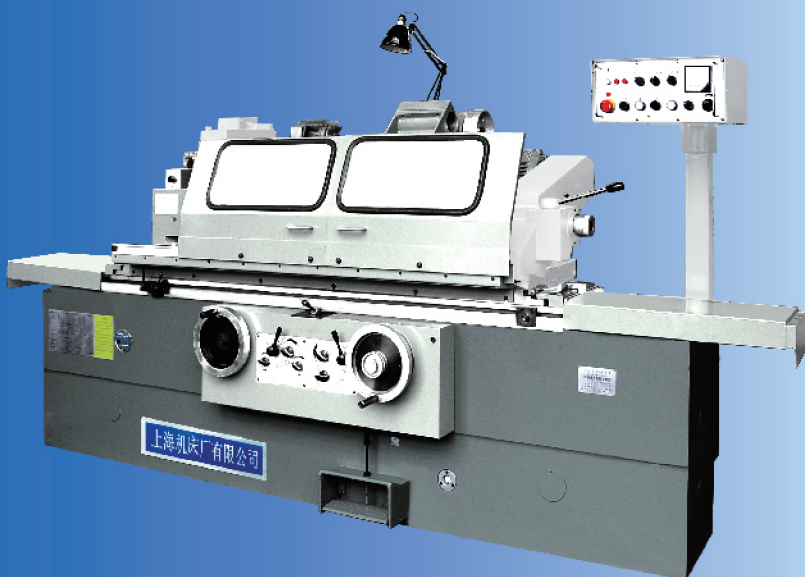


MGA1432A

高精度万能外圆磨床 High-precision Universal Cylindrical Grinder

用途与特征

- MGA1432A型高精度万能外圆磨床，用以加工对精度与粗糙度有很高要求的轴类、套类、箱材轧辊、环规、塞规等类工件，适宜对上述精密零件进行单件或小批加工。
- 机床砂轮架轴承采用动静压轴承，其精度高、刚性好。头架在转速范围内可作无级调速，尾架采用密集滚珠形式其刚性好。机床配有磨削指示仪，便于对工件进行高精度磨削。
- 该机床按磨削长度分有 $\Phi 320 \times 500$ 、1000、1500、2000、3000mm五种规格，用户可按实际需要选用。



Main Application and Features

- MGA1432A high-precision universal cylindrical grinder is used for grinding shafts, sleeves, foil-rollers, ring-gauges and plug-gauges requiring high-precision and surface finish, suitable for grinding in single piece or small batch production.
- Hydro-dynamic-static hybrid bearings are employed in the wheelhead structure, with high accuracy and rigidity. The headstock rotating speed is infinitely variable within the specified range. Dense-ball bearing is adopted for tailstock, with high rigidity. The machine is equipped with grinding indicating instrument, for the convenience of high-accuracy grinding.
- The machine has five specifications which are $\Phi 320 \times 500$ 、1000、1500、2000、3000mm, in accordance with users' requirements.

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High-precision Universal Cylindrical Grinder

规格及主要技术参数

Main Specifications

	φ 320 × 500	φ 320 × 1000	φ 320 × 1500	φ 320 × 2000	φ 320 × 3000
可磨直径 (外圆、内圆) Grinding dia.(external/internal)(mm)	8-320/16-125	8-320/16-125	8-320/16-125	8-320/16-125	8-320/16-125
可磨长度 (外圆、内圆) Grinding length(external/internal)(mm)	500/125	1000/125	1500/125	2000/125	3000/125
可磨工件最大重量 Max.weight of workpiece (kg)	150	150	150	150	150
尾架顶尖移动量 Tailstock center displacement (mm)	30	30	30	30	30
头架主轴转速 (无级) Headstock spindle rotating-speed (stepless)(r/min)	20-200	20-200	20-200	20-200	20-200
砂轮尺寸 (外径 × 宽 × 内径) Wheel size(O.D. × W × I.D.) (mm)	φ 400 × 50 × φ 203	φ 400 × 50 × φ 203	φ 400 × 50 × φ 203	φ 400 × 50 × φ 203	φ 400 × 50 × φ 203
砂轮线速度 Wheel peripheral velocity (m/s)	35/17.5	35/17.5	35/17.5	35/17.5	35/17.5
砂轮架最大移动量 Max.wheelhead displacement (mm)	241	241	241	241	241
砂轮架快速进退量 Wheelhead rapid approach and withdrawal (mm)	25	25	25	25	25
手轮一转砂轮移动量 Wheelhead displacement per rev. of handwheel (mm)	1	1	1	1	1
工作台最大纵向移动量 Max. longitudinal travel of table (mm)	500	1000	1500	2000	3000
工作台液压移动速度 Table hydraulic travel speed (m/min)	0.02-4	0.02-4	0.02-4	0.02-2.5	0.02-2.5
内圆磨具转速 Internal grinding wheel speed (r/min)	10000,15000	10000,15000	10000,15000	10000,15000	10000,15000
电机总功率 Total motor power (kW)	6.7	6.7	6.7	6.7	6.7
机床重量 Machine weight (kg)	3350	3650	4100	5900	8000
机床外形尺寸 (长 × 宽 × 高) Overall dimensions (L × W × H) (mm)	2500x1620x1500	3400x1620x1500	4400x1620x1500	6760x1620x1500	9180x1620x1500

工作精度

Working Accuracy

圆度 (外圆、内圆) Roundness (external/internal)	0.0005mm/0.002mm
纵截面内直径一致性 Uniformity of diameter in longitudinal section	0.004mm
表面粗糙度 (外圆、内圆) Surface roughness (external/internal)	Ra0.01 μm/Ra0.04 μm

主要附件

Main Accessories

电箱 Electric cabinet	1套set
冷却液箱 Coolant tank	1套set
砂轮外圆修整器 Wheel peripheral dresser	1套set
开式中心架 Open-type steady-rest	≤1500 1套set >1500 2套sets
测量桥板 Measuring bridge-plate	1套set
机床垫铁 Leveling wedge	1套set
磨削指示仪 Grindind indicator	1套set

特殊附件

Special Accessories

闭式中心架 Close-type steady-rest	1套set
砂轮平衡架 Wheel balancing stand	1套set
圆弧修整器 Radius dresser	1套set
端面修整器 End face dresser	1套set

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由于技术不断发展, 本样本仅供参考 具体参数与配置以签订的合同为准 2022年9月
Considering continuous development of technology, above information is for reference only.