

M1420x500 Grinding Machine CNC Metal Parts Processing

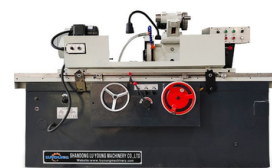
Our Product Introduction

for more products please visit us on luyoungcncmachines.com

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: M1420
- Minimum Order Quantity: 1
- Price: USD10000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets

外圆磨床M1420
CYLINDRICAL GRINDING MACHINE



Product Specification

- Max.Dia Ground Range(OD): $\Phi 8-200$
- Max.Internal Dia Ground Range: $\Phi 13-80$
- Min.length Ground: 500mm
- Max.length Internal Grinding: 125mm
- Center Height: 125mm
- Highlight: CNC Metal Parts Processing Machine,
CNC Metal Parts Grinding Machine, M1420x500

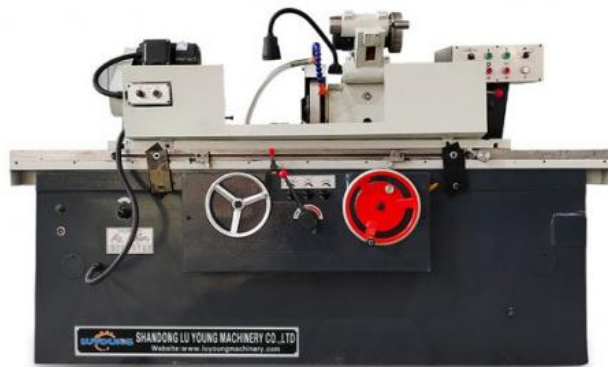
Product Description

Specifications:

SPECIFICATIONS		Units	M1420x500
Capacity	Max.Dia ground range(OD)	mm	Φ8-200
	Max.Internal Dia ground range	mm	Φ13-80
	Min.length ground	mm	500
	Max.length internal grinding	mm	125
	Max.load weight between centers	kg	50
	Max workpiece swing diameter	mm	200
	Max.workpiece weight chuck	kg	15
	Center Height	mm	125
	Distance between two centers	mm	500
Worktable	Swivel angle (CW)	°	9/8/7/9/8/7
	Swivel angle (CCW)		9/8/3/9/8/3
	Infinitely variable hydraulic speed control	m/min	0.1~3
	Handwheel /revolution	mm	≈10
Workhead	Work head swiveling angle	°	CCW90
	Spindle taper		Morse No.4
	Speed range	rpm	63,125,250,500/30 300
Tailstock	Center travel/Manual	mm	≥23
	Center travel/Hydraulic	mm	≥15
Internal grinding tool	Internal grinding spindle speed	r/min	9245.12250.14848.19600
Motor	Compulsory lubrication motor		1.1 1500r/min
	Coolant motor	Kw	0.125 3000r/min
	Grinding wheel motor		3/4 1500r/min
	Wotkhead motor		0.75 1000r/min
Wheel head	Grinding wheel size (D x W x B)	mm	300*35*127
	Revolution angle	°	CW10 CCW5
	Spindle speed	rpm	1316
	Fast travel speed	r/min	≥30
	Lateral manual stroke	mm	≈70
	Handwheel feed/revolution	mm	1
	Min feed	mm	0.002
	Wheelhead total feed travel	mm	150
General Specification	Machine size	mm	1800*1415*1420
	Machine weight	kg	2100

外圆磨床M1420

CYLINDRICAL GRINDING MACHINE



Machine Category and Positioning

The M1420 is a universal external cylindrical grinding machine. The machine category code "M" stands for grinding machine, "1" represents the external cylindrical grinder group, "4" indicates the universal external cylindrical grinder type, and "20" denotes a maximum grinding diameter of 200 mm.

Structure and Design

The machine features a compact structure with a rigid bed design. It adopts a box-type bed to enhance rigidity, ensuring stability and precision during the grinding process. The wheelhead uses a sleeve-type static bearing design and is equipped with an independent oil tank and separate lubrication system, which improve grinding accuracy and extend equipment service life.

Grinding Capability

Suitable for grinding internal and external cylindrical and conical surfaces of shaft-type parts. It meets the needs of single-piece, small-batch, and mass production in the mechanical manufacturing industry.

Drive and Control


Equipped with hydraulic drive and electrical control systems, the machine is easy to operate and offers high grinding efficiency. The workpiece, grinding wheel, oil pump, and cooling pump are each driven by independent motors, ensuring system stability and ease of maintenance.

Application Range


Ideal for machining cylindrical and conical external surfaces, widely used for precision grinding in industries such as machinery manufacturing, automotive, and bearings.


If you need a more formal or technical style, please let me know!

Manual Grinding: Longitudinal Grinding, Plunge Grinding.

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