

MKS1332A

数控外圆磨床

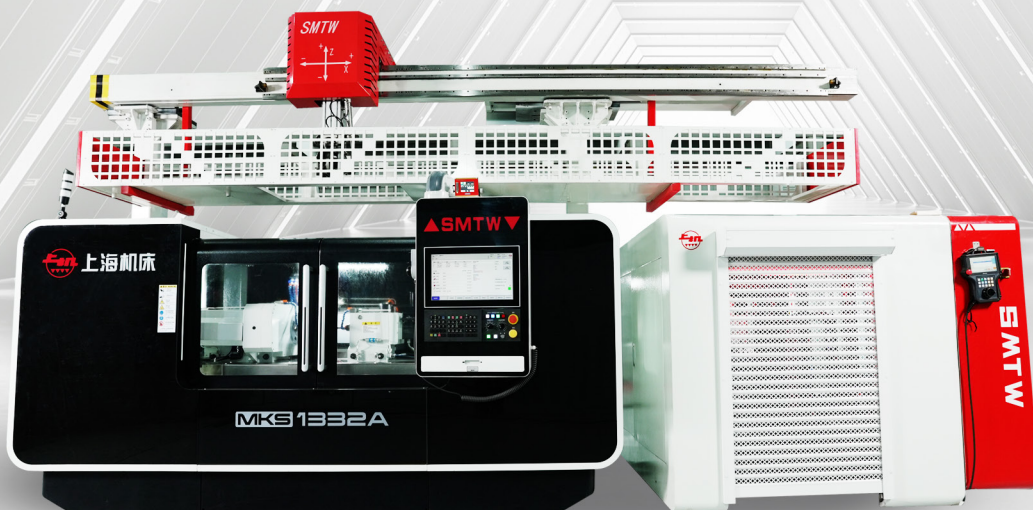
CNC CYLINDRICAL GRINDER

用途与特征

MKS1332A数控外圆磨床（执行《高精度外圆磨床精度检验》标准）适用于大批量加工轴类件的外圆的设备。采用FANUC Oi-TF(PLUS)数控系统和PC屏，配有3个伺服电机，分别控制头架旋转、砂轮架进给和工作台移动，更好的应对柔性制造、联动磨削等扩展需求。可配置电主轴CBN砂轮，修整滚轮、内圆磨具等。本机床配备的PC屏搭载自主开发磨削之星软件具有：图形编程功能，人机交互界面简洁。还可安装上机自主研发的“设备联网智能网关”采集机床数据，通过4G信号传输到上机SOMS平台，可为有需求的客户提供技术咨询、机床状态在线监控、机床远程运维等服务。

Application and Features

MKS1332A CNC cylindrical grinder (executing the standard of "High Precision Cylindrical Grinding Machine Accuracy Inspection") is suitable for large-batch machining of cylindrical surfaces of shaft-type parts. It adopts FANUC Oi-TF(PLUS) CNC system and PC screen, and is equipped with 3 servo motors to control headstock rotation, wheelhead feed and table movement respectively to better respond to extended needs such as flexible manufacturing and linkage grinding. It can be equipped with electric spindle CBN grinding wheels, dressing rollers, internal grinding tools, etc. The machine is equipped with a PC screen which contains self-developed Grinding Star software with: graphic programming function and simple human-machine interaction interface. The machine can also be equipped with the "Equipment Network Intelligent Gateway" developed by SOMS to collect machine data and transmit it to SOMS platform via 4G signal, which can provide technical consultation, online monitoring of machine status and remote operation and maintenance services for customers in need.



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规格及主要技术参数 | SPECIFICATIONS AND MAIN TECHNICAL PARAMETERS

磨削直径	Grinding diameter	φ0-320 mm
最大顶尖长度	Max. distance between centers	500 mm
最大工件重量	Max. workpiece weight	80 kg
砂轮规格	Wheel size	φ600×90(120)×φ305 mm
砂轮电机功率	Wheel motor power	11(15) KW
砂轮线速度	Wheel peripheral speed	45 m/s (60 m/s、90 m/s)
X轴、Z轴最小可编程增量	Min. programmable increment for X-axis and Z-axis	0.001 mm

工作精度 | WORKING ACCURACY

圆度	Roundness	0.001 mm
纵截面直径一致性	Longitudinal conformity	0.002 mm
外圆粗糙度	Cylindrical surface roughness	Ra0.2 μm
圆弧粗糙度	Radius surface roughness	Ra0.32 μm
端面粗糙度	End-face surface roughness	Ra0.32 μm

机床附件及选购件 | ACCESSORIES AND OPTIONS

自动测量仪	Automatic measuring device
砂轮动平衡仪	Wheel dynamic balance device
砂轮电主轴	Wheel electrical spindle

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Considering continuous development of technology, above information is for reference only.