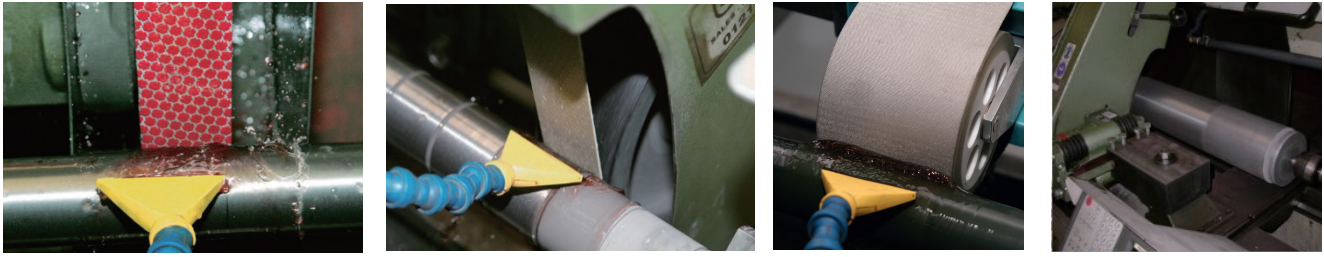




**KGS Precision Tool Post Grinder
Model M1-50A**

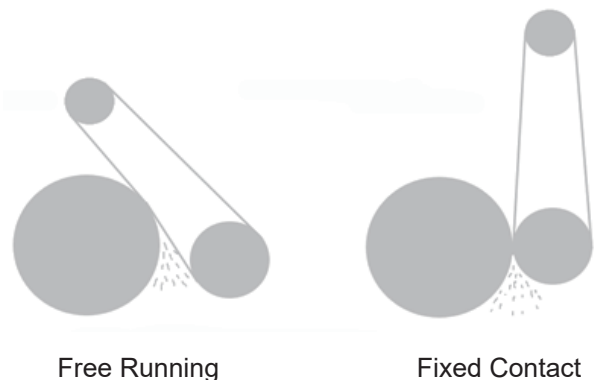
KGS DIAMOND BELTS SYSTEM GRIND AND POLISH HARD COATINGS FASTER!



- The KGS belt grinder can be mounted on the tool post of most lathes for roll grinding and polishing applications.
- KGS belt grinder is engineered to grind and polish hard rollers faster with diamond belts.
- The system of tool post grinder and diamond belts is named with KGS DIAMOND BELT SYSTEM, or KGS DBS in short.
- KGS DBS is developed by KGS precision team, mainly for the users who want to process rollers with hard coating, such as Tungsten Carbide, Chrome Carbide, TBC etc. These coatings are worn resisting, corrosion resisting, heat resisting, so are also challenging when they are needed to be calibrated and polished.
- KGS DBS is normally used by many major manufacturers of rolls for the textile and paper industries. as well as hard chrome platers and hydraulic piston manufacturers.

Why to choose KGS TPG for hard coatings:

- KGS belt grinder is designed with specifications to reach the maximum performance of diamond belts.
- With adjustable RPM to satisfy both grinding and polishing applications.
- Fixed and Free running contact methods can be easily setup by adjusting the position of base, and the angle of head.
- Fixed contact is to calibrate rollers and remove the material efficiently.
- Free running is to improve contact area between belts and rollers, so it improves the polishing efficiency over 50% than Fixed Contact.
- The KGS tool post grinder can be easily installed and uninstalled from lathe, so lathe can still be open for other jobs.



Application

KGS TPG M1, M2, M3 (Please consult your KGS engineer for best TPG model for you lathe) are installed on the middle pallet. Use abrasive belts to grind and polish the outer surface of working piece. It can greatly improve the grinding efficiency and quality. KGS TPG is widely used in industries such as steel, papermaking, hydraulics, printing machinery, and metal calendaring. Such as grinding and polishing rolls, bearings, hydraulic rods, wire drawing guide wheels, etc.

KGS DBS- TPG M1

Recommend for cylinders of diameter 50mm-300mm



Features and advantages

- KGS TPG M1 is suitable for polishing wide diameter range of cylinders.
- The polishing performance is consistent on roller surface, because of the adjustable contact area, contact pressure, and belt speed.
- Fixed contact and Free running model can be chosen by adjusting the angle of support arm.
- Pneumatic belt tension supports quick belts replacement.
- Belts speed and motor load are displayed on control panel, so user can monitor the TPG running condition.
- Stainless steel shield or galvanized shield with higher corrosion resistance and durability.

Technical specification

| Model | Power | Belt Size | | RPM | Speed | Voltage | Phase | Frequency | Weight | Dimensions |
|------------|-------|-----------|---------|------|---------|---------|-------|-----------|--------|--------------|
| | | Min | Max | | | | | | | |
| M1-50A(B) | 2.2KW | 1180x50 | 1220x50 | 1450 | 0-50m/s | 380 | 3 | 50Hz | 92kg | 570*470*725m |
| MR1-50A(B) | 2.2KW | 1180x50 | 1220x50 | 1450 | 0-50m/s | 380 | 3 | 50Hz | 92kg | 570*470*725m |

Note: M1-50A is installed on the lathe from the same side of operator
M1R-50A is installed on the lathe from the opposite side of operator



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