

LOGIC 350 UNIVERSAL FLATBED CNC LATHES



VS version as in this picture is high performance Servo Spindle Motor headstock with S and C axis with live and dead tool turret for turning and milling

LOGIC SERIES FLAT BED CNC LATHES - YOUR BEST OPTION

- Enhanced rigidity and robustness
- All stress relieved MEEHANITE certified casings.
- Oversized carriage hardened and super precision ground ways
- Constant hardness guide ways for permanent precision
- High precision preloaded ball screws
- High precision and high load capacity spindle
- 8 station bidirectional tool turret supplied standard
- VDI 50 tool size
- Automatic hydraulic chuck CNC commanded supplied standard
- All around Machine enclosure and guards w/ safety locks
- FAGOR 8037 CNC Graphic display color LCD MMI
- Tech-in program
- Conversational programming package
- Energy Saving electric motors
- NR12 safety system. Second to none



MAIN DESIGN AND CONSTRUCTION FEATURES

- ◆ All structural parts are finite element analysis design in high tensile strength cast DIN: GG25 and GG30 iron thermally stress relieved with thick walls and strong ribs structure.
- ◆ Hardened over 45HRC on all its length to avoid accumulated wear spots on all its length to avoid accumulated wear spots t, and ground slide ways with anti-friction Turcite-B lining on mating surfaces for superb dynamic performance with dampening properties
- ◆ X and Z feed axis on high precision ground ball screws , preload zero backlash nuts and high torque servomotors for extreme accurate dynamic response
- ◆ Headstock with AC spindle motor with drive for variable speeds with wider ranges in 2 steps, or AC Servo Spindle digital driver perfect rotation synchronization for high precision threading and rigid tapping and C axis configuration
- ◆ Large spindle bore with good bar capacity for operation with bar loaders.
- ◆ Manual positioning heavy capacity tailstock with manual advance and retract quill , optionally it can be automatic commanded by CNC and foot pedal
- ◆ Standard Complete Enclosed machine guards to maintain a clean work environment w/ interlocked doors
- ◆ FAGOR 8037 CNC Graphic display color LCD MMI .
- ◆ Tech-in programming package , conversational programming
- ◆ Single path control for X and Z axis linear and circular interpolation, Fast rapid traverse rates,
- ◆ I.D.,O.D., taper, circular, end-face, slot, chamfer cutting,
- ◆ Metric & inch threads cutting and real rigid tapping
- ◆ Eight station bidirectional tool turret with slotted disc with one set of tool holder fully commanded and controlled by the CNC
- ◆ Standard automatic three self-centering jaws chuck
- ◆ Open/close command by CNC and foot pedal and mounting flange
- ◆ Automatic slide way and ballscrew lubrication system
- ◆ Ergonomic design with rotary sliding control panel for optimum convenience and efficiency fast, easy to use, operator friendly
- ◆ Electric system IP54 protection safety interlocking , all high efficiency electric motors
- ◆ Electric cabinet automatic temperature control
- ◆ Complete machine safety system interlocking guards and CNC supervision

THESE MACHINES ARE MANUFACTURED ACCORDING

ISO230-1/2; VDI-DGC-3441;

ISO13041; ISO2372 ;

NBR15; DIN66025;

NBR10; NBR12

MACHINE MAIN SPECIFICATIONS

Machine Model	LOGIC 350			
Capacities		METRIC		SAE
Max Turing over the bed	700	mm	27,6	inch
Between centers Machine size A	1050	mm	41,3	inch
Between centers Machine size B	2050	mm	80,7	inch
Between centers Machine size C	3050	mm	120,1	inch
Turning length with tool turret Machine size A	920	mm	36,2	inch
Turning length with tool turret Machine size B	1920	mm	75,6	inch
Turning length with tool turret Machine size C	2920	mm	115,0	inch
Max Turing cross slide	420	mm	16,5	inch
Cross slide travel	430	mm	16,9	inch
Tool square cross section	32	mm	1,3	inch
Bed				
Bed width	400	mm	15,7	inch
Bed height	385	mm	15,2	inch
Headstock				
Spindle nose			A 2-11 ASA	
Spindle shaft passage diameter	120	mm	4,7	inch
Nose taper			01:20	
Nose taper sleeve			MT5	
Continuous Variable Speed			7 - 1800 rpm	
Feeds				
Z axis Longitudinal rapid feed	10000	mm/min	394	ipm
X axis cross rapid feed	10000	mm/min	394	ipm
Tailstock				
Quill diameter	90	mm	3,5	inch
Quill stroke	165	mm	6,5	inch
Quill taper			MT5	
Motors				
Headstock Motor	18,6	kw	25	hp
Coolant Pump motor	0,24	kw	0,3	hp
Machine Sizes and Weight				
Machine width	2000	mm	78,7	inch
Machine Length (1000 mm)	3500	mm	137,8	inch
Approx. weight	3500	kg	7700	lbs

Above specifications are subject to be modified without prior notice

OPTIONAL FEATURES & ACCESSORIES

- ◆ Hydraulic self-centering chucks , collet chucks and drive plates .
- ◆ Tailstock with hydraulic automatic quill advance and retraction.
- ◆ Bar feeders options fully machine turnkey integrated
- ◆ Optional FANUC 0i-TF plus w/ Manual Guide i Options of Conversational programming.
- ◆ Steady rest, and Follow up rests
- ◆ Rotating center on the tailstock
- ◆ AC Servo motor for the spindle with digital driver.
- ◆ Angular feed axis (C axis) configured on the headstock with AC Servo spindle motor
- ◆ Live and Dead tool turret for turning and milling operations and turret with Y feed axis (vertical) for turning and 3D milling operations



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