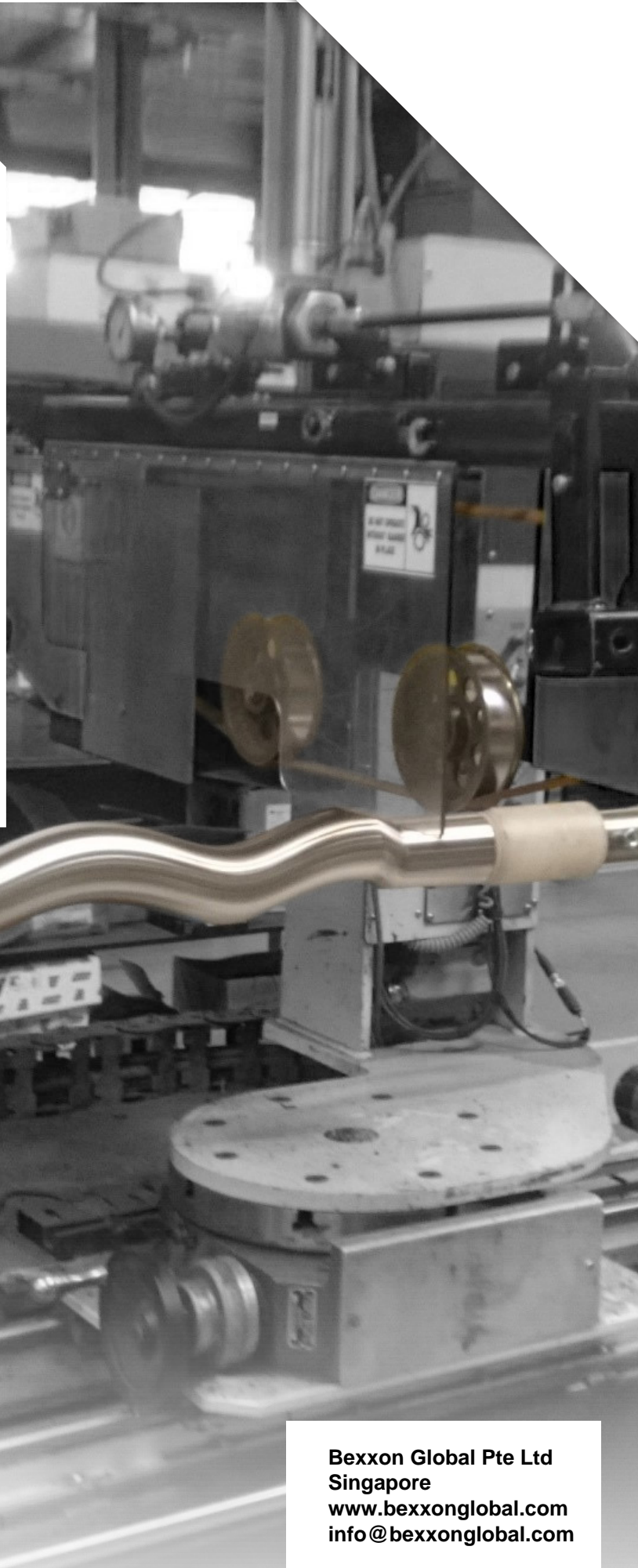


Multifunction Polishing Machine

Polish chrome plated or WC coated rods

Improve the overall roundness and reduce the friction coefficient

The multifunctional polishing machine is used to polish chrome plated or WC coated rods to achieve required Ra finishing. The required device can improve the overall roundness and reduce the friction coefficient through the whole polishing process, and through the size control, to achieve the coating and other related accuracy requirements.



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INTRODUCTION

The multifunctional polishing machine is used to polish chrome plated or WC coated rods to achieve required Ra finishing.

The required device can improve the overall roundness and reduce the friction coefficient through the whole polishing process, and through the size control, to achieve the coating and other related accuracy requirements. Mainly to polish the piston roller, spiral mud rotor. The polishing performance is controlled by the technology of abrasive belt, speed and feed. A better finishing will improve the wear resistance and sealing performance of the related equipment.

The product is mainly composed of:

- Base assembly
- Power assembly
- Polishing head assembly
- Medium Trailer Plate assembly
- Tailstock assembly
- Electrical assembly and other accessories

The overall equipment has the following advantages:

- Simple structure, user friendly and minimal maintenance cost
- Polishing directional tunability
- Adopt pneumatic tightening and high polishing efficiency
- Polished diameter range can be adjusted
- Mechanical limit, safe and reliable

THE PRINCIPLE OF WORK

The rotation of the workpiece is operated through spindle power and tailstock assembly. To adjust the feed rate of the abrasive belt at the base point and use different belt grits to finish the polishing of the workpiece with different surface treatments. At the same time, in order to maintain the polishing form of the helix, the power assembly is equipped with an electromagnetic clutch. When the spindle motor is not required to provide power, the disconnected electromagnetic clutch can be synchronized with the trailing plate in the form of a dial rod to achieve the polishing of the spiral workpiece. When feeding for different diameters and abrasive belts, it can be controlled by servo PLC. Safe and reliable automatic feed.

SAFETY CONTROL

In order to ensure the safety of the workpiece polishing process, there are two adjustable limit cards on each guide, which can be used to control the stroke switch, and the mechanical limit is added for further reliable control.

THE MAIN TECHNICAL PARAMETERS

Driving Power	Spindle	Moving Speed	Grinding Diameter	Grinding Length
3KW	85r/min	0.3-220mm	30-220mm	<=8m

PRODUCT OVERVIEW

Product	Pattern	Grit availability	Backer	Length	Width
KGS Flexis® diamond belt	Flexis® 23	BK-120	BPG	2300-2400mm	10, 15, 20, 25, 30, 50 and 100mm
	Flexis® 21	RD-200			
	Flexis® 18	YE-400			
KGS Swiflex® SDA diamond belt	Swiflex® SDA	GN-60 BK-120 RD-200		2300-2400mm	10, 15, 20, 25, 30 and 50mm

THE MACHINE

The paint color and exact looking could be different with the following photo.

