



FCK46DY High Accuracy Flat Bed Lathe Machine Hydraulic Chuck With Chip Conveyor

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Luyoung
- Certification: CE
- Model Number: FCK46DY
- Minimum Order Quantity: 1
- Price: USD12000-USD40000
- Packaging Details: non-fumigation wooden box
- Delivery Time: 45 working days
- Payment Terms: L/C, T/T
- Supply Ability: 100sets



Product Specification

- Chuck: 6 Inch Hydraulic Chuck
- Bed: 45 Degree Inclined Bed
- Spindle Tape: A2-6
- Spindle Bore: 66mm
- Turret: 12 Station Driven Turret
- Highlight: **Chip Conveyor Flat Bed Lathe Machine, Hydraulic Chuck Flat Bed Lathe Machine, High Accuracy Flat Bed Lathe Machine**

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Product Description

FCK46DY slant bed machine high accuracy hydraulic chuck



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Model	TCK40	TCK46DY
Max. swing diameter over bed(mm)	Φ450	Φ550
Max. cutting diameter(mm)	Φ120	Φ440
Max.cutting length(mm)	335	Φ450
X axis travel(mm)	900	250
Z axis travel(mm)	335	500
X/Z axis movement speed(mm/min)	24000	24000
Handwheel(mm)	0.001/0.01/0.1	0.001/0.01/0.1
X,Z axis feed speed(mm/min)	0~5000	0~5000
X,Z axis manual feed speed(mm/min)	0~1260	0~1260
X/Z axis repositioning accuracy(mm)	0.005/0.006	0.005/0.006
X/Z axis positional accuracy(mm)	0.01/0.015	0.01/0.015
Max spindle speed (rpm)	4,500	3500
Max. spindle torque (N.m)	35	48
Spindle taper	A2-5(optional A2-6)	A2-6
Spindle bore (mm)	Φ52	Φ66
Bar through-hole(mm)	Φ40	Φ50
hydraulic chuck	6" (Optional8")	10" (Optional2")
Turret type	Gang type tool holder	Hydraulic turret
Number of tool holder	/	12
Tool change times(s)	/	0.25
Tool mounting dimension(mm)	20×20	25×25

Boring tool holder mounting diameter(mm)	Φ25	Φ32
Tailstock travel (mm)	/	480
Center taper	/	MT-5#
Main motor power(kW)	5.5	7.5
Main motor torque (N.m)	35	48
X/Z axis feed motor Power (kw)	1.5	2.3
X/Z axis feed motor torque (N.m)	6	15
Coolant capacity (L)	200	200
Motor type (1HP) (kw)	0.125	0.18
L×W×H(mm)	2100*1450*1850	2697*1795*1860
Machine weight (kg)	1600	3600

The FCK46 is a numerically controlled lathe with a slanted bed frame. The frame is angled at 45° to allow operators to easily reach parts and ensure that chips fall away freely. The machine's full enclosure keeps chips and coolant contained, and its automatic lubrication system provides properly metered lubrication to the rails and ball screws.

Rigidity and Stability: The bed is constructed of high-strength cast iron and resin sand casting, providing sufficient rigidity, strength, and stability for machining. The cross-sectional area of a slanted bed is larger than that of a flat bed of the same size, giving it greater resistance to bending and torsion.

More tool positions: With the same guide rail width, the X-axis slide of the inclined bed is longer than that of the flat bed, allowing for more tool positions.

Better chip removal: Slanted beds facilitate the removal of chips.

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