

Metallographic Sample Preparation Polishing Machine

In the process of metallographic sample preparation, polishing is a main procedure. After polished, the sample surface is like a mirror. iqualitrol metallographic sample polishing machine with steady running, small noise, convenient operation and maintenance.

They can polish kinds of metal materials, and suitable for factories and mines enterprises, colleges and universities, scientific research institution.

Technical Parameters:



Model	XGrind-301
Polishing disc Diameter	φ203mm
Rotate speed:	1400r/min (900r/min alternative)
Input voltage	AC220V/50HZ/1Ph
Disc quantity	Single Disc
Motor:	180W
Dimension	360mm x450mm x320mm
Net weight	15kg



Model	XGrind-302
Polishing Disc Diameter	φ203mm
Rotate speed:	1400r/min (900r/min alternative)
Input voltage	AC380V/50HZ/3Ph
Disc quantity	2
Motor:	360W
Dimension	888mm x478mm x915mm
Net weight	31kg



Model	XGrind-303
Polishing disc diameter	φ203mm
Rotate speed:	1400r/min (900r/min alternative)
Input voltage	AC220V/50HZ/1Ph
Disc quantity	2
Motor:	360W
Dimension	720mm x400mm x360mm
Net weight	35kg



Model	XGrind-304
Polishing disc diameter	φ203mm
Rotate speed:	1400r/min (900r/min alternative)
Input voltage	AC220V/50HZ
Disc quantity	2
Motor:	360W
Dimension	570mm x910mm x1100mm
Net weight	74kg

Metallographical Pre-grinding Machine

The pre-grinding machine is table style with single/double disc, which used for rough grinding, half finished grinding and fine grinding operation for metallographic sample.

It is necessary for users making metallographic sample. The cooling system can keep samples metallographic organization in good condition during grinding and polishing.

It is convenient and on the safe side, an ideal option for lab, factories, science and research institutions and universities.



XGrind-306



XGrind-307

Technical Parameters:

Model	XGrind-306	XGrind-307
Grinding Disc diameter	203mm	230mm
Motor:	380W	470W
Rotate speed of grinding disc	700rpm	450rpm
Input voltage	AC220V 50Hz	AC220V 50Hz
Dimension	450x390x580mm	730*600*280mm
Weight	20kg	45kg

Double Disc Fixed Speed Metallographical Grinding and Polishing Machine

XGrind-305 double disc metallographical Grinding and Polishing Machine is suitable for carrying out rough grinding, normal grinding and polishing against metallographical specimens.

The machine is equipped with cooling system which can cool down the specimen during grinding so as to prevent overheating and damage the metallographical structure.



Model	XGrind-305
Disc diameter	Polishing 203mm, Grinding 230mm
Motor:	370W
Rotate Speed	450rpm left,600rpm right
Input voltage	AC220V/50Hz/1Ph
Dimension	725mm x710mm x310mm
Weight	40kg

Metallographic Grinding and Polishing Machine with Stepless Speed



XGrind-309



XGrind-308

XGrind-308/309 is suitable for pre-grinding, grinding and polishing metallographic specimens. Since the machine is stepless speed, it can run speed 50-1000rpm with wide applications.

The machine is equipped with cooling system which can cool down the specimen during rough grinding so as to prevent overheating and avoid damage the metallographic structure .

Technical Parameters:

Model	XGrind-308	XGrind-309
Grinding/polishing disc	φ203mm	φ203mm
Rotate speed:	50-1000r/min	50-1000r/min
Power Supply	AC220V/50Hz/1Ph	AC220V/50Hz/1Ph
Disc quantity	2	1
Motor Power Consumption	550W	250W
Dimension	725mm x710mm x310mm	740mm x400mm x310mm
Net weight	50kg	20kg

Metallographic Grinding and Polishing Machine with Stepless Speed and Touch Screen



Single disc (Diameter 203mm) XGrind-310 touch screen grinding and polishing machine is suitable for pre-grinding, grinding and polishing metallographic specimens.

Stepless speed at 50-1000rpm, all the grinding/polishing parameter settings can be down by touch screen.

The rest technical specifications are same with XGrind-309.

Touch Screen Metallographic Grinding and Polishing Machine with Four Speeds/Stepless Speed

Touch screen grinding and polishing machine is suitable for pre-grinding, grinding and polishing metallographic specimens. It equips with stepless speed 50-1000rpm, also can directly get 150rpm, 300rpm, 600rpm, and 800rpm.

It also equips with cooling system which can cool down the specimen during primary grinding so as to prevent overheating and damage the metallographic structure .



XGrind-312



XGrind-311

Technical Parameters:

Model	XGrind-312	XGrind-311
Disc diameter	φ203mm	φ203mm
Rotate speed:	150rpm, 300rpm, 600rpm, 800rpm Stepless Speed 50-1000rpm	150rpm, 300rpm, 600rpm, 800rpm Stepless Speed 50-1000rpm
Input voltage	AC220V/50Hz/1Ph	AC220V/50Hz/1Ph
Disc Quantity	2	1
Motor Consumption	750W	550W
Dimension	740mm x450mm x670mm	740mm x450mm x370mm
Net weight	35kg	35kg

Stepless Speed Double Disc Metallographic Grinding and Polishing Machine with Two Motors

XGrind-316 grinding-polishing machine is applicable to do rough grinding, fine grinding and polishing of metallographic samples. It has stepless speed of 50-600rpm to widen its application. and has a cooling device to cool the sample during grinding and polishing, thus preventing the damage of the metallographic structure caused by overheat of the sample.

Technical Data:

Model	XGrind-316
Disc diameter	203mm
Rotation speed	50-600r/min
Rotation Direction	Clockwise or anticlockwise
Input voltage	AC220V/50Hz/1Ph
Disc Quantity	2
Input power	550W
Dimension	700x600x278mm
Net weight	55kg



Metallographic Grinding and Polishing Machine with Stepless Speed 50-600rpm

Stepless speed Grinding and Polishing Machine is suitable for pre-grinding, grinding and polishing metallographic specimens. It can run at speed of 50-600rpm, which favors the machine with wide applications.

Also the machine equips with cooling system that can cool down the specimens during grinding so as to prevent overheating and damage the metallographic structure.



XGrind-315



XGrind-314

Technical Parameters:

Model	XGrind-315	XGrind-314
Disc Diameter	203mm	203mm
Rotation Speed	50-600r/min	50-600rpm
Rotation Direction	Clockwise or anticlockwise	Clockwise or anticlockwise
Input voltage	AC220V/50Hz/1Ph	AC220V/50Hz/1Ph
Disc Quantity	2	1
Input power	550W	250W
Dimension	700x600x270mm	370x670x310mm
Net weight	50kg	35kg

Metallographic Grinder and Polisher with Fixed Double Speeds



Technical Parameters:

Model	XGrind-319	XGrind-320
Disc Diameter	Dia 203mm	203mm
Rotation speed	150rpm and 300rpm	300rpm/600rpm
Input voltage	AC380V/50Hz/3Ph	AC380V/50Hz/1Ph
Disc Quantity	1	2
Input power	370W	370W
Dimension/Weight	740mm x400mm x310mm/30Kg	725mm x710mm x310mm/45Kg