

Metallographic Sample Preparation Equipment & Analysis Equipment



*Perfect Surface.
Always*

Corporate

About Top Tech

Established in 1995, Top Tech Machines Co., Ltd. operates on four management principles: Quality, Speed, Innovation, and Responsibility. Top Tech continues to be devoted to innovation and Research & Development. Our growing staff has many years of experience in design and manufacturing.

Our experience has led to the development of the equipment that combines the highest levels of preparation quality with outstanding user-friendliness. Our machines incorporate a number of revolutionary patented features, and are sold throughout the world. Top Tech was certified with the ISO 9001 International Quality Assurance Operation System in 2003 and CE certificate, leading to further enhancement of our quality management systems. We continue to obtain international and domestic patents for our innovative products.

Our primary focus is the design, manufacture, distribution of metallographic examination & preparation equipment and related consumables. We insist on the best quality and believe in the long-term relationships with our customers. Our customer service team is trained to respond to the needs of our customers rapidly and accurately. We provide our customers with not only the optimal and the most useful equipment, but also the most professional technical support and solutions.

Corporate Social Responsibility

Top Tech Machines Co., Ltd. treats the Corporate Social Responsibility as part of the corporate governance. Top Tech is the sponsor of TFCF (Taiwan Fund for Children and Families) which is the first non-profit organization in Taiwan.

TFCF provides needy children with financial assistance and opportunities to continue their education through sponsorship programs, scholarship, and emergency relief fund. The social workers track the authentic situation of each needy child and his/her family through home visitations, interviews and various activities in a regular term and provide them with services that meet their needs.

We expect that every child can be taken good care, keep away from danger, grow up in a healthy surroundings, receive proper education and develop a happy life through our assistance.



Vision and Value

To create the mutual value and benefit with our customers
To build the happy and sustainable team with our partners

Innovation, Quality, Speed, Responsibility

Research & Development (R&D)

- Professional R&D Team designs new products and collaborates with customers in satisfying their demands.



Patents

- We have more than 20~30 years of experience in the field of metallography and obtain more than 45 patents worldwide. We are constantly optimizing our products for innovation, humanization, intelligent, and reliability.



Quality Control (QC)

- Quality Control Management is guided by the principles of ISO 9001 and regulations of Conformance Europeenne (CE), which has been adopted to develop, implement and improve the quality control system.
- Systematic archives comprehensively storage the profile of every machine, including the drawings, pictures, customer's demands, and production history, etc.



3R Principles

- **Rapid**- Reply within 24 hours.
- **Reliable**- Accurately meet customers' demands with good quality.
- **Responsible**- Technical support and after service.



The highest mountain in Taiwan

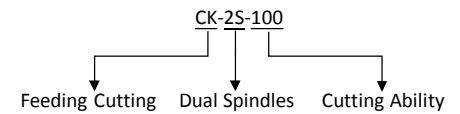




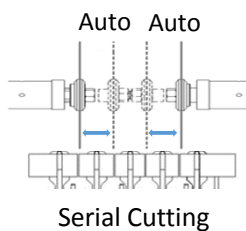
TOP TECH

Dual Spindles Auto. Precision Cutting Machine

ALTOCUT-CK SERIES



- 10" HMI touch panel
- Dual spindles can cut simultaneously
- Cutting crankshaft with multiple serial cutting function and hydraulic vise (Optional)
- Dual spindles cutting can greatly lower labor force and reduce time of replacing vises
- Intelligent variable feeding rate will adjust automatically, which depends on material and hardness of specimen



Hydraulic Vise (Option)



- Suitable for long specimen (Max. 3500 mm)
- Application range: automotive, aerospace, and manufacturing industry
- Suitable for large sample, automotive parts, long specimen and crankshaft

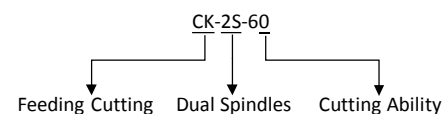
Model	CK-2S-100	
Travel Distance (mm)	Feeding Travel Distance	450 ↗
	Right Spindle Travel Distance	220 ↔
	Left Spindle Travel Distance	220 ↔
Motor Power	10HP x 2 (7500W x 2)	
Cutting Ability Max. (mm)	Max. Ø100	
Cut-Off Blade (mm)	Max. Ø406 x Ø31.75 (Ø32)	
Feeding Rate (mm/s)	0.001~50	
Rotational Speed (rpm)	2500 rpm (60Hz)±50% (1250~3750 rpm) 2100 rpm (50Hz)±50% (1050~3150 rpm)	
Feeding Method	Auto:	6 modes, including multiple serial cutting modes and pulse cutting function
	Manual:	Electric hand wheel
Size of T-Slot Table (mm)	500 x 438	
Machine Dimension WxDxH (mm)	3180x1730x2000	
Machine Weight (kg)	3000	
Power Supply (V)	AC 220V/380V/415V/440V 3Ø (special voltage can be customized)	



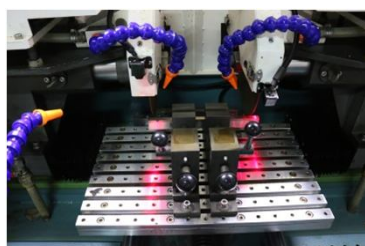
Automatically cutting and simultaneously cutting for dual spindles

Dual Spindles Precision Cutting Machine

ALTOCUT-CK SERIES



- 7" HMI touch panel
- Dual spindles cutting simultaneously
- Automatic hydraulic vise (Optional)
- Greatly lower labor force and time
- Intelligent operation for cutting which is convenient and fast
- Left and right spindle movement can be adjusted electrically



Dual Spindles



- Suitable for long specimen (Max. 480mm)
- Application range: automotive, aerospace, and manufacturing industry
- Suitable for large sample, automotive parts, long specimen and crankshaft

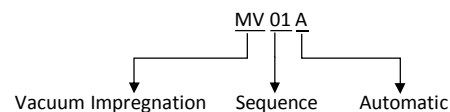
Model	CK-2S-60	
Travel Distance (mm)	Feeding Travel Distance	260 ↗
	Right Spindle Travel Distance	200 ↔
	Left Spindle Travel Distance	200 ↔
Motor Power	3HP x 2 (2250W x 2)	
Cutting Ability Max. (mm)	Max. Ø60	
Cut-Off Blade (mm)	Max. Ø305 x Ø31.75 (Ø32)	
Feeding Rate (mm/s)	0.01~5	
Rotational Speed (rpm)	3000rpm (60Hz) or 2500rpm (50Hz)	
Feeding Method	Auto:	Control by touch panel Automatic home point return after cutting
	Manual:	Control by touch panel
Size of T-Slot Table (mm)	480x305	
Machine Dimension WxDxH (mm)	2450x1300x1700	
Machine Weight (kg)	1500	
Power Supply (V)	AC 220V/380V/415V/440V 3Ø (special voltage can be customized)	



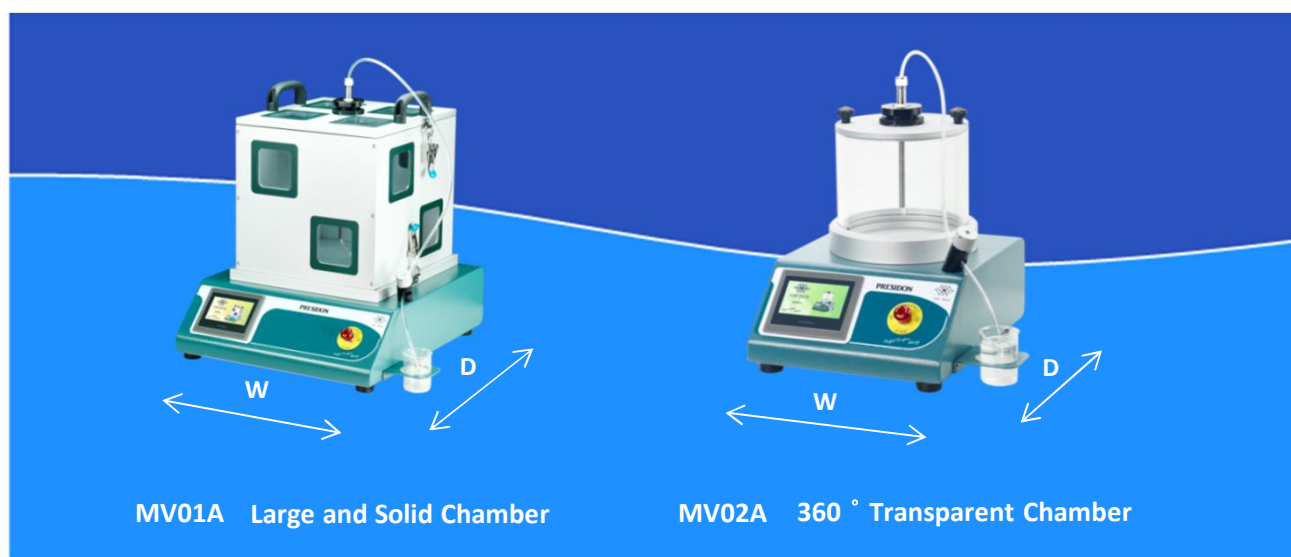
Sample after cutting

Intelligent Vacuum Impregnation

PRESIDON-MV SERIES



- 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	

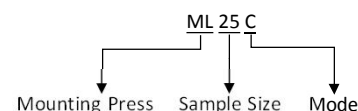


Sample after cold mounting

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



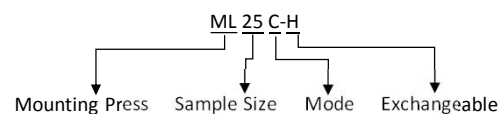
The screw thread fixture

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) Ø30 (M30CA0002-4) Ø32 (M32C0006-8)	Ø25.4 (ML25AE0211-1) Ø31.75 (M32C0011-3)		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				

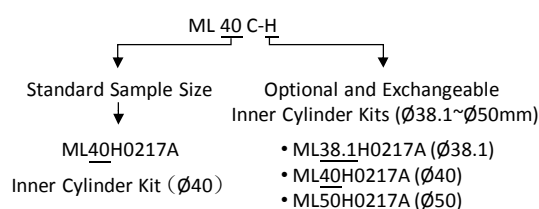
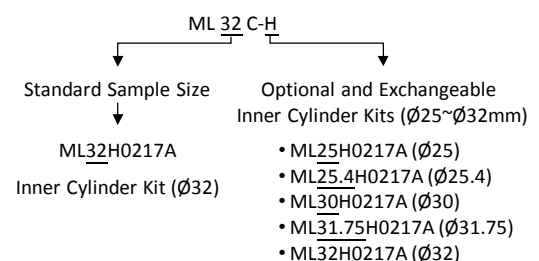
Hydraulic Automatic Mounting Press

PRESIDON-ML SERIES

Patent



- Rapidly replacing mounting size design
- A range of selectable sizes for inner cylinder kits
- 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



Model	ML25C-H ML31.75C-H	ML25.4C-H ML32C-H	ML30C-H	ML38.1C-H ML50C-H	ML40C-H
Option: cylinder kit set (inner cylinder, upper & lower ram)	ML25H0217A	ML25.4H0217A	ML30H0217A	ML38.1H0217A	ML40H0217A
	ML31.75H0217A	ML32H0217A		ML50H0217A	
Sample Quantity	Special specification can be customized				
	1~2PCS/ per time (optional spacer for 2pcs)				
Spacer (Option)	Ø25 (ML25AE0211-2)	Ø25.4 (ML25AE0211-1)	Ø38.1(ML38AE0206-2)		
	Ø30 (M30CA0002-4)	Ø31.75 (M32C0011-3)	Ø40 (M40C0006-5)		
	Ø32 (M32C0006-8)		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				



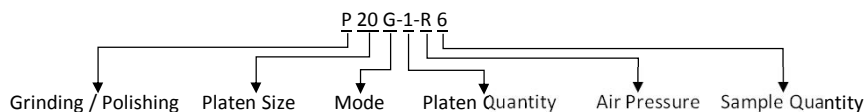
Inner Cylinder Kit



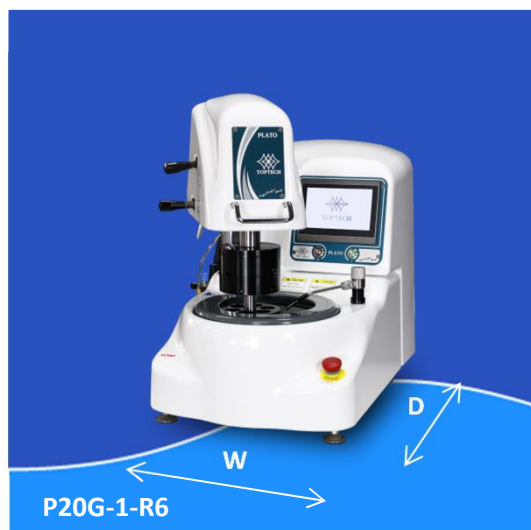
Sample after mounting

Precision Air-Pressure Grinding & Polishing

PLATO-R SERIES



Patent

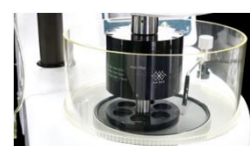


- 7" HMI touch panel
- Individual force (Standard)
- Individual micro force (Optional)
- Central force (Optional)
- Variable rotational speed and adjustable rotational direction for platens and head
- 10 memory modes for recording of application parameters
- Automatic and programmable dispenser (Optional)

Model	P20G-1-R6	P20G-1-R3	P25G-1-R6	P25G-1-R3	P25G-1-R4
Platen Size (mm)	Ø203.2 (8")		Ø254 (10")		
Platen Quantity	1				
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)	635x698x670				
Machine Weight (kg) AC110V 1Ø	73		74		
Machine Weight (kg) AC220V 1Ø	63		64		
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, 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)				



Sample after grinding & polishing



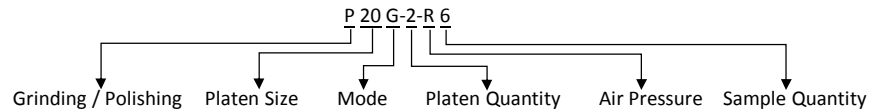
Anti-Splash Cover (Full-Cover)



TOP TECH

Precision Air-Pressure Grinding & Polishing

PLATO-R SERIES



Patent



P20G-2-R6

- 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)

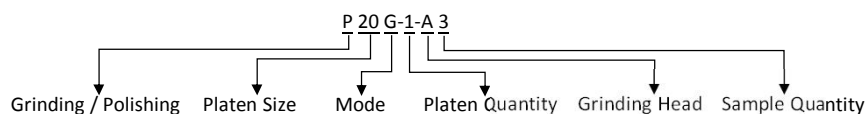
Model	P20G-2-R6	P20G-2-R3	P25G-2-R6	P25G-2-R3	P25G-2-R4
Platen Size (mm)	Ø203.2 (8")		Ø254 (10")		
Platen Quantity	2				
Sample Size / Quantity	Ø25mm, Ø25.4mm, Ø31.75mm, Ø32mm/6pcs Ø38.1mm, Ø40mm/3pcs		Ø25mm, Ø25.4mm, Ø31.75mm, Ø32mm/6pcs Ø38.1mm, Ø40mm/3 or 4pcs Ø50mm/4pcs		
Individual Force	0.5~2kg 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)

Precision Automatic Grinding & Polishing

PLATO-HA SERIES



Patent

- 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

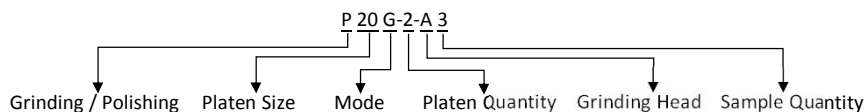


P20G-1-A3

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)					

Precision Automatic Grinding & Polishing

PLATO-HA SERIES



Patent

- 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)



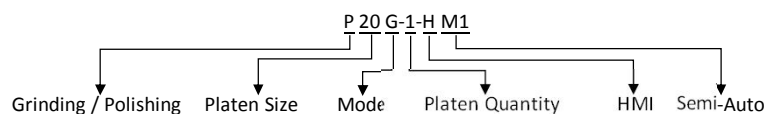
Sample after grinding & polishing



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)					

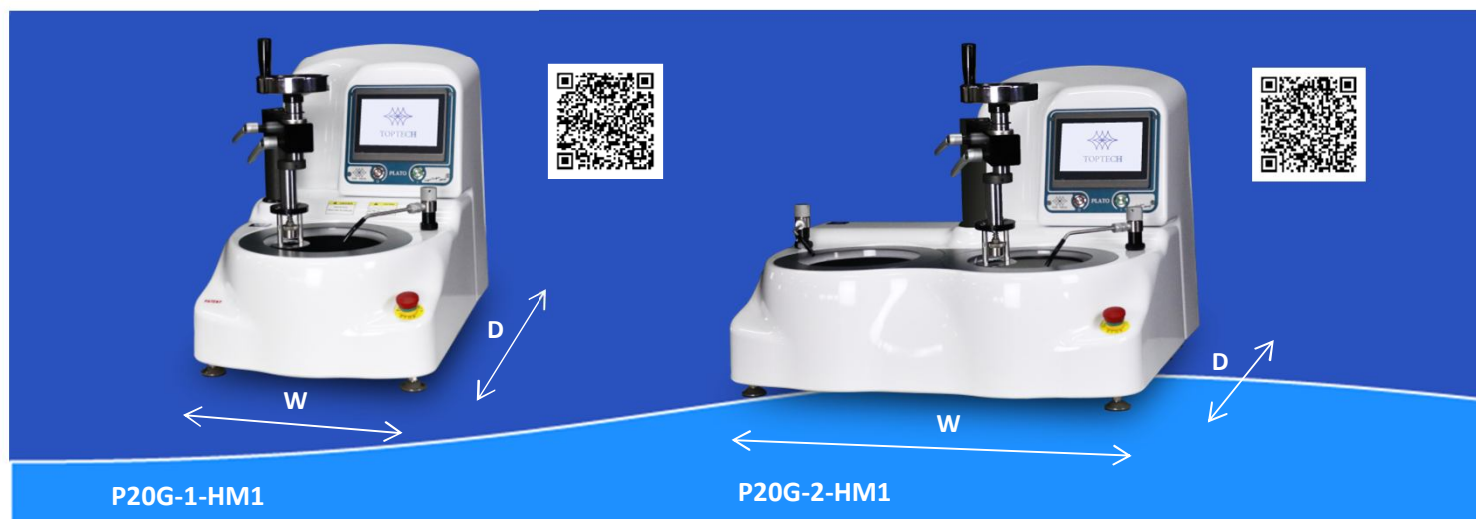
Precision HMI Manual Grinding & Polishing

PLATO-E SERIES



Patent

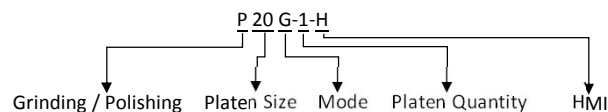
- 7" HMI touch panel
- Flexible and modularized control box maximizing the space utilization
- Retractable water hose, rinse and spin, and CW/ CCW control
- Employing diamond discs (Optional) ensuring the flatness
- Automatic and programmable dispenser (Optional)
- Safe and convenient grinding arm suitable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

Precision HMI Manual Grinding & Polishing

PLATO-E SERIES



Patent

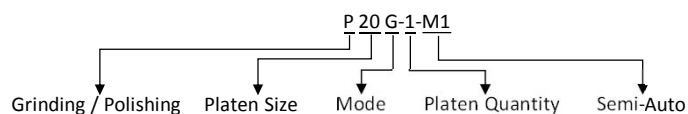
- 7" HMI touch panel
- Flexible and modularized control box maximizing the space utilization
- Superior industrial plastic body
- Retractable water hose, rinse and spin, and CW/ CCW control
- Multiple choices of platen application, and able to employ diamond discs (Optional) ensuring the flatness
- Automatic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

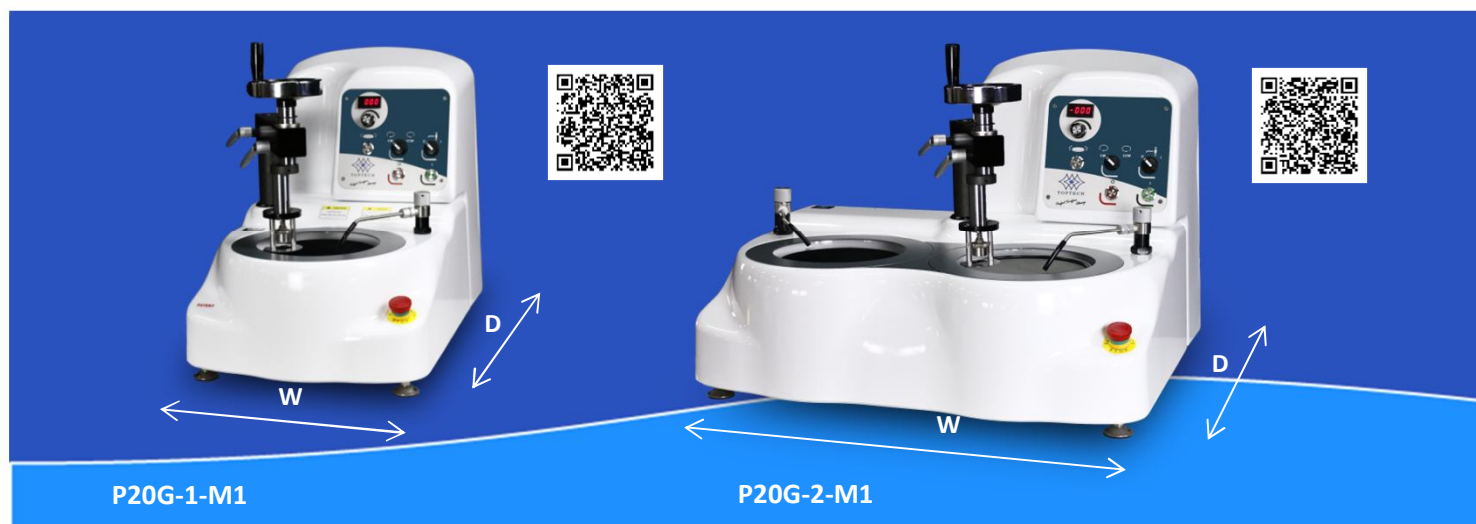
Precision Manual Grinding & Polishing

PLATO-E SERIES



Patent

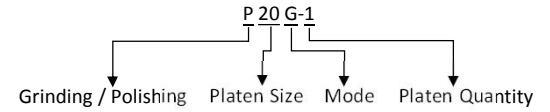
- Flexible and modularized control box maximizing the space utilization
- Retractable water hose, rinse and spin, and CW/ CCW control
- Employing diamond discs (Optional) ensuring the flatness
- Compatible with dispenser (Optional)
- Safe and convenient grinding arm suitable for various samples



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)			

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)			

Professional Metallographic Product Lines

Cutting Machines



PRECISO-CL SERIES
Model: CL50



PRECISO-CL SERIES
Model: CL40



PRECISO-CH SERIES
Model: CH75



PRECISO-CL SERIES
Model: CL50C



PRECISO-CL SERIES
Model: CLM35B



PRECISO-CL SERIES
Model: CLM50



ALTOCUT-CK SERIES
Model: CK200B



ALTOCUT-CK SERIES
Model: CK260B



ALTOCUT-CK SERIES
Model: CK360A



PRECISO-CL SERIES
Model: CLM35C

Model	Type
PRECISO-CL SERIES	Bench Top Precision Diamond Saw
ALTOCUT-CK SERIES	Universal Floor Standing Precision Cutting Machine
ALTOCUT-CF SERIES	High Capacity Precision Cutting Machine

Mounting Machines



PRESIDON-ML SERIES
Model: ML-L1



PRESIDON-ML SERIES
Model: ML-MA



PRESIDON-ML SERIES
Model: ML-L2



PRESIDON-ML SERIES
Model: ML-L



PRESIDON-MV SERIES
Model: MV01



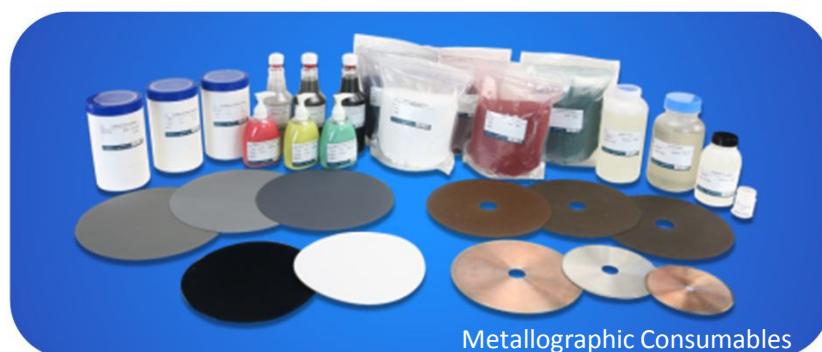
PRESIDON-MV SERIES
Model: MV02

Model	Application Range
PRESIDON-ML SERIES	Thermostable, High Pressure Resistant and Non Fragile (Hot Mounting Press)
PRESIDON-MV SERIES	Heat Sensitive, Non High Pressure Resistant and Fragile (Vacuum Impregnation)

Grinding and Polishing Machines



Model	Grinding/Polishing Method
PLATO-E SERIES	Manual
PLATO-HA SERIES	Automatic with Spring Force
PLATO-R SERIES	Automatic with Air-Pressure



Application Range

Transportation	: Airplane, Automobile, Vehicle, Train, Bicycle, etc.
Hardware	: Screws, Nut, Fasteners, Nails, etc.
Hand tool	: Saw, Spanner, Hammer, Screwdriver, Gardening tools , etc.
Transportation tool	: Hanging rings, Chain, etc.
Machine components	: Bearing, Spindle, Gear, Motor, etc.
Raw materials	: Wires, Forging, Cast sample, Weldment, Pipe materials, etc.
Electronic industries	: 3C product, PCB panel, Smart phones, Computer, Wafer, Electronic components , etc.
Compound materials	: Cermet, Plastic, Specific metals, alloy, and so on: Quench, Normalization, Nitration, Vacuum, etc.
Heat-treatment industry	: Quench, Normalization, Nitration, Vacuum, etc.
Cutting tool	: Cutting tool, Drill, Molds, etc.
Research unit	: Material research and development, Abnormal test and tracing, etc.
Medical Equipment	: Teeth, Dental appliance, Bone, Artificial joints, Catheters, etc.
Others	: Sports equipment, Racket, Golf head, Surface treatment, Electroplated, etc.

The components with the concern about quality, lifespan or safety need to be tested.

Worldwide Locations



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