CNC Lathe Machine
CLM46
Made in China
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Reference picture
CLM46

DESCRIPTION:
CNC lathe machine should be controlled by micro-computer and driven by servo motors;
Should be suitable for turning cylindrical and taper faces, boring, grooving and cutting threads;
Should adopt ISO international code with keyboard manual data input;
Shopopularuld be provided with program of power cut-off protection;
Should have automatic functions of diagnosis and USB/RS-232 interfacing;
Should have minimum 4 station tool post;
Tool post should be located on precision contrate gears with a high repeated position accuracy;
Infinitely variable speed change for spindle;
Controller Features and Parameters:
Should be provided with compatible FANUC controller for high reliability and performance;
LCD display should be integrated with CNC controller;
100Mbps Ethernet should be embedded with CNC controller for network facility;
Highly reliable hardware to allow stable operation in a harsh factory environment;
CNC and the amplifiers should be connected with Serial Servo Bus using optical fiber cable;
High performance and reduced wiring to be realized by optimizing communication protocol and ECC technology with the high speed & high level noise tolerance by the optical fiber cable;
By applying the ECC (Error correcting code), it should automatically correct error from electrical noise inside of the CNC;
High speed and high precision servo control: By combining hardware technology and software

technology such as latest servo control HRV+, high speed and high precision control with nano meter level should be ensured
High quality cutting surface by optimum compensation to machining point (Smart backlash compensation)
Spindle HRV Control for fast response and high precision of spindle operation
Powerful program editing functions and integrated operating screen
High speed, large capacity and multipath PMC which consists of a dedicated processor and custom LSI
NC programs can be stored in the controller;
Memory operation and program editing facility in the controller;
CNC controller should support G-code, M-code and ISO code;
CNC controller should support various machining cycles;
CNC controller should support English and other languages;
Technical Parameters:
Swing over bed: Minimum Φ410mm (16")
Swing over slide: Φ150mm
Cutting dia for disc parts: 350mm
Cross travel (X): 235mm
Longitudinal travel (Z): Minimum 950mm
Length of work piece: Minimum 1000mm
Rapid feed for axis (X): 7 ~ 8m/min
Rapid feed for axis (Z): 9 ~ 10m/min
Range of spindle speed: 200 ~ 2800r/min (step less)
Spindle bore: Φ 45 ~ 55; Spindle nose: C1-6
Taper bore of spindle: MT6; 3-jaw chuck: Φ 200 ~ 250
Tool post: 4-way
Servo motor power (X/Z): 0.75 / 1.0kW
Size of tool shank: Minimum 20×20mm
Minimum input: 0.001mm
Repeatability of X/Z: 0.0075 / 0.01mm
Main motor power: 3.5 ~ 4.0kW
Power source: 380~400V AC, 50Hz, 3 Phase

ACCESSORIES:
Cutting tools for Turning, Facing, Threading, Slotting; required lubricants for oiling, cutting oil for coolant and instruction manual should be supplied. Electric 4 position, 3-jaw chuck,4-jaw chuck, steady &follow rest, Lubrication system