



MODEL MOPAO 2000 METALLOGRAPHY AUTOMATIC SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. Pneumatic loading, digital displaying rotating speed
2. Load pressure & specimen making time are adjustable
3. Grinding & polishing disks have two functions: two-level constant speeds & stepless speed changing
4. Grinding & polishing head can be set to stepless speed changing status.
5. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
6. Equipped with grinding & polishing disks which can be changed swiftly and multi-specimen clamping holder.
7. Central pressure loading.
8. Automatic and big volume feeding system of grinding materials.
9. It is available to process several specimens at same time.
10. One-key restoring program function

Technical specifications

1. Grinding & polishing disks rotating speed:
50-600rpm (stepless speed changing) or 150/300 rpm (two-level constant speed)
2. Loading range: 1-225N
3. Specimen preparing time: 0-9999 seconds

4. Diameter of grinding & polishing disks: Ø250mm
5. Power supply: 220V/50Hz
6. Dimensions: 660 × 380 × 640 mm
7. Net weight: 45 KG



MODEL BG-32 BELT SURFACE GRINDING MACHINE

Model BG-32 Belt surface grinding machine is of new generation design, 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 specifications

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



MODEL MPJ-35 COARSE METALLOGRAPHY SPECIMEN GRINDING MACHINE

Model MPJ-35 Coarse metallography specimen grinding machine is used for rough grinding for metallographic specimen. It adopts wet grinding, the cooling system can cool down the specimen surface, prevent the specimen's metallographic structure from being broken because of overheat, and take way the scraps of specimen. The machine features easy and safe operation. It is the ideal specimen preparation instrument for using in laboratories, scientific research institutes, colleges and factories.

Technical specifications

1. Rotating speed: 1450 rpm
2. Size of abrasive blade: 350 x 40 x 40 mm
3. Power supply: 380V, 3-phase, 50 Hz
4. Motor: 3 KW
5. Dimensions: 630 × 850 × 980 mm
6. Net weight: 180 Kg



MOPAO 160 METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. There are two optional types for MoPao 160: 200mm or 250mm working disk. The working disk can be changed and replaced swiftly.
5. There are two-level constant speeds for the working disk.

Model & Technical specifications

1. Rotating speed of working disk: 150/300 rpm (Two-level)
2. Diameter of working disk: 200mm / 250mm
3. Power supply: 380V three phases
4. Dimensions: 340x630x300mm (200mm)
or 380x660x300mm (250mm)
5. Net weight: 45Kg



MOPAO 300 METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. There are two-level constant speeds for working disk. The working disk can be changed and replaced swiftly.

Model & Technical specifications

1. Rotating speed of working disk: 150/300rpm (two-level)
2. Diameter of working disk: 300mm
3. Power supply: 380V three phases
4. Dimensions: 430 x 710 x 300mm
5. Net weight:55Kg



MOPAO 260 METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Double working disks. There are two-level constant speeds for working disk. The working disk can be changed and replaced swiftly.
5. There are two optional types for MoPao 260: 200mm or 250mm working disk.

Model & Technical specifications

1. Rotating speed of working disk: 150/300rpm (two-level)
2. Diameter of working disk: 200mm / 250mm
3. Power supply: 380V three phases
4. Dimensions: 630x630x300mm (200mm)
or 730x660x300mm (250mm)
5. Net weight: 45Kg



MOPAO 300S METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Double working disks. The working disk can be changed and replaced swiftly. There are two-level constant speeds for working disk.

Model & Technical specifications

1. Rotating speed of working disk: 150/300rpm (two-level)
2. Diameter of working disk: 300mm
3. Power supply: 380V three phases
4. Dimensions: 430 x 710 x 300mm
5. Net weight: 55Kg



MOPA0 160E METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. There are two optional types for MoPao 160E: 200mm or 250mm working disk. The working disk can be changed and replaced swiftly.
5. There are two working conditions for this model: the stepless speed changing status or two-level constant speed status. The working condition can be switched from one to another easily. Also the rotating direction of working disk can be chosen at will.
6. One key restoring function.

Model & Technical specifications

1. Rotating speed of working disk:
50-600rpm (stepless speed changing) or
150/300rpm (two-level constant speed)

2. Diameter of working disk: 200mm / 250mm
3. Power supply: 220V 50Hz
4. Dimensions: 340x630x300mm (200mm)
or 380x660x300mm (250mm)
5. Net weight: 45Kg



MOPAO 300E METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. There are two working conditions for this model: the stepless speed changing status or two-level constant speed status. The working condition can be switched from one to another easily. Also the rotating direction of working disk can be chosen at will.
5. The working disk can be changed and replaced swiftly.
6. One key restoring function.

Model & Technical specifications

1. Rotating speed of working disk:
50-600rpm (stepless speed changing) or
150/300rpm (two-level constant speed)
2. Diameter of working disk: 300mm
3. Power supply: 220V 50Hz
4. Dimensions: 430 x 710 x 300mm

5. Net weight: 55Kg



MOPA0 260E METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Double working disks. The working disk can be changed and replaced swiftly.
5. There are two optional types for MoPao 260E: 200mm or 250mm working disk.
6. There are two working conditions for this model: the stepless speed changing status or two-level constant speed status. The working condition can be switched from one to another easily. Also the rotating direction of working disk can be chosen at will.
7. One key restoring function.

Model & Technical specifications

1. Rotating speed of working disk:
50-600rpm (stepless speed changing) or
150/300rpm (two-level constant speed)
2. Diameter of working disk: 200mm / 250mm
3. Power supply: 220V 50Hz
4. Dimensions: 630x630x300mm (200mm)
or 730x660x300mm (250mm)
5. Net weight: 45Kg



MOPAO 300SE METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Double working disks. The working disk can be changed and replaced swiftly.
5. There are two working conditions for this model: the stepless speed changing status or two-level constant speed status. The working condition can be switched from one to another easily. Also the rotating direction of working disk can be chosen at will.
6. One key restoring function.

Model & Technical specifications

1. Rotating speed of working disk:
50-600rpm (stepless speed changing) or
150/300rpm (two-level constant speed)
2. Diameter of working disk: 300mm
3. Power supply: 220V 50Hz
4. Dimensions: 430 x 710 x 300mm
5. Net weight: 55Kg



MOPAO 2D METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Equipped with double motors & double working disks which features independent controlling. The working disk can be changed and replaced swiftly.
5. There are two optional types for MoPao 2D: 200mm or 250mm working disk.

Model & Technical specifications

1. Rotating speed of working disk: 150/300rpm (two-level)
2. Diameter of working disk: 200mm / 250mm
3. Power supply: 380V three phases



MOPAO 2DE METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. This model is the economical & practical instrument designed for metallography specimen preparing. It can meet the demands of specimen preparing from customers very well.
2. This model is designed and manufactured as per international advanced specimen preparing technology.
3. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
4. Equipped with double motors & double working disks. The working disk can be changed and replaced swiftly.
5. There are two optional types for MoPao 2DE: 200mm or 250mm working disk.
6. There are two working conditions for this model: the stepless speed changing status or two-level constant speed status. The working condition can be switched from one to another easily. Also the rotating direction of working disk can be chosen at will.
7. One key restoring function.

Model & Technical specifications

1. Rotating speed of working disk:
50-600rpm (stepless speed changing) or
150/300rpm (two-level constant speed)
2. Diameter of working disk: 200mm / 250mm
3. Power supply: 220V 50Hz
4. Net weight: 75 Kg



MODEL MOPAO 1000 METALLOGRAPHY AUTOMATIC SPECIMEN GRINDING & POLISHING MACHINE

Main features:

1. Digital display rotating speed
2. Load pressure & specimen making time are adjustable
3. Grinding & polishing disks have two functions: two-level constant speeds & stepless speed changing
4. Grinding & polishing head can be set to stepless speed changing status.
5. Equipped with beautiful appearance glass fibre reinforced plastic machine shell and full stainless steel parts which never rust.
6. Equipped with grinding & polishing disks which can be changed swiftly and multi-specimen clamping holder.
7. Central pressure loading.
8. Automatic and big volume feeding system of grinding materials.
9. Processing 6 specimens at same time is available.
10. One-key restoring program function

Technical specifications

1. Grinding & polishing disks rotating speed:
0-600rpm (stepless speed changing) or
150/300 rpm (two-level constant speed)

2. Loading range: 1-200N
3. Specimen preparing time: 0-999 seconds
4. Max. diameter of specimen: Ø30mm
5. Diameter of grinding & polishing disks: Ø250mm
6. Power supply: 220V/50Hz
7. Dimensions: 660 × 380 × 640 mm
8. Net weight: 45 Kg



MODEL P-1 METALLOGRAPHY SPECIMEN POLISHING MACHINE

Model P-1 Metallography specimen polishing machine is suitable for the polishing of the specimen which has been grinded. The specimen surface is very smooth after processing and can be used to observe and measure the metallography structure of specimen under microscope.

Technical specifications

1. Diameter of polishing disk: Ø200mm
2. Polishing disk rotating speed: 1400 rpm
3. Motor: 180W 220V 50Hz.
5. Dimensions: 32 × 32 × 30 cm
6. Net weight: 16 Kg



MODEL P-2 METALLOGRAPHY SPECIMEN POLISHING MACHINE

Model P-2 Metallography specimen polishing machine is suitable for the polishing of the specimen which has been grinded. The specimen surface is very smooth after processing and can be used to observe and measure the metallography structure of specimen under microscope.

Technical specifications

1. Diameter of polishing disk: Ø200mm, double disks
2. Polishing disk rotating speed: 1400 rpm
3. Motor: 180W, 220V, 50Hz.
4. Dimensions: 90 × 50 × 92 cm



MODEL P-2T METALLOGRAPHY SPECIMEN POLISHING MACHINE

Model P-2T Metallography specimen polishing machine is a kind of double-disk table type polishing machine and can be operated by two persons at the same time. It is suitable for the polishing of the specimen which has been grinded. The specimen surface is very smooth after processing and can be used to observe and measure the metallography structure of specimen under microscope.

Technical specifications

1. Diameter of polishing disk: $\varnothing 200\text{mm}$, double disks
2. Polishing disk rotating speed: 900 rpm or 1400 rpm (customize)
3. Motor: 180W 220V 50Hz.
4. Polishing materials is equipped with this machine
5. Cooling system is equipped with this machine



MODEL P-2G METALLOGRAPHY SPECIMEN POLISHING MACHINE

Model P-2G Metallography specimen polishing machine is designed and improved on the basis of P-2T Metallography specimen polishing machine. The appearance is changed from original floor type into cabinet type. This machine features nice appearance design, big store cabinet and cooling system (which can clear up the heat produced during grinding so as to prevent the metallography structure from being damaged). By equipping the motor with different rotating speed, it can meet the different demands of different materials when polishing. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

Technical specifications

1. Diameter of polishing disk: Ø200mm, double disks
2. Polishing disk rotating speed: 900 or 1400 rpm (customize)
3. Power supply: 220V 50Hz.
4. Dimensions: 55 x 82 x 97 cm



MODEL M-2 METALLOGRAPHY SPECIMEN PREGRINDING MACHINE

Model M-2 Metallography specimen pregrinding machine is a kind of wet type pregrinding machine. Taking advantage of various water-resistant sand paper with different granularity, it can be used to pregrind various metal and alloy materials. By using this machine, manual grinding can be replaced by mechanical grinding so as to improve specimen preparing efficiency, also the deforming and heating traces produced during cutting can be removed completely. This will be suitable to observe and measure the metallography structure of specimen under microscope.

Technical specifications

1. Diameter of grinding disk: Ø230mm, double disks
2. Grinding disk rotating speed: 450 rpm (or customize)
3. Motor: 370W, 220V, 50Hz.
4. Dimensions: 69 × 72 × 31 cm

5. Net weight: 45 Kg



**MODEL MP-2 METALLOGRAPHY SPECIMEN
GRINDING & POLISHING MACHINE (ECONOMICAL TYPE)**

Model MP-2 Metallography specimen grinding & polishing machine is equipped with double disks, and it can finish grinding or polishing with two different speeds. The rotating speed of left disk (pre-grinding disk) is 450 rpm and right disk (polishing disk) is 600 rpm. With double disks and different grinding and polishing materials, it can realize the process of rough grinding, fine grinding, rough polishing and finishing polishing. This machine features easy operation and economical applying. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

Technical specifications

1. Diameter of grinding disk: Ø230mm, rotating speed 450 rpm (or customize)
2. Diameter of polishing disk: Ø200mm, rotating speed 600 rpm (or customize)
3. Power supply: 370W, 220V, 50Hz
4. Dimensions: 72 × 69 × 31 cm
5. Net weight: 45 Kg



MODEL MP-1B METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE

Model MP-1B Metallography specimen grinding & polishing machine is equipped with single disk and features stepless speed changing grinding and polishing. The rotating speed of grinding and polishing disk is adjustable from 50 to 1000 rpm. It can realize the whole process of rough grinding, fine grinding, rough polishing and finishing polishing for specimen preparing. This machine features easy operation and economical applying. It is the ideal specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

Technical specifications

1. Digital display of rotating speeds of grinding and polishing disks
2. Power supply: 220V, 50Hz
3. Diameter of grinding disk: Ø230mm, rotating speed 50-1000 rpm
4. Diameter of polishing disk: Ø200mm, rotating speed 50-1000 rpm
5. Diameter of sand paper: Ø200mm
5. Motor: YSS7124, 550W
6. Dimensions: 65 × 37 × 31 cm
7. Net weight: 30 Kg



MODEL MP-2B METALLOGRAPHY SPECIMEN GRINDING & POLISHING MACHINE (STANDARD TYPE)

Model MP-2B Metallography specimen grinding & polishing machine is equipped with double disks and features stepless speed changing grinding and polishing. It can finish

the whole process of rough grinding, fine grinding, rough polishing and finishing polishing for specimen preparing. By adjusting the transducer, it can realize the rotating speed of grinding and polishing disk adjustable from 50 to 1000 rpm. This bring this machine with much more extensive applying and make it become the necessary metallography specimen preparing instrument for using in factories, scientific research institutes and laboratories of colleges.

Technical specifications

1. Digital display of rotating speeds of grinding and polishing disks
2. Power supply: 220V, 50Hz
3. Diameter of grinding disk: Ø230mm, rotating speed 50-1000 rpm
4. Diameter of polishing disk: Ø200mm, rotating speed 50-1000 rpm
5. Diameter of sand paper: Ø200mm
6. Motor: YSS7124, 550W
7. Dimensions: 73 × 66 × 30 cm
8. Net weight: 45 Kg