

# Microcut heavy duty CNC lathe BNC-3000/4000

Best  
Quality



**BNC-4000 heavy duty CNC lathe**

**MICROCUT's heavy duty CNC lathe BNC-3000/4000 series** is specially designed for heavy duty cutting. With one-piece casting bed made of Meehanite licensed casting (option), the machine is capable of heavy-duty turning. A wide selection of spindle bores including the largest bore of 356 mm for a wide application of various industries is available. The big bore option provides larger bar capacity, especially suitable for the oil & gas industry.

2-step gear box performs high torque spindle power. The smooth and fast speed changing time is to ensure fast working condition.

## Distinctive features:

- High spindle speed & output torque
- NN bearings for 4" & 6" bore spindle support
- Taper roller bearings for 6", 10" & 14" bore spindle support
- Automatic powerful speed changer
- Hydraulic chuck fitting
- Extra wide bed and box way
- Machine offers full Z-cutting capacity
- Long gap bed for disc turning
- Turcite B with all bearing surfaces
- Various selection of turrets
- Heavy loading tailstock
- Lubrication detection monitoring
- Easy retrofit chip conveyor
- Thread repair function

## Standard equipment:

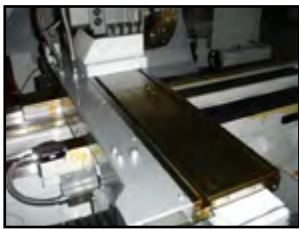
- Fagor 8055i FL CNC control
- Automatic speed changer
- Chuck sliding guard with interlock device
- Gap bed
- Tailstock
- Travelling front single door
- Coolant system
- Lubrication system
- Portable MPG
- Heat exchanger
- CE marking declaration conformity for EU
- Leveling pads
- Tool set & kits

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## Optional equipment:

- Enlarged 153/230/254/355 mm spindle bore
- Turret (hydraulic or electric) & power turret
- Quick change tool post
- Boring/bar base holder
- C-axis
- 5 bar coolant system
- 20 bar coolant through tool
- Rear chuck mounting preparation
- Rear chuck guard
- Manual & hydr. 3-jaw chuck
- Independent manual 4-jaw chuck
- Automatic bar feeder
- Roller steady rest
- Hydraulic steady rest preparation
- Follow rest 20-200 mm
- Hydr. tailstock quill & rotating tailstock quill
- Tailstock end cover with limit switch
- Full enclosure guarding
- Chip conveyor + wash down system
- Oil skimmer
- EMC
- Transformer
- Tool holders
- Available controls:  
Fagor 8055i FL, Fanuc 0iTD with Manual Guide or Siemens 828D basic



Extra wide cross slide



Quick change tool post fitted



Easy retrofit chip conveyor



Turcite B with all bearing ways

		BNC-3000	BNC-4000
Swing in gap	mm	1020	1280
Swing over bed	mm	760	1020
Swing over cross slide	mm	420	680
Max. cutting length with turret	mm	1000 / 2000 / 3000 / 4000 / 5000 / 6000	
Travel X-axis	mm	455	
Travel Z-axis	mm	1150 / 2150 / 3150 / 4150 / 5100 / 6100	1000 / 2000 / 3000 / 4000 / 5000 / 6000
Rapid feed X-axis	m/min.	10	
Rapid feed Z-axis	m/min.	12	
Spindle bore	mm	106 (std.) 153/254/356 (opt.)	91 (106mm bore) 114 (153mm bore) 149 (254mm bore)
Spindle speed	rpm	0-1480 (106/153mm bore) 0-650 (254mm bore) 0-500 (356mm bore)	
Spindle motor	kW	22/33 (std.) 22/26 & 22/30 (opt.)	
Quill stroke	mm	230	
Quill diameter	mm	125	
Weight	kg	9000 - 15000 (depending on model and equipment)	