

Excellent

Passing the standard of the 21st century
New style of ultra compact CNC lathe



- **Basic construction with high reliability**
Spindle headstock with rigidity and accuracy.
Supported by high precision angular contact bearings at front and rear
- **High speed , high precision linear turret**
Needless turret revolution, bringing short idling time and exact positioning
High speed and high precision turnin. Eguro's traditional technic, making much of linear turret
Essential tooling system for finish turning.
- **Specific slide**
X axis ball screw in oil bath, for stability of dimensions in turning. X axis stroke 200mm, biggest in the lathes of this size.Tooling with enough space.
- **Superiority in operation**
Dynamic styling featuring in curve. Spindle located close to the operator.Chips to fall down straight to the tank. All based on the concept for upgraded operation.
- **Power saving function**
Automatic power shut off for the motor in lapse of planned time with no operation.
Power saving function controlling electric consumption
- **Compact design**
Ultra compact machine of floor space 1.1m2(square meter) only.
Advancing NC factory with high space efficiency

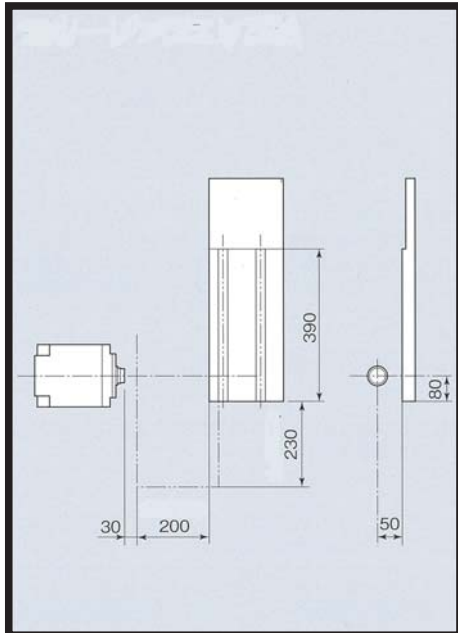
Machine specifications

Item		NUCBOY-8EX		
Capacity	Max. work to be turned	mm	φ50x50	
	Swing over cross slide		100	
	Swing over tool plate		50	
	Chuck size		#4	
Collet	Max. dia.	mm	20	
Spindle	Command		S4 digit	
	Speed	m i n ⁻¹	500~4,000	
Slide	Type of tooling		Linear turret	
	Tool size	mm	□13, φ20	
	Travel	X axis	mm	230
		Z axis		200
	Rapid traverse	X axis	m/m i n	15
		Z axis		15
Control system			Semiclosed loop	
Motor	Spindle	kw	1.5 Inverter	
	Coolant pump		0.06	
	Lubrication pump		0.03	
Power	Electricity	k V A	6.2 (3.6kw)	
	Air	Mpa	0.4	
Machine height		mm	1450	
Center height		mm	986	
Floor space (L x W)		mm	1,000x 1,100	
Machine weight		k g	680	
CNC control unit			FANUC System Oi-TD	

Standard accessories

- Splash guard · Cutting tool coolant · Automatic lubricator
- Work light · Collet blank · Spindle nose cover · Tool holder
- Tool holder plate · Door interlock · Hex key spanner
- Double ended spanner · Driver · Tool box · Machine base
- Chip tank · Compact flash card 128MB

Tooling area



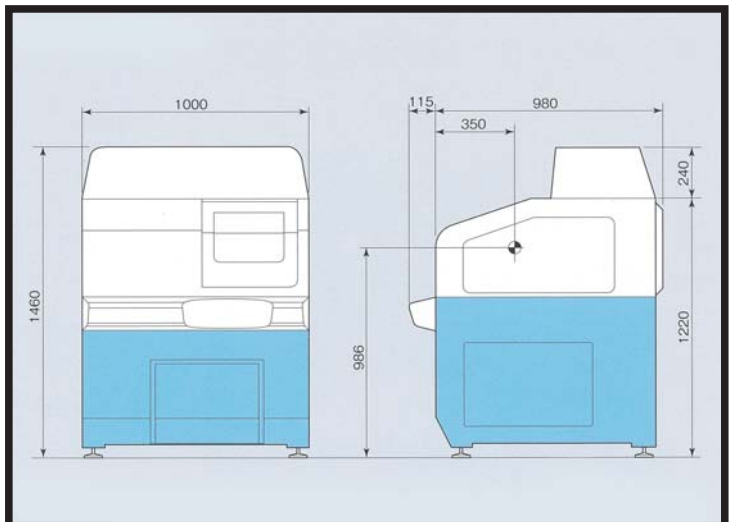
Numerical control unit

Item	NUCBOY-8EX
Control unit	FANUC S. Oi-TD
Axes controlled	2 (X, Z) Simultaneous 2 axes
Interpolation	Linear, Taper, Thread, Circular
Program input	MDI, Tape (Tapereader : Option)
Command	Incremental, Absolute
Tape code	EIA/ISO (Tapereader : Option)
Least input increment	X:0.001 (dia) Z:0.001
Least command increment	X:0.0005 Z:0.001
Max programmable dimensions	±99999.999mm
Feed radte	0.001~40,000mm/rev.(1~5,000mm/min.)
Thread cutting	0.0001~40,000mm
Tool offset memory (64 pairs)	±999,999mm
Dwell	0~99999.999 sec.
Backlash compensation	0~0.255mm
Manual handle feed rate	0.1/0.01/0.001mm
Tape memory	1280m
Auxiliary function	M2 digit , S 4 digit, T2 digit
Canned cycle	O.D.(G90) Thread (G92) Face (G94)
Reference point return	Manual, Auto. (G27, G28)
Display	8.4 inch liquid crystal
Others	Chamfer and Corner R, Geometry offset Work time and work piece display, Constant surface speed control Program number search, Sequence number search Circular interpolation specifying arc R, Single block, Overtravel, Block delete, Optional stop Feed hold, Emergency stop Custom macro B, Toolnose radius compensation, Multiple repetitive cycle

Optional specifications

- Air blower · Oil mist coolant device · Auto, Door open/close
- Chuck cleaning/air blow · Precision pneumatic chuck
- Diaphragm chuck · Ethernet function · RS232C interface with AC100V socket

Dimensions



Head Office - Factory

8-14, Okura machi, Okaya, Nagano-Pref.,394-0043 Japan
Phone(0266)23-5511 Facsimile(0266)24-0167
Web Site URL <http://www.eguro.co.jp>

Thai Representative Office

496-502 Amarin Plaza Building, 10th Floor
Ploenchit Road, Lumpini, Pathumwan, Bangkok 10330 Thailand
Tell/Fax:+66(0)2 305 6822
E-mail m-komatsu@eguro.co.jp