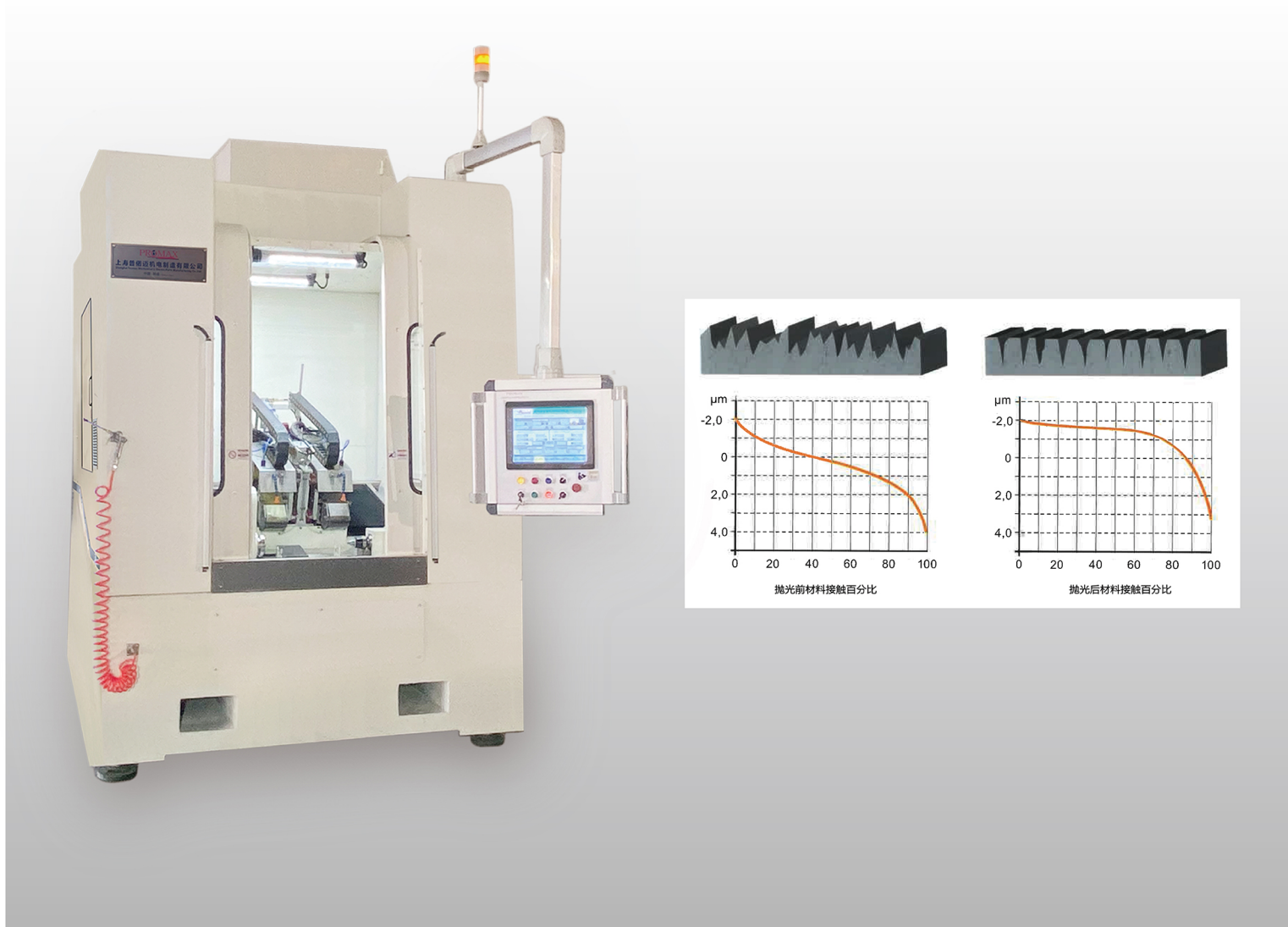


超级抛光机

Super Finishing Machine



设备介绍 Machine Overview

本机型采用纳米抛光技术，通过抛光带与零件表面的微幅、高频、柔性碰触去掉微表面高点，从而达到提高机械零件表粗糙度和有效结合面积的效果。该产品可广泛用于滑动摩擦表面微观表面耐磨性的改善，选用不同抛光材料可获得用户需要的Ra、Rz、Rk、Rpk等表面参数要求的表面质量。

This machine adopts nano-finishing technology to overcome the negative effects of regular finishing processes. By high-frequency oscillated abrasive belt short-stroking on the surface, it removes just the peaks of micro-surface layer. The surface roughness is substantially improved without changing the dimension at the micron level (0.001mm), improving the friction surface wear resistance. A variety of abrasive belts are available for different requirement of surface parameters, such as Ra, Rz, Rk, Rpk.

优点

- ❖ 工艺先进，由于纳米级的加工，只加工微表面的高点，不改变加工表面实体尺寸，因此在线性提高表面粗糙度的同时不改变零件微米级(0.001mm)的形位尺寸，克服了其他抛光工艺的负面作用。
- ❖ 设备制造技术成熟，严格执行制造工艺和精度，设备稳定可靠。
- ❖ 德国技术，高频振动部件欧洲制造，使用寿命长。
- ❖ 进口替代，价格极具优势。
- ❖ 模块化设计，操作简单，维修方便。

Highlights

- ❖ Advanced technology; because this is a nano-scale processing, only the high point of the micro-surface is processed without changing the while the surface roughness is linearly improved, overcoming the negative effects of other polishing processes.
- ❖ Mature manufacturing technology, strict implementation of manufacturing process and precision; stable and reliable performance.
- ❖ Germany technology, high-frequency vibration components manufactured in Europe; Long service life.
- ❖ Quality replaceable for imported equipment, with competitive price.
- ❖ Modular design, simple operation, easy maintenance.

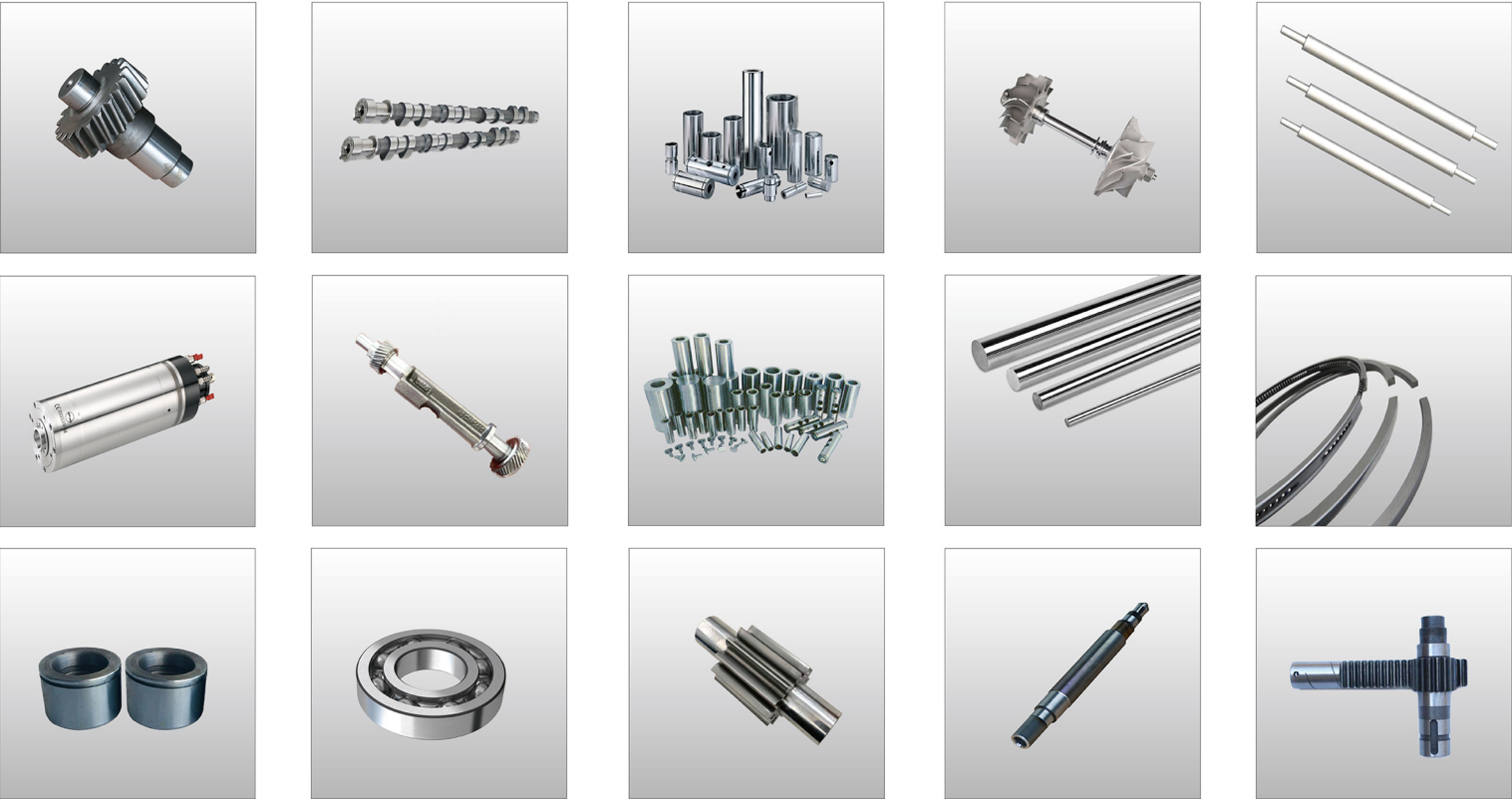
技术参数

Technical Specifications

指标 Index		参数 Parameter
超级抛光动力头数量	Number of super polishing power head	1套或2套 / 1 set or 2 set
抛光带宽度	Width of polishing belt	10 / 20 / 100 mm
抛光头振动频次	Vibration frequency of polishing head	100-200次/分钟 / 100-2000 times/min
抛光头振动幅度	Vibration frequency of polishing head	5 mm
抛光头进给速度	Feeding speed of polishing belt	1- 20 mm/min
适合工件形状和尺寸	Applicable size and shape of workpiece	可定制 / customizable
加工面形状	The shape of shape of surface	圆柱面或平面 /cylindrical surface or plane
台阶处抛光盲点宽度	Polishing blind spot width at steps	< 1.5mm
工件最大重量	Max weight of workpiece	5 kg
设备工作环境	Working temperature	0°C~55°C
供电电源电压	Power super voltage	380±10% V
供电电源频率	Power super frequency	50 Hz

适用加工零件

Applications



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