

Microcut CNC flat bed lathes BNC-1600/1800

Best
Quality



BNC-1800 flat bed lathe

MICROCUT's CNC Lathe BNC-1600 / 1800 series is specially designed for the best cutting performance, high removable rate, and great capability for turning medium size workpieces. All bearing surfaces are coated with low friction material, allowing all axes movement under minimum friction. The rigid box guideway design offers high rigidity, accuracy, durability, fast rapid feed and cutting feed as well as large loading capacity.

BNC 1600 is with a single high speed of 5000 rpm, BNC 1800 is built with automatic spindle speed changer mechanical hydraulic chuck interface.

Distinctive features:

- High spindle speed and torque
- Extra wide bed and box way design ensures machine stability
- Faster rapid feed rate of 15 m/min. for X/Z axes
- Long cutting length
- Gap bed for big disc turning
- Machine standard equipped with QCT, prepared for turret to be mounted in rear side of cross slide
- Excellent chip disposal design
- User-friendly operation station
- Large windows and full opening of doors
- Easy retrofit chip conveyor
- Heavy loading tailstock
- Thread repair function

Standard equipment:

- CNC control Fagor 8055 iFL
- Quick change tool post
- Chuck sliding guard with interlock device
- Gap bed
- Tailstock
- Fully enclosed front guarding with interlock system
- Coolant system
- Lubrication system
- CE marking declaration conformity for EU
- Leveling pads
- Tool set & kits
- Heat exchanger

Microcut CNC flat bed lathes BNC-1600/1800

Best
Quality

Optional equipment:

- 11/15 kW spindle motor
- Turret (hydraulic or electric)
- Manual 3-jaw chuck
- Roller steady rest 20-200 mm
- Hydraulic steady rest preparation
- Follow rest 20-200 mm
- Tailstock interlock system
- Hydr. tailstock quill
- Air lifting for tailstock
- Tailstock end cover with limit switch
- Chip conveyor + wash down system
- EMC
- Portable MPG
- Transformer
- Tool holders
- Available controls:
Fagor 8055 iFL 10,4" LCD full key control, Fanuc 0iTD with Manual Guide i or Siemens 828D basic



Fanuc 0iTD w/Manual Guide i



Siemens 828D basic

		BNC-1600	BNC-1800
Swing in gap	mm	660	710
Swing over bed	mm	425	475
Swing over cross slide	mm	190	240
Max. cutting length with turret	mm	1000 / 1500	
Bar capacity	mm	37	44 (6"chuck) / 51 (8-10" chuck)
Travel X-axis	mm	260	
Travel Z-axis	mm	1180 / 1680	
Rapid traverse X & Z	m/min.	15 & 15	
Spindle bore	mm	Ø46	Ø65
Spindle speed	rpm	0-5000	0-4500
Spindle motor	kW	7,5/11 (11/15 Fanuc)	
Guideway X-axis	mm	215	
Guideway Z-axis	mm	355	
Quill stroke	mm	150	
Quill diameter	mm	65	80
LxWxH (w/o chip conveyor)	mm	3030x1952x2022	3530x1952x2022
LxWxH (w/chip conveyor)	mm	4177x1952x2022	4677x1952x2022
Weight	kg	2400 / 2850	3000 / 3450