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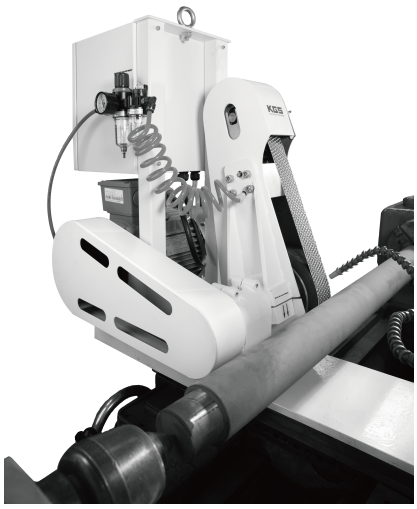
PROUD MANUFACTURERS INNOVATORS SINCE 1906



TPG M1-50A

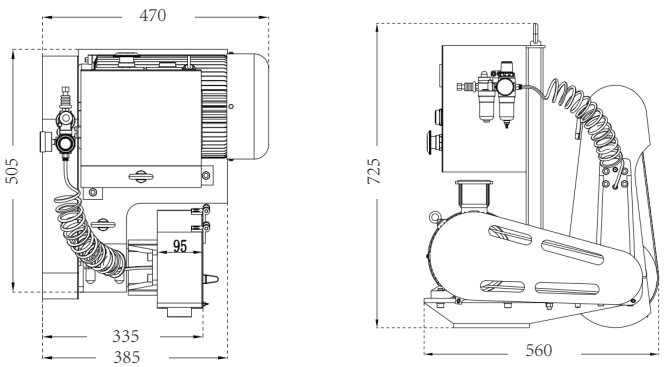
Appilcation：

The KGS Tool Post Grinder (TPG), model M1-50A, is designed to significantly improve grinding and polishing efficiency of cylindrical parts. The model M1-50A tool post grinder is conveniently located on the lathe carriage giving easy access to the workpiece.

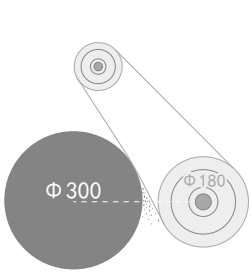
The KGS TPG is widely used for roll grinding in the paper industry, hydraulic rods for heavy equipment, printing machine components, metal calendering, bearings, wire drawing pulleys and many other cylindrical part grinding or polishing applications.

Machinable range：

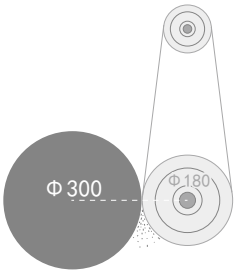
Contact grinding: 30mm<diameter <500mm
Free grinding: 30mm<diameter <300mm
For both setup, the maximum machinable length depends on the traverse length of the lathe or grinder, the minimum length is equal to the belt width.



M1-50A(B) Size, Structure schematic



Free grinding



Contact grinding

Advantage：

- The contact area, contact pressure and belt speed can all be adjusted for a consistent finish on the workpiece surface.
- Fixed grinding and free grinding modes can be selected by adjusting the angle of the support arm.
- Belt tension and belt replacement are easily managed through a pneumatically controlled belt tension system.
- The belt speed and motor load are displayed on the control panel to monitor the process status of the TPG.

Specifications：

Model	Power（kW）	Size of belt(mm)		rpm	Feed speed of belt（m/s）	Voltage (V)	Electrical phase	Frequency (Hz)	Weight (kg)	Dimensions LxWxH（mm）
		Min	Max							
M1-50A(B)	2.2	1180x50	1220x50	0-2400	0-50	380	3	50/60	96	560x470x725
M1R-50A(B)	2.2	1180x50	1220x50	0-2400	0-50	380	3	50/60	96	560x470x725

Note：
1.Air pressure 90psi (6bar)
2.Recommended lathe specifications: Swing over carriage >240mm
3.The standard center height of this machine is 120mm（The distance from the mounting plate to the center of the contact wheel）
4.M1-50A(B) mounted on the same side as the operator M1R-50A (B)installed opposite the operator

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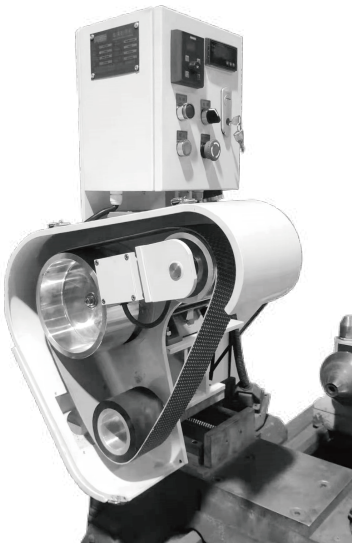


TPG M1RT-50A

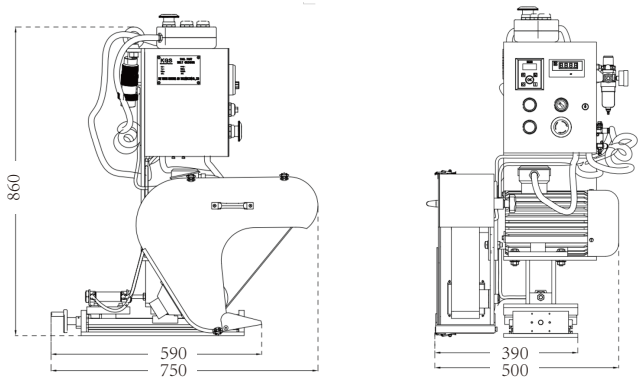
Appilcation：

The KGS Tool Post Grinder (TPG), model M1RT-50A, is designed to significantly improve grinding and polishing efficiency of cylindrical parts. The model M1RT-50A tool post grinder is conveniently located on the lathe carriage giving easy access to the workpiece.

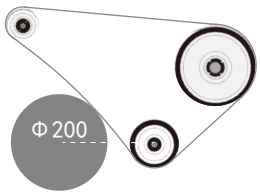
The KGS TPG is widely used for roll grinding in the paper industry, hydraulic rods for heavy equipment, printing machine components, metal calendering, bearings, wire drawing pulleys and many other cylindrical part grinding or polishing applications.

Machinable range：

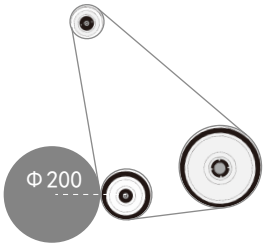
Contact grinding: 30mm<diameter <300mm
Free grinding: 30mm<diameter <300mm
For both setup, the maximum machinable length depends on the traverse length of the lathe or grinder, the minimum length is equal to the belt width.



M1RT-50ASize, Structure schematic



Free grinding



Contact grinding

Advantage：

- The available contact area for "free grinding" is larger so that the grinding results can be more homogeneous on the workpiece. This allows more control to texture surfaces.
- The support arm of the abrasive belt is easily adjustable to select between "free grinding" or "contact grinding" and giving more options depending on the size of the workpiece.
- Pneumatically controlled belt tensioning allows for precise process control and for easy belt replacments.
- The digital display of speed and motor amps also allows precision process control and adjustments can be made in real time.
- The TPG has dustproof and waterproof covers and can work in WET or DRY working conditions.

Specifications：

Model	Power（kW）	Size of belt(mm)		rpm	Feed speed of belt（m/s）	Voltage (V)	Electrical phase	Frequency (Hz)	Weight (kg)	Dimensions LxWxH（mm）
		Min	Max							
M1-50A(B)	2.2	1200x50	1230x75	0-4600	0-50	380	3	50/60	96	750x500x860

Note：
1.Air pressure 90psi (6bar)
2.Recommended lathe specifications: Swing over carriage >210mm
3.The standard center height of this machine is customized(The distance from the mounting plate to the center of the contact wheel)

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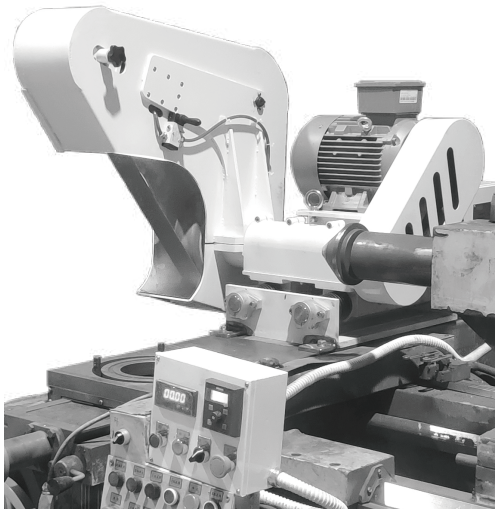


TPG M2RT-75A(B)

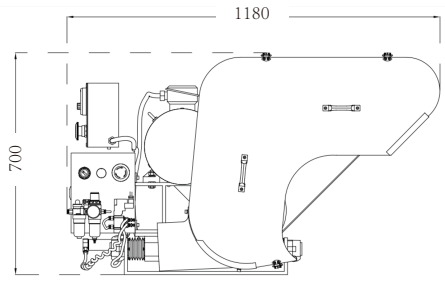
Appilcation：

The KGS Tool Post Grinder (TPG), model M2RT-75A, is designed to significantly improve grinding and polishing efficiency of cylindrical parts. The model M2RT-75A tool post grinder is conveniently located on the lathe carriage giving easy access to the workpiece.

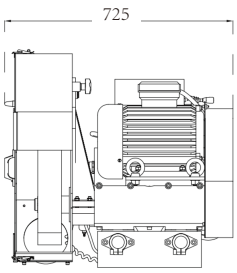
The KGS TPG is widely used for roll grinding in the paper industry, hydraulic rods for heavy equipment, printing machine components, metal calendering, bearings, wire drawing pulleys and many other cylindrical part grinding or polishing applications.

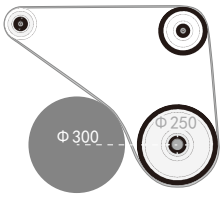
Machinable range：

Contact grinding: 30mm<diameter <1000mm
Free grinding: 30mm<diameter <600mm
For both setup, the maximum machinable length depends on the traverse length of the lathe or grinder, the minimum length is equal to the belt width.

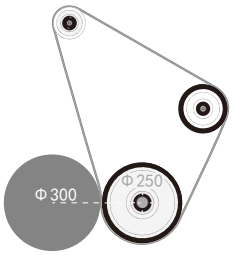


M2RT-75A(B) Structure schematic





Free grinding



Contact grinding

Advantage：

- The available contact area for "free grinding" is larger so that the grinding results can be more homogeneous on the workpiece. This allows more control to texture surfaces.
- The support arm of the abrasive belt is easily adjustable to select between "free grinding" or "contact grinding" and giving more options depending on the size of the workpiece.
- Pneumatically controlled belt tensioning allows for precise process control and for easy belt replacments.
- The digital display of speed and motor amps also allows precision process control and adjustments can be made in real time.
- The TPG has dustproof and waterproof covers and can work in WET or DRY working conditions.

Specifications：

Model	Power（kW）	Size of belt(mm)		RPM	Feed speed of belt（m/s）	Voltage (V)	Electrical phase	Frequency (Hz)	Weight (kg)	Dimensions LxWxH（mm）
		Min	Max							
M2RT-75A(B)	4	1980x50	2100x75	0-2400	0-50	380	3	50/60	225	1180x725x700

Note：
1.Air pressure 90psi (6bar)
2.Recommended lathe specifications: Swing over carriage >400mm
3.The standard center height of this machine is 200mm（The distance from the mounting plate to the center of the contact wheel）

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TPG-M3-100A(B)

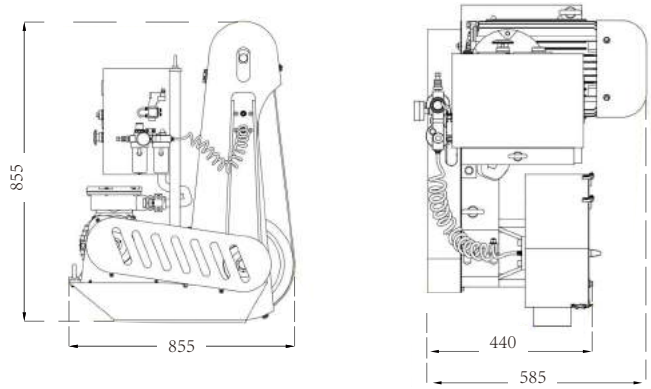
Appilcation：

The KGS Tool Post Grinder (TPG), model M3-100A, is designed to significantly improve grinding and polishing efficiency of cylindrical parts. The model M3-100A tool post grinder is conveniently located on the lathe carriage giving easy access to the workpiece.

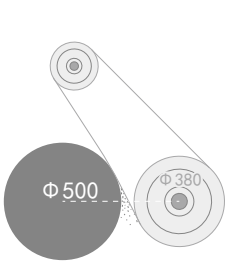
The KGS TPG is widely used for roll grinding in the paper industry, hydraulic rods for heavy equipment, printing machine components, metal calendering, bearings, wire drawing pulleys and many other cylindrical part grinding or polishing applications.

Machinable range：

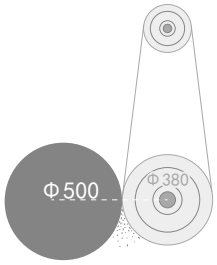
Contact grinding: 50mm<diameter <2000mm
Free grinding: 100mm<diameter <500mm
For both setup, the maximum machinable length depends on the traverse length of the lathe or grinder, the minimum length is equal to the belt width.



M3-100A(B) Structure schematic



Free grinding



Contact grinding

Advantage：

- The contact area, contact pressure and belt speed can all be adjusted for a consistent finish on the workpiece surface.
- Fixed grinding and free grinding modes can be selected by adjusting the angle of the support arm.
- The M3 is very powerful, designed for high efficiency processing of larger cylindrical parts.
- Belt tension and belt replacement are easily managed through a pneumatically controlled belt tension system.
- The belt speed and motor load are displayed on the control panel to monitor the process status of the TPG.

Specifications：

Model	Power（kW）	Size of belt(mm)		RPM	Feed speed of belt（m/s）	Voltage (V)	Electrical phase	Frequency (Hz)	Weight (kg)	Dimensions LxWxH（mm）
		Min	Max							
M3-100A(B)	7.5	2400x50	2480x100	0-2400	0-50	380	3	50/60	225	855x585x1140
M3R-100A(B)	7.5	2400x50	2480x100	0-2400	0-50	380	3	50/60	225	855x585x1140

Note：
1.Air pressure 90psi (6bar)
2.Recommended lathe specifications:Swing over carriage >440mm
3.The standard center height of this machine is 220mm（The distance from the mounting plate to the center of the contact wheel）
4.M3-100A(B) mounted on the same side as the operator M3R-100A(B)installed opposite the operator

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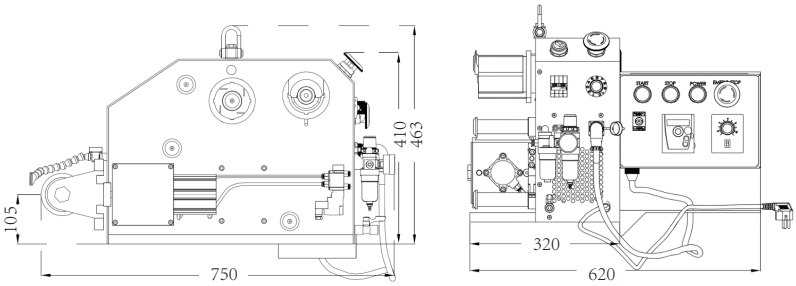
SUPERFINISHER M100

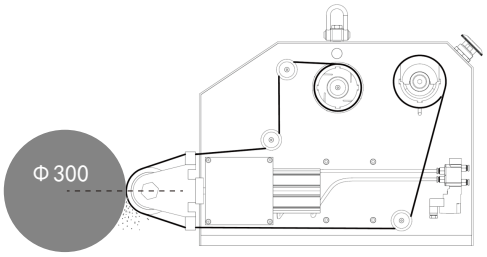
Appilcation：

This M100 superfinishing machine can be mounted to lathes, grinders or other suitable industrial equipment. The superfinishing machine uses abrasive belts for grinding, polishing and texturing many types of cylindrical parts requiring high levels of precision. Parts such as tungsten carbide rolls, stainless steel rolls, and other metallic or ceramic materials can easily be polished to a mirror finish.

The M100 Superfinisher is the ideal solution for achieving a stable and precision finish.



SUPERFINISHER M100 Structure schematic



Contact grinding

Advantage：

- With adjustable speed oscillating grinding, longitudinal wear marks can quickly be eliminated leaving a uniform finish.
- When equipped with a precision grinding belt, excellent flatness and high dimensional accuracy levels can be achieved, giving professional ultra high precision results.
- The superfinisher can be easily mounted and unmounted from lathes or grinding equipment, making it a very versatile addition to any workshop.
- High stability, low noise, low power consumption.

Specifications：

Model	Power (kW)	Voltage (V)	Width of belt (mm)	Feed speed of belt (mm/min)	Vibration frequency (Hz)	Contact pressure (N)	Air pressure (bar)	Noise (dB)	Weight (kg)	Center height (mm)	Dimensions LxWxH (mm)
SUPERFINISHER M100	0.8	220	101.6	0-30	0-1420	0-1180	0-6.2	<90	75	105	750x320x410

Note：
1. The M100 superfinisher consists of an electrical control box and the base machine. The components can be fixed together or mounted separately for convenience.
2. The M100 can work with many types of abrasive belts including films, diamond electroplated, or normal polishing belts
3. Recommended lathe model and specification: Swing over carriage >210mm

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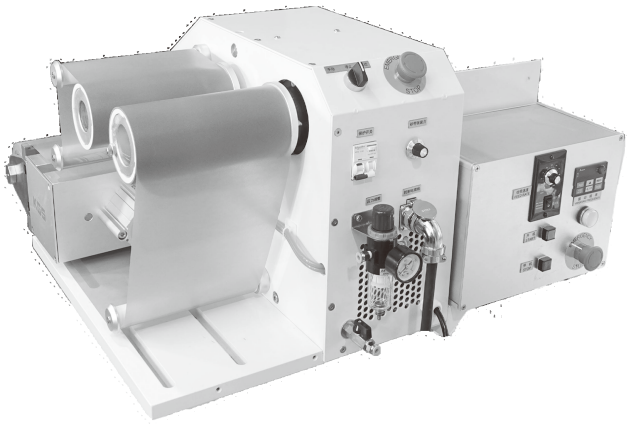
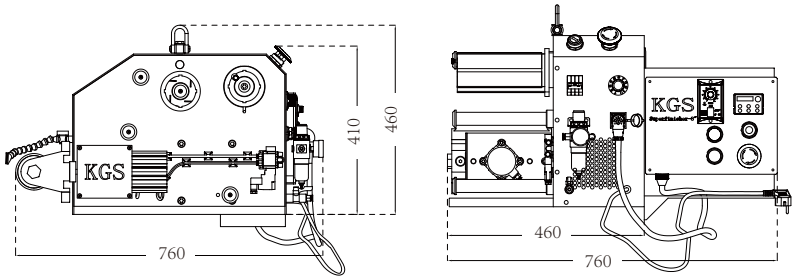


SUPERFINISHER M200

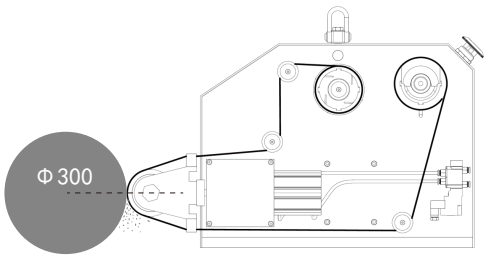
Appilcation：

This M200 superfinishing machine can be mounted to lathes, grinders or other suitable industrial equipment. The superfinishing machine uses abrasive belts for grinding, polishing and texturing many types of cylindrical parts requiring high levels of precision. Parts such as tungsten carbide rolls, stainless steel rolls, and other metallic or ceramic materials can easily be polished to a mirror finish.

The M200 Superfinisher is the ideal solution for achieving a stable and precision finish.



SUPERFINISHER M100 Structure schematic



Contact grinding

Advantage：

- With adjustable speed oscillating grinding, longitudinal wear marks can quickly be eliminated leaving a uniform finish.
- When equipped with a precision grinding belt, excellent flatness and high dimensional accuracy levels can be achieved, giving professional ultra high precision results.
- The M200 is very powerful, designed for high efficiency processing of larger cylindrical parts.
- The superfinisher can be easily mounted and unmounted from lathes or grinding equipment, making it a very versatile addition to any workshop.
- High stability, low noise, low power consumption.

Specifications：

Model	Power (kW)	Voltage (V)	Width of belt (mm)	Feed speed of belt (mm/min)	Vibration frequency (Hz)	Contact pressure (N)	Air pressure (bar)	Noise (dB)	Weight (kg)	Center height (mm)	Dimensions LxWxH (mm)
SUPERFINISHER M200	1.5	220	203	0-30	0-1420	0-1870	0-6.2	<90	98	105	760x460x410

Note：
1. The M200 superfinisher consists of an electrical control box and the base machine. The components can be fixed together or mounted separately for convenience.
2. The M200 can work with many types of abrasive belts including films, diamond electroplated, or normal polishing belts
3. Recommended lathe model and specification:Swing over carriage >210mm