SCHWYZ

ABRASIVE CUTTER
PRECISION CUTTER
MOUNTING PRESS
VACUUM MOUNTING PRESS
GRINDING POLISHING MACHINE
5-STATION HAND GRINDER
ABRASIVE BELT SURFACE GRINDER
METALLURGICAL MICROSCOPE
ELECTROLYTIC POLISHER
METALLOGRAPHIC CONSUMBLES
SPECIMEN LEVELING PRESS



ABRASIVE CUTTER METCUT M60

ABRASIVE CUTTER METCUT M60 can be widely used to cut various metal materials in metallography laboratories. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallography structure deforming of specimen because of heating fluence. Besides various metal materials, this machine can also be used to cut other non-metal material such as plastic, rubber hose etc.



TECHNICAL SPECIFICATION

- Max. cutting diameter: 30x30mm
- Sand wheel specification: 250 x 2 x 32mm
- Sand wheel rotating speed: 2800 rpm
- Motor: 1.1 KW
- Power supply:3 phase ,380V, 50Hz.
- Dimensions: 65 × 45 × 40 cm
- Net weight: 60 Kg

ABRASIVE CUTTER ECOCUT 50/35

FEATURES:

- Adopts high speed rotating thin grinding wheel to cut specimen, and it is equipped with cooling system to prevent the heat damage during cutting.
- The operation is easy and the maintenance is convenient.



Model No.	ECOCUT 50	ECOCUT 35
Max Cutting section	55 x 55 mm	35 x 35 mm
Cutting Disc Size(mm)	300×2×32	250×2×32
Rotation speed	2860r/min	
Power Supply	Y90L-2/ 2.6KW 380V/50Hz	Y802-2/ 1.2KW 380V/50Hz
Dimensions	740×465×390mm	650 ×400×350mm
Net Weight	70Kg	55Kg

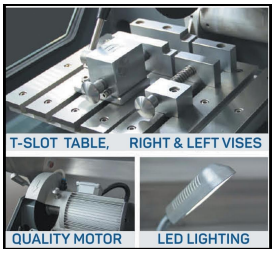
ABRASIVE CUTTER METCUT M61

METCUT M61 can be used to cut various metal and non-metal materials to get the specimen and observe the metallographic or lithofacies structure. It has a cooling system so as to clear up the heat produced during cutting and avoid to burn the metallographic or lithofacies structure of specimen because of superheating. This machine has stainless machine body and worktable, and it features easy operation and reliable safety.



FEATURES:

- Abrasive Cutter adopts closed structure
- Large observation window safe viewing
- Equipped with lighting lamp Led lighting
- A quick clamping mechanism for easy to clamp samples.
- 50 Liter Cooling water tank, for circulating cooling liquid
- Flush nozzle, easy to clean cutting table
- Stainless machine body and worktable



TECHNICAL SPECIFICATION

Power supply: 220V, 60Hz
Rotating speed of the main shaft: 2800 rpm
Max. cutting diameter: Ø60mm
Cutting Wheel Diameter: 250 x 1.5 x 32mm Motor: 2.2KW
Dimensions: 750 x 620 x 450mm
Weight: approx. 82kg.

ABRASIVE CUTTER METCUT M80

ABRASIVE CUTTER METCUT M80 can be used for cutting of normal metallography and lithofacies materials. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallography structure deforming of specimen because of heating fluence. The cutting against rock and ceramics materials must be equipped with diamond sand wheel (diamond sand wheels need to be ordered specially). This machine features easy operation and reliable safety. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.



TECHNICAL SPECIFICATION

- Max. cutting diameter: Ø80mm
- Sand wheel specification: 250 x 2 x 32mm
- Outside 60L water cooling system
- Quick clamping vice,LED lighting system
- T-slot working table, double-driving vise
- Sand wheel rotating speed: 2800 rpm
- Cutting table size 230x240mm
- Power:380V 50Hz Motor 2.2KW 3 phase
- Dimensions: 75 × 70 × 68 cm
- Net weight: 180Kg

ABRASIVE CUTTER METCUT M100

ABRASIVE CUTTER METCUT M80 can be used for cutting of normal metallography and lithofacies materials. The equipped cooling system can clear up the heat produced during cutting so that it will avoid the metallography structure deforming of specimen because of heating fluence. The cutting against rock and ceramics materials must be equipped with diamond sand wheel (diamond sand wheels need to be ordered specially). This machine features easy operation and reliable safety. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.



TECHNICAL SPECIFICATION

- Max. cutting diameter: Ø100mm
- Sand wheel specification: 350 x 2.5 x 32mm
- Outside 60L water cooling system
- Quick clamping vice,LED lighting system
- T-slot working table, double-driving vise
- Sand wheel rotating speed: 2800 rpm
- Cutting table size 230x240mm
- Power:380V 50Hz Motor 2.2KW 3 phase
- Dimensions: 80 × 79 × 69 cm
- Net weight: 195Kg

ABRASIVE CUTTER METCUT 250

METCUT 250 manual wheel feed abrasive saw has been designed for cutting and sectioning materials ranging from soft aluminum metals to hardened tool steels. It is ideal for the metallographic laboratory, as well as for small industrial or production applications.
MetCut 250 is very robust and durable with cast aluminum alloy and stainless steel construction. Featuring a corrosion-free stainless steel t-slot table, fabricated metal cover, a powerful 2.5KW 3-phase 3400 rpm motor, utilizing either 230mm or 250mm diameter abrasive blades, 32 mm (1.25-inch) arbor, 12 gallon recirculation tank and easy to use quick clamping cam lock vises.



Cut-off size	Max diameter 250 mm (10")
Cutting capacity	Max diameter 75 mm (3")
Wheel feed	Yes
Table feed	No
Table Dimensions	210 mm x 230 mm (8.3" x 8.9")
Operation	Manual
Cooling Unit	16 gallons (60 liters)
Motor power	3.5 hp
Electrical Specification	220 V or 380V 50/60 Hz (3 phase) -standard



ABRASIVE CUTTER METCUT 270

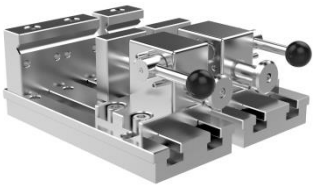
METCUT 270 is a manual wheel feed cutter. This allows for the samples to be positioned in the x,y and z-axis positions.
Applications: -Ferrous metals -Non-ferrous metals -Foundry castings -Power metallurgy -Heat treated parts -Specialty alloys -Wrought metals.
Wheel and Table Feed Cutters
• Highly reproducible • Easy to use • User friendly • Robust and durable design • Low cost • Easy to service • Support bench (optional) Benefits • Wheel feed controlled cutting • Cutting capacity up to 4 inches (100 mm) solid stock sample using a 300 mm (~12-inch) blade • Powerful 5.5 hp (4 KW) motor • Twin t-slotted stainless steel table • Electronic braking system
Clamping Devices Proper clamping or fixturing is required to prevent blade breakage and to optimize the cut. Vises range from a vertical clamping vise to fast cam locking devices.



TECHNICAL SPECIFICATION

Cut-off size	300x32x2.0mm
Cutting capacity	Max diameter 100 mm (4")
Wheel feed	Yes
Table feed	Yes
Table Dimensions	316 mm x 260 mm (12" x 9")
Operation	Manual
Cooling Unit	16 gallons (60 liters)
Motor power	5.5 hp (4 kW)
Motor speed	50 Hz 2880 rpm 60 Hz 3460 rpm
Dimensions (WxDxH)	900x860x650 mm (35.4 x 34 x 62-inch)
Weight	160 kg (350 lbs)
Electrical Specification	Standard 208Y 3-phase (380V or 480V 3-phase optional), 50/60 Hz

Clamping Systems



Fast Cam Locking Vise



ABRASIVE CUTTER(QUICK CLAMP) METCUT M63

ABRASIVE CUTTER METCUT M63 (rapid clamp) is used for cutting the metallographic specimens with irregular shapes such as cylinder, polygon etc., so as to observe the metallographic and lithofacies structure of the material. It adopts the fully-sealed structure with double shields, which can guarantee the safety of operator. The cooling system with good coolant can take away the heat of cutting so as to protect the structure of specimen from being burned. During cutting, the specimen can be adjusted in any angles, which helps to avoid the minor burning when the specimen is cut to fall. At the same time the cutting cross section is increased, thus the utilization ratio of cutting sand wheel is improved. This machine, featuring convenient operation and reliable safety, is the necessary equipment for specimen preparation in laboratories, college researching institutes and factories.



TECHNICAL SPECIFICATION

- Max. Cutting diameter: Ø65mm
- Quick clamp.If no quick clamp,**Model No. METCUT M62**
- Rotating speed: 2800 rpm
- Diameter of cutting sand wheel: 250 x 2 x 32 mm
- Power supply: 380V, 3-phase, 50Hz
- Motor: 1.5 KW
- Dimensions: 87 × 55 × 112 cm

ABRASIVE CUTTER ECOCUT 100/120

ABRASIVE CUTTER ECOCUT 100/120 is used to chiefly cut the specimen with cylinder-shaped, multi-angular and ordinary metallurgical specimens with convex space. With a double-cover fully-sealed structure and double clipping clamp structure, which can guarantee the absolute safety under the state of cutting.



TECHNICAL SPECIFICATION

Model No.	ECOCUT 100	ECOCUT 120
Max. cutting section	100 x 100 mm	120 x 120 mm
Cutting disc size	¢ 350×2.5× ¢ 32	¢ 400×3× ¢ 32
Rotate Speed	2800 r/min	2800 r/min
Cutting power	112M-2,4KW	112M-2,4KW
Cutting power	380V, 50Hz	380V, 50Hz
Machine Dimensions	800×660×1380mm	760×850×1400mm
Net Weight	315 Kg	380 Kg

AUTOMATIC ABRASIVE CUTTER METCUT A80/A100

AUTOMATIC ABRASIVE CUTTER METCUT A80/A100 is equipped with big cutting room and movable T-shape work table. Therefore this machine have the ability of cutting rectangle and large specimens. Also the equipped separate type vice is very convenient for operator to clamp various heterotypic workpieces.



FEATURES:

- Various cutting data can be displayed on high definition backlight type LCD screen.
- Manual and automatic cutting switchable
- Non-burning loss swing type cutting
- Bidirectional feeding means increase the length of deep cutting
- Total 7 levels cutting speed setting

TECHNICAL SPECIFICATION

Model No	GENCUT A80	GENCUT A100
Cutting Diameter	Φ80mm	Φ100mm
Cutting Speed	2.25, 3, 4, 5, 7, 9, 12, 15mm/min	2.25, 3, 4, 5, 7, 9, 12, 15mm/min
Max. cutting volume	Ø80mm x 200mm	Ø100mm x 200mm
Rotate Speed	2100rpm	2100rpm
Cutting Disc Size	350 x 2.5 x 32mm	350 x 2.5 x 32mm
Display	LCD with backlight	LCD with backlight
Power Supply	3Phase/380V/50Hz	3Phase/380V/50Hz
Machine Dimension	780 x 800 x 600mm	930 x 700 x 610mm

AUTOMATIC ABRASIVE CUTTER GENCUT 200

is suitable for cutting precision various materials with strong ability, high reliability, easy operation. The machine consists of machine body, electrical control tank, super cutting room, and cooling system, supporting more economical and convenient cutting models. Meanwhile the user can define cutting models. Meanwhile the user can define cutting speed and track. At the same time, this machine have following features, such as self-test, security. Running tips in order to improve the quality of cutting sample. It is one necessary equipment in laboratory of colleges, research institutes and factories.



TECHNICAL SPECIFICATION

Input voltage	380v/50HZ
Feed speed	0.1-15mm/m
Spindle speed	2200RPM
Cut-off wheel	Φ350×2.5×32mm
Cutting capacity(Max)	Φ100mm
Max Table Moving Distance	145mm(Only Y axis for Auto&Manu)
Working table distance	300mm
Water combinet	60L
Working light	LED light
Input power	3.3kw
Cutting motor	3kw
Dimensions	960mm×855mm×735mm
Table Dimension	330mm×280mm
Net weight	285kg
optional	Cabinet / Transversal worktable (X axis)

AUTOMATIC ABRASIVE CUTTER GENCUT 220

is suitable for cutting precision various materials with strong ability, high reliability, easy operation. The machine consists of machine body, electrical control tank, super cutting room, and cooling system, supporting more economical and convenient cutting models. Meanwhile the user can define cutting models. Meanwhile the user can define cutting speed and track. At the same time, this machine have following features, such as self-test, security. Running tips in order to improve the quality of cutting sample. It is one necessary equipment in laboratory of colleges, research institutes and factories.



TECHNICAL SPECIFICATION

Input voltage	380v/50HZ
Feed speed	0.1-15mm/m
Spindle speed	2200RPM
Cut-off wheel	Φ350×2.5×32mm
Cutting capacity(Max)	Φ100mm
Max Table Moving Distance	145mm(Only Y axis for Auto&Manu)
Working table distance	300mm
Spindle Z lifting range	50mm
Input power	3.3kw
Cutting motor	3kw
Water combinet	60L
Working light	LED light
Dimensions	960mm×855mm×735mm
Table Dimension	330mm×280mm
Net weight	285kg
optional	Cabinet / Transversal worktable (X axis)

AUTOMATIC ABRASIVE CUTTER PENTA 110

FEATURES

- PETA-110 series various cutting modes can satisfy different cutting requirements from the customers.
- PETA-110 can be loaded with the cutting discs maximum diameter 300mm and equipped with XYZ three-axis rockerand 7-inch touch screen. It can achieve table-feed cutting (Y axis), chop cutting (Z axis), and segment cutting (YZ axis). The flexible cutting method avoids the damage of the sample in cutting process.
  PETA-110 offers the following 3 optional models:
- **PETA-110 Pro Automatic Cutting Machine:** LCD Touch Screen, Three-Axis Rocker Control, X-Axis, Y-Axis, Z-Axisautomatic cutting system. Adjustable speed of cutting disc: 1000-3500rpm, the maximum cutting diameter 110 mm. The maximum cutting section: 80x200mm. Laser Positioning. Various cutting modes can realize automatic adjustment of cutting speed in Y and Z directions, pulse cutting and step cutting.
- **PETA-110 MY manual/automatic integrated semi-automatic cutting machine:** LCD Touch Screen. Single-axis Y-Axis rocker, only Y Axis can realize automatic feed and pulse cutting. Z-Axis manual hand-wheel control can realize Z-Axis manual cutting. Cutting disc speed is not adjustable: 2800rpm.
- **PETA-110M manual cutting machine:** No LCD touch screen, operate by control panel and button. Y-axis movement controlled by hand-wheel, it can realize Y-Axis manual feed cutting. Z-axis cutting disc is also controlled by manual. Cutting disc speed is not adjustable: 2800rpm.
- PETA-110 is equipped with a caster-movable circulating cooling water tank. Capacity 80L. There are 2 optional filtering type:
  1.100μm filter basket (standard)
  2.Magnetic filter (optional);
- **PETA-110 offers the following fixtures:**
  1.Quick fixture for both right and left side (standard matching);
  2.Vertical fixture;
  3.Vertical fixture with chain;
  4.Customized fixture;



Model No.		PETA-110 Pro	PETA-110AY	PETA-110MY	PETA-110M
Max. Wheel Diameter		Φ300mm	Φ300mm	Φ300mm	Φ300mm
Min. Wheel Diameter		Φ200mm	Φ200mm	Φ200mm	Φ200mm
Max. Cutting capacity. Φ		Φ110mm	Φ110mm	Φ110mm	Φ110mm
Max. Capacity. Cutting HxD		80x200mm	80x200	80x200	80x200
Z-Axis Travel mm		150	150	150	150
Y-Axis Travel mm		200	200	200	200
X-Axis Travel mm		80	-	-	-
T-table Dimensions , mm		280x536 (636)	280x636	280x636	280x636
T-Slot Dimension mm		12	12	12	12
Cutting motor power Kw		4	4	4	4
RPM Wheel Speed		800-3500	800-3500	2800	2800
Control Panel		7 inch Touch Screen	7 inch Touch Screen	7 inch Touch Screen	Buttons
Cutting method	Smart Cutting	Auto	Auto	Auto	Manual
	Chop Cutting , Z- Axis	Auto	Auto	Manual	Manual
	Table Feed Cutting ,Y- Axis	Auto	Auto	Auto	Manual
	Pulse Cutting	Y-Axis Z-Axis	Y-Axis	Y-Axis	-
	Segment Cutting	Yes	Z-YesA	-	-
Cutting Feed rate , mm/s		0.01-5.0	0.01-5.0	0.01-5.0	-
Laser Alignment		Yes	Option	Option	Option
Weight , Kg		370	370	370	370
Recirculation coolant		80	80	80	80

PRECISION CUTTER METCUT 150

PRECISION CUTTER METCUT 150 with touch controls. Fits 3-inch (75 mm) up to 7-inch (175 mm) diameter blades. Features: Variable speed from 300-1500 rpm cutting with digital speed readout, precision micrometer, counterbalanced sliding load system, automatic cut-off switch, with coolant system (built-in coolant tank for 5-7 inch blades, external coolant tank for 75-100mm blades), magnetic safety switch for the hood, and emergency stop button. MetCut 150 has a built in transformer so it can be operated at either 110V or 220V by the flip of a switch.

TECHNICAL SPECIFICATION

Model No.	METCUT 150
Cutting capacity	Max diameter 50 mm (2")
Cut-off blade size	Min. diameter 75-100 mm (3"-4") Max. diameter 125-175 mm (5-7")
Arbor size	12.50mm
Variable Speed (rpm)	300–1500 rpm continuously adjustable with LED speed display
Cutting Load	0-1000 gram load
Micrometer feed distance	0-25 mm (0 to 1-inch)
Micrometer accuracy	2 microns
Motor power	85 W
Electrical Specification	110V/220V (50/60 Hz) (single phase)
Dimensions W x H x D	410x 410 x 330mm
Weight	40KG



STANDARD DELIVERY

- Included with the saw
- Double parallel vise
- Specimen adhering vise
- Specimen vise for irregular shaped specimens
- Treadrop holder for 18-41mm(0.7-1.6 inch) roundspecimens
- Specimen vise for fastener
- Dressing unit

PRECISION CUTTER METCUT 160

PRECISION CUTTER METCUT 160 can be used to cut material, electronic element, electronic element, crystals, hard alloy, rock sample, core sample, concrete, organic materials, biological materials (teeth, bones), etc. It applies precise cutting without deformation.
The device features high-power servo motor driving, high locating accuracy, large range of speed, high cutting power, internal circulation cooling system, preinstall feed speed, menu control and liquid crystal display, etc. The users are free to define the cutting method. It is an ideal precise cutting machine which can be used in industrial and mining enterprises, scientific research institutes to prepare high quality samples.

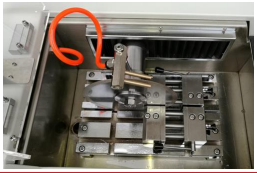
TECHNICAL SPECIFICATION

- Feeding speed: 0~30mm/min(increment 0.01mm)
- Speed: 300~5000rpm
- Max cutting section: φ60mm
- Maximum stroke: Y axis 200mm
- Cutting wheel: 200 x 1.0 x 32mm ;
- Cutting power: 1100W
- Power source: 220V 50HZ
- Overall Dimension:
- 700mm×720mm×410mm
- Weight: approx. 130 KG



STANDARD DELIVERY

Water tank
Drain-pipe and Water inlet pipe
Diamond cutting disc
Cutting lubricant
Instruction Manual



MOUTING PRESS METMOU 300



METMOU 300 is designed for purpose of the last process before polishing. It is setting up those small, difficult-to-hold or irregular specimens for metallographical test. It can facilitate polishing and watch properly the ideal material structure and measure the hardness of the material by hardness tester. The inserts for this machine are limited to thermosetting materials only .The punching temperature of different thermosetting materials can be adjusted depending upon the features of materials .

TECHNICAL SPECIFICATION

Model No.	METMOU 300-22	METMOU 300-30	METMOU 300-45
Sample diameter	**φ22mm**	**φ30mm**	**φ45mm**
Heating Range	Max190℃		
Holding time range	0-30min		
Machine Power	≦800w		
Input voltage	220V/50HZ		
dimension	260mm×360mm×450mm		
Net weight	35kg		

AUTOMATIC MOUNTING PRESS METMOU 400



METMOU 400 is suitable for tiny or irregular metallorgraphic, lithofacies specimen to be mouted so that the sample will be cut or grinded and polished, and then metallography, spectral measurement or hardness testing. This, machine adopts 7''big LCD screen display, which has the function of real-time temperature, holding time, cooling temperature. The complete process which is heating, constant pressure, cooling and sample preparation is controlled bu the CPU. The equipment can automatically press, heat and set the temperature condition in a minute. It is easy for us to operate the equipment with the stop button. After the sample preparation, the equipment may show prompt alarm and automatic pressure relief, automatic cooling, which can achieve the idea effect. It is one necessary equipment in laboratory of colleges, research institutes and factories.

TECHNICAL SPECIFICATION

Model No.	METMOU 400-22	METMOU 400-30	METMOU 400-45
Sample diameter	**φ22mm**	**φ30mm**	**φ45mm**
Heating power	450~1000w		
Heating Range	100-200℃		
Cooling Range	20℃~90℃		
Holding time Range	0-999(s)		
Input Voltage	Single-phase 220V 50HZ		
Cooling mode	Water /slow Cooling		
Dimension	350mm×400mm×465mm		
Net Weight	48kg		

AUTOMATIC MOUNTING PRESS METMOU 500

METMOU 500 AUTOMATIC MOUNTING PRESS is a full automatic mounting press, equipped with in-out water cooling system. It is suitable for the heat mounting (thermohardening & thermoplastic) for all kinds of materials. After the parameters such as heating temperature, heat preserving time and applied force etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. Also it is available to prepare two pieces of specimens at the same time, the capacity is doubled.

TECHNICAL SPECIFICATION

- Diameter of specimen: Ø25mm, Ø30mm, Ø40mm, Ø50mm
- Power supply: 220V, 50Hz
- Max. power consumption: 1800W
- Setting range of system pressure intensity: 0-2MPa (corresponding preparing pressure intensity: 0-72MPa)
- Temperature setting range: 0-300 ºC
- Heat preserving time: 0-99m99s
- Dimensions: 615 × 510 × 500 cm
- Net weight: 110Kg
- Cooling method: water cooling



AUTOMATIC MOUNTING PRESS METMOU 510

METMOU 510 AUTOMATIC MOUNTING PRESS is a kind of full automatic mounting press, equipped with double working positions and in-out water cooling system. It is suitable for the hot mounting (thermo-hardening & thermoplastic) for all kinds of materials. After the parameters such as heating temperature, heat preserving time etc. are set up, put the specimen and mounting material into the machine, close the cover and press the start button, then the machine will finish the job automatically. It is not necessary for the operator to be on duty. According to different requirements of the material, there are four kinds of moulds that can be chosen to meet the demands at will. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

TECHNICAL SPECIFICATION

- Mould diameter: Ø25mm, Ø30mm, Ø40mm, Ø50mm
- Double working positions which increase the sample preparing capacity
- Touch screen LCD operation, automatic mounting process
- Equipped with water cooling system
- Cooling method: water cooling
- Heater: 850W
- Total power consumption: 1000W
- Power supply: single phase, 220V, 50Hz
- Dimensions: 670 x 590 x 510mm
- Net weight: 140Kg



VACUUM MOUNTING PRESS METMOU 200

The machine consists of a vacuum chamber, an indexing assembly, a fuselage assembly, a feed assembly, and a vacuum pump. This model can realize multi-sample setting, which can be quickly converted between each station to improve work efficiency.

TECHNICAL SPECIFICATION

Vacuum Chamber Diameter	φ260mm
Transposition Speed	5r/min
Sample Diameter	φ25~50mm、
Voltage	220V or 110V



AUTO GRINDING POLISHING MACHINE AUTPOL 300/320



Automatic polishing machine AUTPOL 300/320 is one kind of double disc type machine,which is the new generationg of high precison, the sample preparation process of automated manufacturing using the international advanced technology according to international standards.This machine adopts the advanced microprocessor control system,which makes the grinding disc,grinding head speed atepless adjustable,sample preparation pressure,time setting.The machine is applied more widely with the function of low noise and aluminum base.The machine is applicable to rough grinding,fine grinding,coarse polishing and polishing process as well as it is an ideal equipment for enterprises,scientific research institutions and colleges laboratory.

Model No.	AUTPOL 310	AUTPOL 320
Wheel diameter	φ250mm(200mm,300mm optional)	φ250mm(200mm,300mm optional)
Wheel quantity	1	2
Rotational rotation	Clockwise or anticlockwise	Clockwise or anticlockwise
Rotational speed	50-1000r/min&150/300r/min	50-1000r/min&150/300r/min
Power head speed	5-150r/min	5-150r/min
Loading range	5-60N	5-60N
Sample preparation time	0-9999S	0-9999S
Sample diameter	φ30mm(Φ22mm , Φ25mm,Φ40mm , Φ45mm , Φ50mm optional)	φ30mm(Φ22mm , Φ25mm , Φ40mm , Φ45mm , Φ50mm optional)
Preparation sample qty	6 PCS	6 PCS
Air pressure	0.6-0.8MPa	0.6-0.8MPa
Lighting	LED	LED
Input Voltage	AC220V 50HZ	AC220V 50HZ
Input power	1.1kw	1.1kw
Dimension	790mm ×566mm ×677mm	730mm X710mm X635mm
Net weight	93kg	98kg

SEMI-AUTO GRINDING POLISHING MACHINE AUTPOL 220/240

Grinding/polishing head

- Power: 200V or 380V 50/60HZ
- Rotate speed: 50 rpm/min
- Sample force: 0-40N
- Sample capacity: 3pcs weight:15kg



Model No.	SEMI-AUTPOL 220	SEMI-AUTPOL 240
Working Disc	1	2
Wheel diameter	φ250mm (200mm,300mm optional)	φ250mm (200mm,300mm optional)
Rotational speed	0-1400r/min	0-1400r/min
Constant speed	150r/min 、300r/min、600r/min、 1000 r/min	150r/min 、300r/min、600r/min、 1000 r/min
Emergency stop	YES	YES
Rotational direction	Clockwise or anticlockwise	Clockwise or anticlockwise
Input voltage	AC220V 50Hz	AC220V 50Hz
Wheel quantity	1PC	2PC
Input power	0.75KW	0.75KW
Dimension	594mm x795mm x310mm	758mm x785mm x310mm
Net weight	50kg	45kg

Automatic Grinding Polishing Machine AUTPOL GP100/GP120

AutoPOL GP are automatic grinder and polisher for metallographic specimen preparation. The strong and variable speed drive allows application for all working steps. The adjustable individual piston polishing heads can polish 1 to 6 specimens independent of each other.



AUTPOL GP120

FEATURES

- Simple operation for grinding and polishing
- Variable speed. Preset three fast speed buttons
- Adjustable piston pressure polishing head for polishing 1-6 specimens independent of each other
- CCW and CW direction control
- The water hose with universal direction can be pulled out for cleaning the basin
- Plastic disposable bowl liner for ease of cleaning
- Hard anodized aluminum working wheel
- Durable composite construction, antirust
- Powder coated aluminum housing, durable and reliable

AUTPOL GP100









TECHNICAL SPECIFICATION

Model No.	AUTPOL GP100	AUTPOL GP120
Wheel (mm)	Φ250mm	
Speed(rpm)	100-1000rpm , can be customized	
Wheel	1	2
Motor	550W	
Mode	Automatic	
Speed of head(rpm)	50-200	
Holder(mm)	Φ30x6pcs , Other sizes customerized	
Pressure	Individual Piston	
Motor of Head	90W	
Power	220V	
Paper Ring	●	●
Splash guard	●	●
Cover	●	●
Grinding paper	●	●
Polishing Cloth	●	●

Grinding Polishing Machine METPOL PM-1

It is suitable for pre grinding, grinding and polishing metallographic specimens. The machine is equipped with cooling system that can cool down the specimen during pre-grinding so as to prevent overheating and damage the metallographic structure. Featuring easy operation and reliable performance, it is an indispensable device for the factories, research institutions and college labs to prepare metallographic specimen



Wheel diameter	Φ203mm
Constant speed	450 r/min (left)
Emergency stop	YES
Rotational direction	anticlockwise
Input voltage	AC220V 50Hz
Wheel quantity	1PC
Input power	370W
Dimension	595mm x785mm x320mm
Net weight	42kg

Grinding Polishing Machine METPOL PM-2

It is suitable for pre grinding, grinding and polishing metallographic specimens. The machine is equipped with cooling system that can cool down the specimen during pre-grinding so as to prevent overheating and damage the metallographic structure. Featuring easy operation and reliable performance, it is an indispensable device for the factories, research institutions and college labs to prepare metallographic specimen



Wheel diameter	Φ203mm
Constant speed	450 r/min (left)、600 r/min (right)
Emergency stop	YES
Rotational direction	anticlockwise
Input voltage	AC220V 50Hz
Wheel quantity	2PC
Input power	370W
Dimension	755mm x780mm x310mm
Net weight	56kg

Grinding Polishing Machine METPOL 400/401/402

It is suitable for pre grinding, grinding and polishing metallographic specimens. Since the machine is speed-adjusted by microprocessor, it can run at a revolution of 0 to 600rpm/1000rpm/1400rpm,which favors the machine with wide applications. The machine is equipped with cooling system that can cool down the specimen during pre grinding so as to prevent overheating and damage the metallographic structure. Featuring easy operation and reliable performance, it is an indispensable device for the factories, research institutions and college labs to prepare metallographic specimen.



Model No.	METPOL 400	METPOL 401	METPOL 402
Wheel diameter	Φ203mm	Φ250mm	Φ300mm
Rotational speed	0-1400r/min	0-1000r/min	0-600r/min
Constant speed	150r/min 、300r/min、600r/min、1000 r/min		150r/min 、300r/min、450r/min、 600r/min
Emergency stop	YES		
Rotational direction	Clockwise or anticlockwise		
Input voltage	AC220V 50Hz		
Wheel quantity	1PC		
Input power	0.75KW		
Dimension	594mm x795mm x310mm		
Net weight	40kg		

Grinding Polishing Machine METPOL 420/421

This grinder polisher is double plate. It is suitable for pre grinding, grinding and polishing metallographic specimens. Since the machine is speed-adjusted by microprocessor, it can run at a revolution of 0 to 1000rpm/1400rpm, which favors the machine with wide applications. The machine is equipped with cooling system that can cool down the specimen during pre-grinding so as to prevent overheating and damage the metallographic structure. Featuring easy operation and reliable performance, it is an indispensable device for the factories, research institutions and college labs to prepare metallographic specimen.



Model No.	METPOL 420	METPOL 421
Wheel diameter	Φ203mm	Φ250mm
Rotational speed	0-1400r/min	0-1000r/min
Constant speed	150 r/min 、300 r/min、600 r/min、1000 r/min	
Emergency stop	YES	
Rotational direction	Clockwise or anticlockwise	
Input voltage	AC220V 50Hz	
Wheel quantity	2PC	
Input power	0.75KW	
Dimension	758mm x785mm x310mm	
Net weight	40kg	

Grinding Polishing Machine METPOL 007

ED@STQDR

- This model is the economical & practical instrument designed for metallographic specimen preparing. It can meet the demands of specimen preparing from customers very well.
- This model is designed and manufactured as per international advanced specimen preparing technology.
- Equipped with beautiful appearance machine shell and stainless steel parts which never rust.
- Equipped with double motors & double working disks which features independent controlling. The working disk can be changed and replaced swiftly.



TECHNICAL SPECIFICATION

- Diameter of working disc: **1/ / l l '12/+14/ l l noshnm`k(**
- Rotating speed of working disc: two-level constant speed of 300 / 600rpm (or 150 / 300 rpm is optional)
- Power supply: three phases, 380V, 50Hz
- Motor 120W/250W*2
- Dimensions: 70 x 68 x 33 cm
- Net weight: 50 Kg

5-STATION HAND GRINDER METPOL 550

METPOL 550 5-station hand grinder offers the small lab the ability to prepare samples for macro viewing within minutes. This hand grinder offers 5 stations for coarse to fine grinding. With the addition of the 5th station a near polished specimen can be obtained using a 1200 (P4000) grit SiC paper. METPOL 550 has an easy to advance system for providing fresh abrasive for consistent and rapid grinding,it also has an adjustable flow valve for wet grinding as well.





FEATURES:

- 5-station hand grinder
- Wet or dry grinding
- Manual grinder
- Easy to change abrasive rolls
- Easy to use
- Robust and durable design
- Low cost
- Easy to service

Grinding stations	240 grit,360 grit,600 grit,800 grit,1200 grit
Construction	Aluminum casting
Cooling rinse system	Water control
Dimensions (W x L x H)	610 x 510 x 130mm

ABRASIVE BELT SURFACE GRINDER METBEL 300

METBEL 300 ABRASIVE BELT SURFACE GRINDER made according to the international standard and advanced process technique. It adopts sand belt to grind and polish the specimen. The different belts can be changed swiftly. This machine can be used to replace the disc grinder and manual type abrasive paper grinding. It only takes 1-2 minutes to for each belt to finish the operation. For the grinding of spectroscopy specimen, it is very economic to save time, labour and abrasive paper. This machine can be widely used in laboratories, researching institutes and factories.



TECHNICAL SPECIFICATION

- Distance between the centers of two rollers: 255mm
- Equipped with water cooling system
- Sand belt: 920mm x 100mm (L x W)
- Rotating speed: 1400 rpm
- Motor: 550W
- Power supply: 380V, 3-phase, 50Hz

ABRASIVE BELT SURFACE GRINDER METBEL 310

METBEL 310 ABRASIVE BELT SURFACE GRINDER made according to the international standard and advanced process technique. It adopts sand belt to grind and polish the specimen. The different belts can be changed swiftly. This machine can be used to replace the disc grinder and manual type abrasive paper grinding. It only takes 1-2 minutes to for each belt to finish the operation. For the grinding of spectroscopy specimen, it is very economic to save time, labour and abrasive paper. This machine can be widely used in laboratories, researching institutes and factories.



TECHNICAL SPECIFICATION

- Distance between the centers of two rollers: 255mm
- Equipped with water cooling system
- Sand belt: 920mm x 100mm (L x W)
- Rotating speed: 1400 rpm
- Surface speed: 768 rpm
- Motor: 550W
- Power supply: 380V, 3-phase, 50Hz
- Dimensions: 600 × 550 × 310 mm

XJP-17AT/17BT METALLURGICAL MICROSCOPE



XJP-17 metallurgical microscopes are used for identification and analysis of the structures in different metals and alloys. They are the important instruments for researching metallography in metal physics. The instruments can select special photography device to take euploid pictures of atlas metallograph. The instruments are suitable for scientific research,colleges and factory.

FEATURES

- With plan achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.
- Coaxial coarse/fine focus system, with tension adjustable and up stop, minimum division of fine focusing: 2μm.
- 6V 20W halogen lamp, brightness control.
- Trinocular is compensation, can switch to observe normally or to observe the Polarize, can send 100% of light to top photography port.

Observation System



- Binocular , single diopter adjustment,inclined 30° , comfortable & good- looking.Trinocular can be connected to the camera. 10X wide field plan eyepiece, field Ø18mm , can provide an expanse and smooth space for observation.

Mechanical Stage



- The circular chromeplate substage is located in the center of mechanical stage so that enable rotate the specimen in the polarization observation.

Illumination System



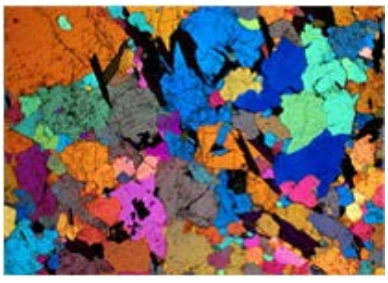
- Integrated illumination can make upthe difference of halogens by adjusting the spacial position. The illumination mode is" Kohler illumination" .and the adjustment of field and aperture diaphragm is achieved by turning the control plate,by adding the flashboard ploarizer can be rotated from 0°~90° . the adjustment mode is smooth and comfort.

Photography Unit

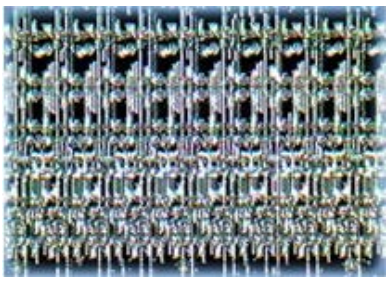


- By adding the appurtenance such as CCD adapter, digital camera adapter and single- reverse digital camera adapter and etc. It can achieve high clear observation mode of camera and vidicon

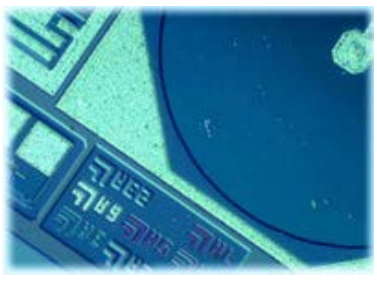
Digital camera photography:



Polarized observe



Bright type observe



Bright type observe

TECHNICAL SPECIFICATION

Model No.	XJP-17AT	XJP-17BT
Eyepiece	Wide field WF10X(Φ18mm)	
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 10X/0.25 Plan achromatic objectives with long working distance (no cover glass) PL L20X/0.40 Plan achromatic objectives with long working distance (no cover glass) PL L40X/0.60 Plan achromatic objectives with long working distance (no cover glass) PL 100X/1.25(Spring, oil)	Achromatic objectives(no cover glass) 10X/0.25 Achromatic objectives(no cover glass) 20X/0.40 Achromatic objectives(no cover glass) SP 40X/0.65 Achromatic objectives(no cover glass) 100X/1.25(Spring, oil)
Eyepieces tube	Trinocular, Inclination of 30˚	
Filter	Blue filter Green filter Yellow filter	
Focus system	Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm.	
Nosepiece	Quadruple(Ball bearing inner locating)	
Stage	Double layer mechanical (Size:180mmX150mm,moving range:15mmX15mm)	
Illumination	6V 20W halogen lamp, brightness control.	

INVERTED METALLURGICAL MICROSCOPE XJP-420



FEATURES:

■ XJP-420 Infinitive Optical System Providing Excellent Optical Functions. With the stable stand structure, advanced stage design and comfortable operation, it is widely used in institute and laboratory to observe and identify the structure of various metal and alloy.

TECHNICAL SPECIFICATION

Eyepiece	High-point , extra wide field eyepiece EW10×/ 20
Objectives	Inifitive Plan achromatic objective 4X/0.1 Inifitive Plan achromatic objective10X/0.25 Inifitive Plan achromatic objective20X/0.4(s) Inifitive Plan achromatic objective 40X/0.6
Viewing Head	Inclined 30°, interpupillary distance 48-75mm
Focusing	Coaxial coarse & fine adjustment, Vertical objective movement, Coarse stroke 37.7mm per rotation, Fine stroke 0.2mm per rotation
Mechanical Stage	Plain stage, stage layer Ø110mm, hole Ø10mm,Ø15mm,Ø25mm Moving range 120X78mm,loading plate 128X86mm
Nosepiece	Quintuple Nosepiece
Illuminator	6V/30W Halogen Lamp,Adjustable
Color Filter	Yellow, Blue , Green Color Filter, Ground Glass
Power Supply	AC220V/50Hz;110V/60Hz

OPTIONAL ACCESSORY

Product Name	Product Name
Infinite Plan Achormatic 5x/0.25	Infinite Plan Achormatic 80x/0.9
Infinite Plan Achormatic 100X/0.80	Mechanical 226x178mm
1xC-mount(Available for Digital Camera)	USB Camera USB-A1

XJP-410/410BD METALLURGICAL MICROSCOPE



XJP-410/410BD upriht metallurgical microscopes are suitable to observe surface of opaque object or transparent object. They are equipped with excellent UIS optical system and modularization function design so that provited excellent optical quilatity and operation performance, update system expediently and provided observation in reflected or transmitted and mixed illumination, polarizing observation, dark field observation. These instruments have beautiful sculpt, convenient control and clear image. They are the ideal instrument in research work in biology, metallography, mineralogy, precision engineering, electronics, ect.

FEATURES

Observation System



- Eyepieces tube: single diopter adjustment, inclined 30° , Trinocular can be connected to the camera.
- 10X wide field plan eyepiece: field φ 22mm , can provide an expanse and smooth space for observation.
- objective:infinity plan achromatic objective.

Transmitted illumination system



- Collector for halogen lamp illumination and integrated field diaphragm it can provide clear and bright image. Abbe condenser NA.1.25 Rack & pinion adjustable.

Epi-illumination





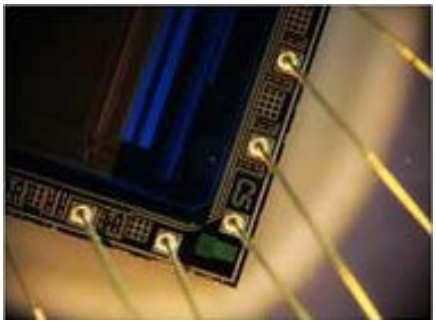
- Integrated filed diaphram,aperture diaphragm and filter switching device.Push-pull type analyzer and polarizer.
- XJP-410:6V 30W halogen lamp,adjustable brightness.
- XJP-410BD:12V 50W halogen lamp and adjustable brightness.
- XJP-410/410BD:Equipped with Y,B,G filters and frosted glass.

Dark field observation(for XJP-410BD)

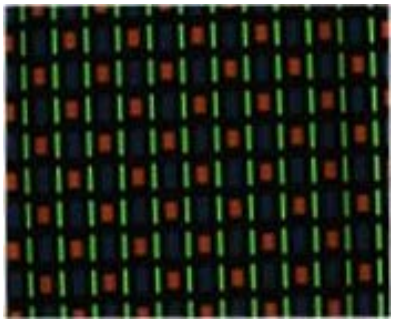


- Equipped high quality bright and dark field objectives and dark field illumination device.Avoid the stray light of illumination system and improve the image quality in the dark field.

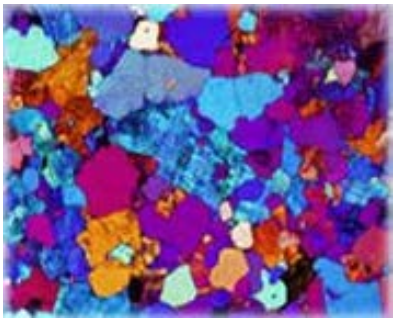
Digital camera photography:



Dark type observe



Bright type observe



Polarized observe

TECHNICAL SPECIFICATION

Eyepiece	10X wide field plan eyepiece and field of view number is Φ22mm, the eyepiece interface is Φ30mm		
Infinity plan achromatic objectives	**XJP-410 (Equipped bright field objective)**		PL L5X/0.12 working distance : 26.1 mm
			PL L10X/0.25 working distance : 20.2 mm
			PL L40X/0.60 working distance : 3.98 mm
			PL L60X/0.70 working distance : 2.08mm
	XJP-410BD (Equipped with dark / bright field objective)		PL L5X/0.12 BD working distance : 8.05 mm
			PL L10X/0.25BDworking distance : 7.86mm
			PL L20X/0.40 BD working distance : 7.2mm
			PL L40X/0.60BD working distance : 3.0 mm
Eyepiece tube	Trinocular inclined 30˚, pupil separation 53~75 mm.		
Focusing system	Coaxial coarse/fine focus system, with tension adjustable device, minimum division of fine focusing: 2.0μm.		
Nosepiece	Quintuple (Backward ball bearing inner locating)		
Stage	Mechanical stage , overall size : 210mmX140mm , moving range: 63mmX50mm		
Illumination system	**XJP-410**		6V30W halogen and brightness enable control.
	XJP-410BD		12V30W halogen and brightness enable control for transmission illumination. 12V50W halogen and brightness enable control for reflecting illumination.
	Integrated field diaphragm, aperture diaphragm and puller type polarizer.		
	Equipped withgroundglass and yellow ,green and blue filters		
Optional Accessory	Eyepiece		Dividing eyepiece(Φ22mm)
	Objective	**XJP-410**	Bright field objective 20X、50X、80X、100X(Dry)
		XJP-410BD	Bright&dark field objective 50X、60X、80X、100X
	CCD adapter		0.5X、1X、0.5X (with dividing)
	Camera		Usb output 1.3M、3.0M、5.0M、10Mpixel
	Digital camera adapter		Cannon (EF) nikon (F)

PORTABLE METALLURGICAL MICROSCOPE XJP-200, 10x & 50x Objectives

XJP-200 is a portable metallurgical microscope equipped with a rechargeable LED vertical illuminator. It can be used in the field to easily identify the structures of all types of metals and alloys. This portable metallurgical microscope can be widely used for identification of casting quality, inspection of raw material or metallurgical structures research and analysis of processed material in factories and laboratories also can be used in antique gem and surface observation.



TECHNICAL SPECIFICATION

Eyepiece	Plan eyepiece 10x/18mm
Objective	Long work distance plan objective: 10x and 50x
Total Magnification	100x and 500x
Mechanical Tube Length	160mm
Focusing Range	36mm
Illumination	Adjustable LED light. Rechargeable.
Dimension	23cm x 11cm x 7cm
Weight	0.75kg

PORTABLE METALLURGICAL MICROSCOPE XJP-300

The stable body ensures high-precision, sharp images, bright field of view and good observation. It also available connect digital camera, CCD camera, digits cam for images capture. XJP-300 is widely used in non-destructive testing in the field of material analisis of mechanical parts, metallurgy, roll, chemical industry and electrician etc. It is also used in factories and laboratories for casting quality identification, raw material inspection and to identify different metal and alloy organization structure. Applicable to operate inspection and analysis on the large pieces directly.



TECHNICAL SPECIFICATION

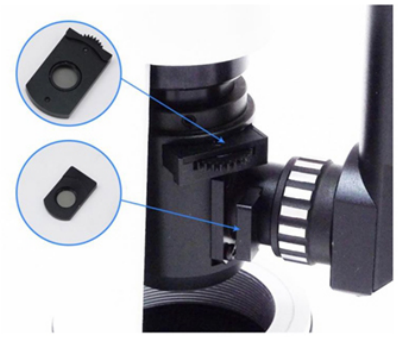
Plan Eyepiece	WF10X(Φ18mm) /12.5X
Long WD Plan Objective	10X/0.25、50X/0.65(Metallurgical Objective)
Total Mag.	100X-500X
Focusing Range	36mm
Mechanical Tube Length	160mm
Voltage	3.6V
Magnetic Base	90×70mm; Traveling Range: vertical 10mm; horizontal 10mm
Weight	Net: 0.75kg Gross: 0.9kg
Dimension	230×110×70(mm)
LED	Built-in rechargeable battery Adjustable brightness

STANDARD DELIVERY

A	Main Body
B	Eyepiece (10X)
C	Achromatic Objective (10X、40X)
D	Power cord
E	Magnetic Base
F	Suitcase
G	Warranty card
H	Certificate
I	Operation manual

OPTIONAL ACCESSORY

A	Achromatic Objective	4X、20X、60X、80X
B	Plan Metallographic Objective (Long Working Distance)	10X、20X、40X、60X、100X
C	CMOS Electronic Eyepiece	0.35MP、1.3MP、2MP、3.2MP、5MP、8MP、10MP ,many functions: single, timing, continuous image capture, display scale, measurement etc.
D	DSLR Digital Camera	Over 10 megapixel SLR camera(contains photo and video) such as Canon、 Nikon、 Leica etc.



Polarizer & Analysiser Slides (Optional)



Portable Aluminium Case



Photo Adapter For SLR Digital Camera (Optional)



Magnet Stand (Optional)









PORTABLE METALLURGICAL MICROSCOPE RMM-A3

FEATURES:

- The Roll Scope RMM-A3 is a very high quality, portable, upright metallurgical microscope
- Designed to be positioned directly over your sample for quick, efficient and easy observations.
- Dedicated Camera Port with C-mount camera adapter
- It is a fully equipped metallurgical microscope with built-in LED epi-illumination.
- You can use the microscope anywhere because it can be used with AA batteries.
- The microscope, as standard, is equipped with three top quality metallurgical objectives:
  M5X
  M10X
  M40X
- The objectives are mounted on a three position objective turret. Optionally you can add a M20X objective..
  Another option is the dial depth guage which is used for height and step measurements.
  The microscope can be turned into a top quality digital microscope by adding a camera, including battery powered cameras for the live transmission of the image to a Smartphoone, Smartpad, PC or direct to a PC or SD card via WiFi, USB or HDMI.
- Measurement software can also be supplied.

50X-800X Magnification (with options), Camera Option, Z Measurement option



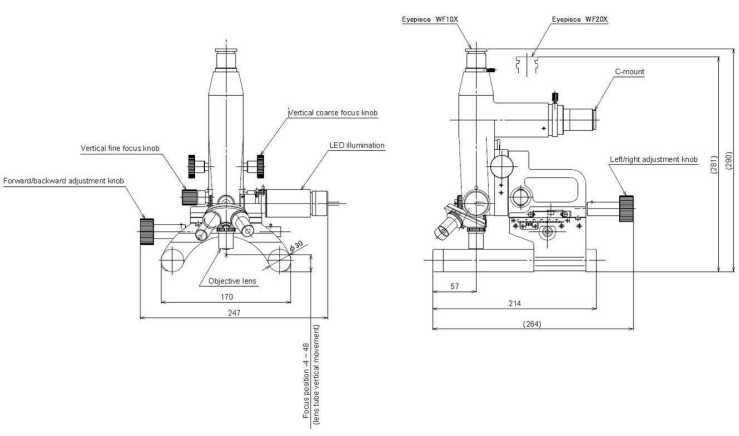
TECHNICAL SPECIFICATION

Microscope System	Monocular viewing head with dedicated camera port incl. C mount camera adapter (0.7X), three position objective turret	
Objectives	Standard: M5X, M10X, M40X	Optional: M20X
Eyepieces	Standard: WF10X	Optional: WF20X
Movement Range	Front - Rear direction: 50mm	Right - Left direction: 30mm
Focussing	Coarse movement range: 50mm Fine movement range: 2mm Separate coarse and fine focus knobs	
Illumination	White LED reflected illumination	
Power Supply	Dedicated AC adapter or 4X AA batteries	
Filter	Yellow and Green (replaceable)	
Weight	Main Unit 4.6Kg (plus AC adapter 0.3Kg or batteries)	

Common Uses

- Aviation – to inspect structural integrity of parts and components
- Printing – measurement of Gravure cells and Anilox rolls
- Field metallography
- Ship hull and press vessel examination
- Rolled materials inspection
- On-site failure analysis

DIMENSION



PORTABLE METALLURGICAL MICROSCOPE XJP-500

XJP-500 is a self-contained portable metallurgical microscope ideally used for inspecting metallography of metals in laboratory or in-situ. With fully handheld design and unique magnetic stand, XJP-500 can be attracted directly against the surface of ferrous metal at any angles for non-destructive examination on flatness, curvature as well as other complicated surface. PH 500 also can be used with digital camera or CCD image process system to download metallurgical image on to PC for data transfer, analysis, storage and printout.



FEATURES

- Handheld design makes inspecting metallograph easy in-situ.
- Magnetic stand can be attracted against ferrous metals at any angles.
- X,Y slideway move makes inspection friendly
- More convenient for photography
- Non destructively examination

TECHNICAL SPECIFICATION

- Microscope main: 100-500x (extendable 1500x)
- Eyepiece (largeview): 10x,12.5x (extendable15x)
- Objective: 10x, 40x (extendable 100x)
- Photo Eyepiece: 15x
- Slideway: X-direction 15mm, Y-direction12mm
- Camera: 35mm
- Digital Camera
- Illuminator (halide): 6V 15W
- Power supply: 230Vac 50/60Hz
- Stand: On-off magnetic stand
- Size: 210x160x 95mm
- Weight: 2.5kg

STANDARD DELIVERY

10X,12.5X eyepiece
10X,40X objective
Main body
Illuminator
Power supply
Carrying case

ELECTROLYTIC POLISHER for Metallurgical Microscope E-P302

E-P302 Electrolytic Polisher is a kind of pretreatment apparatus for metallographic specimen of metal materials. It is applicable to the polishing and etching of large work pieces in site and laboratory. The unique current-limiting structure after modification makes its overall structure compact and small. It is a kind of supplementary specimen preparation method for mechanical polishing. This apparatus has good effects on some soft nonferrous metal materials and some metal materials which can easily generate deformation layer in polishing such as high manganese steel and martensitic stain less steel.

Compared with mechanical polishing, electrolytic polishing has some merits including: scratch is easily caused in mechanical polishing for the soft metal materials, therefore, in order to obtain good polishing surface, fine polishing method and skilled polishing technology are needed. However, a smooth rubbed surface with no scratch can be easily obtained in electrolytic polishing. Electrolytic polishing produces no additional surface deformation and can easily eliminate the deformation disturbed layer on surface. For some metal materials with high hardness, electrolytic polishing is rapider than mechanical polishing. The shortcomings of electrolytic polishing include: it is not appliance to micro segregation for materials with non-homogeneous chemical composition. Moreover, electrolytic polishing can not be used for materials with emerged inclusion.



TECHNICAL SPECIFICATION

Engine	Engine model	Kw/rpm	135.5/2150
	No. of cylinders	Kw/rpm	637/1800
	Net Power	L	6.494
Main performance parameters	Main performance parameters	km/h	5.9/4.0
	Travel speed (max. & min.)	°	<=35
	Max. Gradeability	rpm	11.3
Hydraulic system	Hydraulic system	KPa	50.1
	Main pump	KN	161
	Rate flow	KN	12

METALLOGRAPHIC CONSUMABLES

CONSUMABLES FOR CUTTING

1.Cut off wheels
2.Diamond wafering blades
3.Cutting coolant

CONSUMABLES FOR MOUNTING

1.Hot mounting
2.Cold mounting
3.Mounting accessories

CONSUMABLES FOR POLISHING AND GRINDING

1.Abrasive paper
2.Diamond discs
3.Adapter plate
4.Polishing cloth
5.Polishing consumables

For more details,pls contact our local distributors or our sales:
sales@prideinstrument.com / info@prideinstrument.com.



SPECIMEN LEVELING PRESS SLP-100

When viewing flat polished surfaces with an optical microscope, it is desirable that the image stays in focus as the specimen is traversed on the microscope stage.
When viewing flat polished surfaces with an optical microscope, it is desirable that the image stays in focus as the specimen is traversed on the microscope stage. To achieve this, the polished surface must be made parallel to the glass slide. The specimen levelling press is used to fix standard metallographic mounts or irregular shaped polished samples onto glass slides using Plasticine or mounting wax.

TECHNICAL SPECIFICATION

Metal body
Up pressing diameter Ø50mm
Lower table diameter Ø90mm
Working distance 45mm
Accuracy ≤0.5mm
Weight 1kg
Dimension W/D/H: 100x120x215mm



SPECIMEN LEVELING PRESS SLP-200

TECHNICAL SPECIFICATION

Metal body
Up pressing diameter Ø85mm
Lower table diameter Ø85mm
Accuracy ≤0.5mm
Weight 3kg
Dimension W/D/H: 120x153x310mm

