machine Weight (kg) AC220V 1Ø	86			88		
Standard Accessories	Grinding Platen 1pc, O-Ring 1pc, Polishing Platen 1pc, Anti-Splash Cover 4pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc, Leveler (C type)					
Option	P20F0027 Dispenser Set for One Bottle, P20F0028 Dispenser Set for Four Bottles, PA0108-1 8" Anti-Splash Cover (Manual), PA0108 10" Anti-Splash Cover (Manual), PA0108-3 8" Anti-Splash Cover (Auto), PA0108-4 10" Anti-Splash Cover (Auto), PA0108-2 Anti-Splash Cover (Full-Cover)					

Precision Air-Pressure Grinding & Polishing

PLATO-R SERIES



Patent

50dB Silent Type

- 7” HMI touch panel
- Individual force (Standard)
- Dual platens for flexible operation
- Individual micro force (Optional)
- Central force (Optional)
- Variable rotational speed and adjustable rotational direction for platens and head
- 10 memory modes for recording of application parameters
- Automatic and programmable dispenser (Optional)

Model	P20G-2-R6	P20G-2-R3	P25G-2-R6	P25G-2-R3	P25G-2-R4
Platen Size (mm)	Ø203.2 (8”)		Ø254 (10”)		
Platen Quantity	2				
Sample Size / Quantity	Ø25mm, Ø25.4mm, Ø31.75mm, Ø32mm/6pcs Ø38.1mm, Ø40mm/3pcs		Ø25mm, Ø25.4mm, Ø31.75mm, Ø32mm/6pcs Ø38.1mm, Ø40mm/3 or 4pcs Ø50mm/4pcs		
Individual Force	0.5~2kg 6 pcs,		0.5~4kg 3 pcs,		0.5~6kg 2 pcs,
Max. Grinding Quantity	Max. 12kg in total				
Precision Individual Micro Force (kg)	0.2~1 (Optional)				
Central Force (kg)	3~12 (Optional)				
Platen Motor Power (W)	400				
Platen Rotational Speed (rpm)	1~600				
Head Motor Power (W)	50				
Head Rotational Speed (rpm)	10~170				
Timer	1~360000s (Max. 6000mins)				
Machine Dimension WxDxH (mm)	955x698x670				
Machine Weight (kg) AC110V 1Ø	99		101		
Machine Weight (kg) AC220V 1Ø	89		91		
Standard Accessories	Grinding Platen 1pc, O-Ring 1pc, Polishing Platen 1pc, Anti-Splash Cover 4pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, PU Pipes 6m, Dispenser 1 pc, Air Pressure Gun 1set				
Option	P20F0030 Dispenser Set, PA0108-1 8” Anti-Splash Cover (Manual), PA0108 10” Anti-Splash Cover (Manual), PA0108-3 8” Anti-Splash Cover (Auto), PA0108-4 10” Anti-Splash Cover (Auto), PA0108-2 Anti-Splash Cover (Full-Cover)				

Dispenser (Optional)

TOP TECH

Grinder/ Polisher

PLATO-E SERIES

To grind and polish the specimen by our handhold sample holder, the tailor-made holder is made per user's sample. Customized size and shape are available. It's safer and more convenient.

Model	Voltage/ Phase	Platen Diameter	Order No.	Specimen Size
E-F-M1	110V/1ϕ	200	30-121-110	Ø25 Ø25.4 Ø30 Ø31.75 Ø32 Ø38.1 Ø40 Ø50
		250	30-122-110	
		300	30-123-110	
	220V/1ϕ	200	30-121-220	
		250	30-122-220	
		300	30-123-220	

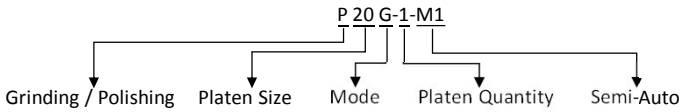
- Dimension (W*D*H) 450x650x600mm
- Weight 41kgs
- Accessories Grinding platen 1pc, O ring 1pc, Splash guard 1pc, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc

Model	Voltage/ Phase	Platen Diameter	Order No.	Specimen Size
E-FR-M1	110V/1ϕ	200	30-221-110	Ø25 Ø25.4 Ø30 Ø31.75 Ø32 Ø38.1 Ø40 Ø50
		250	30-222-110	
		300	30-223-110	
	220V/1ϕ	200	30-221-220	
		250	30-222-220	
		300	30-223-220	

- Dimension (W*D*H) 750x690x640mm
- Weight 58kgs
- Accessories Grinding platen 1pc, O ring 1pc, Polishing platen 1pc, Splash guard 2pcs, SiC paper 8pcs, Polishing cloth 2pcs, Aluminum oxide powder 100g, Bottle 1pc

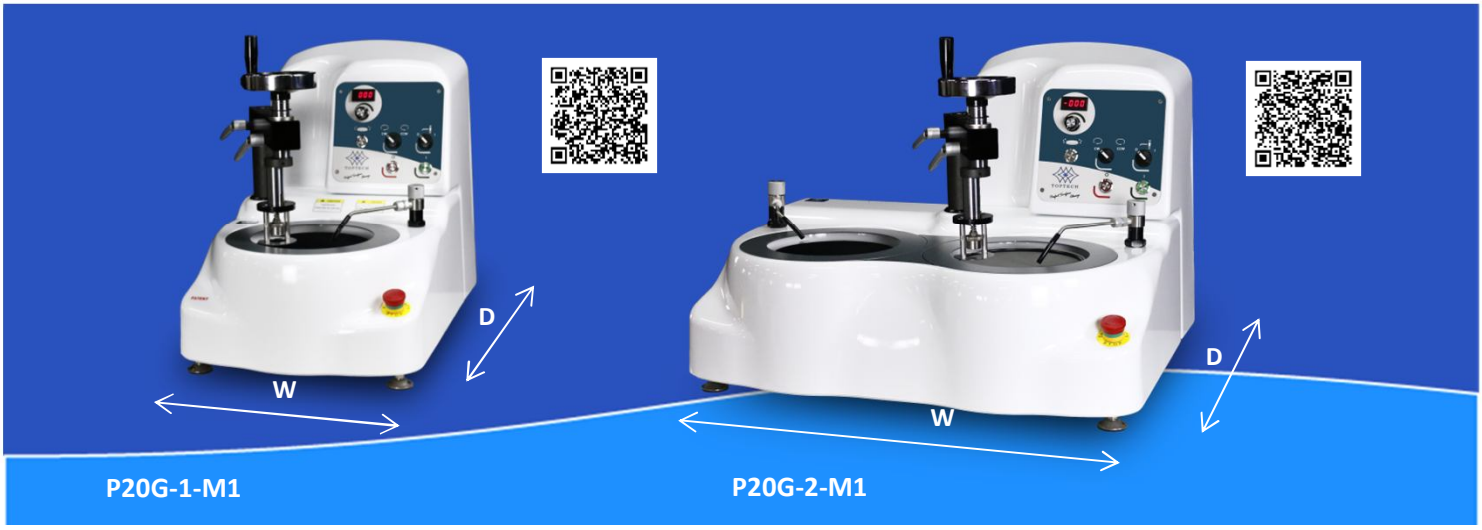
Precision Manual Grinding & Polishing

PLATO-E SERIES



Patent

- Flexible and modularized control box maximizing the space utilization
- Retractable water hose, rinse and spin, and CW/ CCW control
- Employing diamond discs (Optional) ensuring the flatness
- Compatible with dispenser (Optional)
- Safe and convenient grinding arm suitable for various samples



Model	P20G-1-M1	P25G-1-M1	P20G-2-M1	P25G-2-M1
Platen Size (mm)	Ø203.2 (8”)	Ø254 (10”)	Ø203.2 (8”)	Ø254 (10”)
Platen Quantity	1		2	
Grinding Method	Manual (Auxiliary Sample Holder)			
Grinding Quantity	1			
Sample Size (mm)	Ø25/Ø32/Ø40/Ø50			
Platen Motor Power (W)	400			
Platen Rotational Speed (rpm)	1~600 (Effective Rotational Speed10~600)			
Machine Dimension WxDxH (mm)	552x698x593		872x698x593	
Machine Weight (kg) AC110V 1Ø	57	58	86	88
Machine Weight (kg) AC220V 1Ø	47	48	76	78
Standard Accessories	Polishing Platen 1pc, Anti-Splash Cover 2 pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc		Grinding Platen 1 pc, O-Ring 1 pc, Polishing Platen 1 pc, Anti-Splash Cover 4 pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc	
Option	P20F0027 Dispenser Set for One Bottle, P20F0028 Dispenser Set for Four Bottles, PA0108-1 8” Anti-Splash Cover (Manual), PA0108 10” Anti-Splash Cover (Manual), PA0108-3 8” Anti-Splash Cover (Auto), PA0108-4 10” Anti-Splash Cover (Auto), PA0108-2 Anti-Splash Cover (Full-Cover)			

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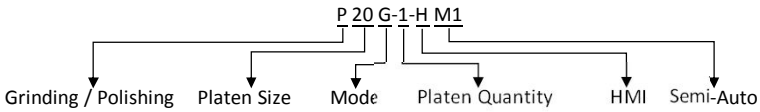
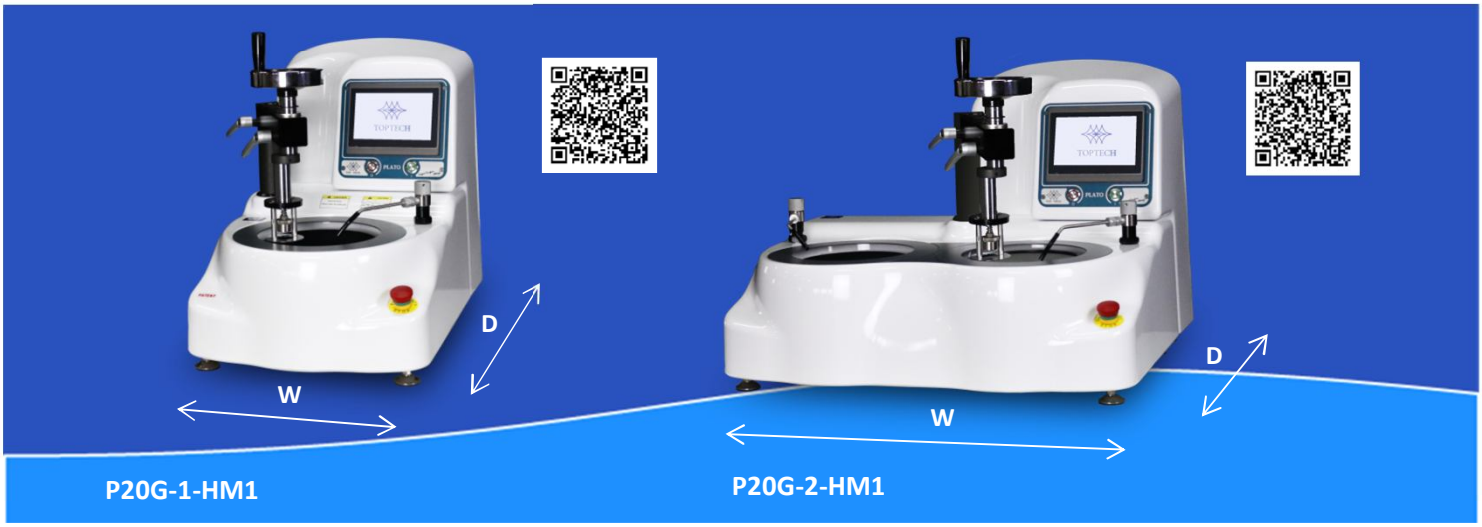
Precision HMI Manual Grinding & Polishing

PLATO-E SERIES



Patent

- 7” HMI touch panel
- Flexible and modularized control box maximizing the space utilization
- Retractable water hose, rinse and spin, and CW/ CCW control
- Employing diamond discs (Optional) ensuring the flatness
- Automatic and programmable dispenser (Optional)
- Safe and convenient grinding arm suitable for various samples



Model	P20G-1-HM1	P25G-1-HM1	P20G-2-HM1	P25G-2-HM1
Platen Size (mm)	Ø203.2 (8”)	Ø254 (10”)	Ø203.2 (8”)	Ø254 (10”)
Platen Quantity	1		2	
Grinding Method	Manual (Auxiliary Sample Holder)			
Grinding Quantity	1			
Sample Size (mm)	Ø25/Ø32/Ø40/Ø50			
Platen Motor Power (W)	400			
Platen Rotational Speed (rpm)	1~600			
Machine Dimension WxDxH (mm)	552x698x593		872x698x593	
Machine Weight (kg) AC110V 1Ø	57	58	86	88
Machine Weight (kg) AC220V 1Ø	47	48	76	78
Standard Accessories	Polishing Platen 1pc, Anti-Splash Cover 2 pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc		Grinding Platen 1 pc, O-Ring 1 pc , Polishing Platen 1 pc, Anti-Splash Cover 4 pcs, Silicon Carbide Paper 8 pcs, Polishing Cloth 2pcs, Aluminum Oxide Powder 100g, Filter 1 set, 500g Dispenser 1 pc	
Option	P20F0030 Dispenser Set, PA0108-1 8” Anti-Splash Cover (Manual), PA0108 10” Anti-Splash Cover (Manual), PA0108-3 8” Anti-Splash Cover (Auto), PA0108-4 10” Anti-Splash Cover (Auto), PA0108-2 Anti-Splash Cover (Full-Cover)			

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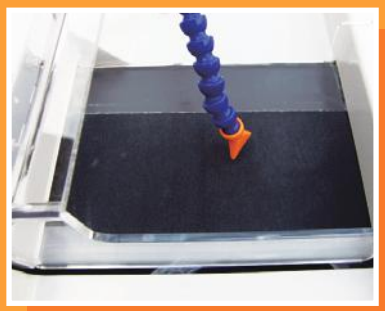
PLATO-MP SERIES

The two belts grinder is used for delicate samples or for a low production requirements

Easy to repair.

M-P100M has high material removal, robust with low vibration and extremely user-friendly.



MODEL NO.	M-P100M
Belt Size	4" x 36"
Machine Size (WxDxH)	750x650x1050mm
Power Supply	AC220V-1Ø
Motor Power	370W
Weight	184kg
Sample Size	160mm / MAX 210mm

MP WET BELT X2