

Cold Rolling Machine 冷碾机

Main function 主要用途

Cold rolling is a processing method for extruding, stretching, and plastic forming ring parts at room temperature. It has the characteristics of refining blanks quality, reducing cutting, optimizing the structure, improving bearing life, and etc.

冷辗工艺是在常温下，将环形零件挤压、拉伸、塑性成形的一种加工方法。它具有精化毛坯质量，少无切削，优化组织结构，提高轴承寿命等特点。

Main features 主要特点

This machine adopts the double working positions of rolling and sizing, and organically combines the control system, the hydraulic system and the mechanical structure through symmetrical structure, reliable shafting, suitable hydraulic proportional loading mode, fast and reliable magneto-electric detection system and stable electric control system. The machine layout is right feeding and left discharging.

机床采用了辗压和整形双工位设置，以对称型结构、可靠的轴系、适用的液压比例加载方式、快速可靠的磁电检测系统和稳定的电控系统，将控制系统、液压系统和机械结构有机地组合在一起。机床采用右进料、左出料的布局方式。

The mechanical structure of the machine is of high-rigidity design, and the symmetrically arranged shafting support is the basic guarantee.

The application of active measurement technology makes the machining process under full tracking and control. Besides, the rounding

device makes the geometry of the work piece in the rolling process good.

机床机械结构采用高刚度设计，对称布置的轴系支承是其基本保证，主动测量技术的应用使得加工过程处于全程跟踪和控制中，整圆装置使工件在辗压过程的几何形状良好。

<div>Rolling pressure (KN)</div> <div>轧制压力 (KN)</div>	80	120	200	240
<div>Maximum outer diameter (mm)</div> <div>最大外径 (mm)</div>	72	100	120	160
<div>Minimum inner diameter (mm)</div> <div>最小内径 (mm)</div>	20	25	60	100
<div>Maximum width (mm)</div> <div>最大宽度 (mm)</div>	25	40	45	60

Spindle speed (rpm) 主轴转速 (rpm)	100	160	160	140
Feeding speed (mm/s) 进给速度 (mm/s)	0-100	0-30	0-30	0-6
Main motor power (KW) 主电机功率 (KW)	5.5	7.5	15	22
Hydraulic motor power (KW) 液压电机功率 (KW)	3	4/5.5	4/7.5	4/7.5
Cooling oil motor power 冷却油电机功率	250	250	250	250

Lubricating volume (L) 润滑容量 (L)	2	2	2	2
Hydraulic oil volume (L) 液压油箱容积 (L)	160	250	250	250
Rolling oil volume (L) 轧制油容量 (L)	100	120	120	120
Height (mm) 高度 (mm)	1500	1950	1800	2000
Weight (kg) 重量 (kg)	2600	4000	5000	5500