



Features

CNC floor-type boring and milling machines can be divided into two basic types:

- Machines with an extendable boring spindle.
- Machines with an extendable ram containing an extendable boring spindle.
- All machines feature hardened steel guide ways for high rigidity, long operational life and excellent accuracy. All units can be equipped with a wide range of optional accessories including CNC controlled rotary tables, right angle milling heads, universal milling heads and facing heads.
- These machines are well suited for drilling, boring, reaming, turning, milling and threading processes on medium to large size work pieces in a variety of materials. In particular, they are suited for deep hole boring operations on larger size work.

Technical specifications

Item	Units	SFBC110	SFBC130	SFBC160	SFBC130A	SFBC160A
Dia. of spindle	mm	Φ110	Φ 130	Φ 160	Φ 130	Φ 160
Taper of spindle		ISO 7:24 No50	ISO 7:24 No50	ISO 7:24 No50	ISO 7:24 No50	ISO 7:24 No50
Dia. of milling spindle	mm		Φ 221.44	Φ 260	Φ 221.44	Φ 260
Speed of spindle	r/min	10-2500	10-2000	10-1500	10-1500	10- 1000
Max. torque	N.m	1300/1700	2500/3000	3500/4800	1855/2550	3000/4200
Section area of ram	mm				480x480	480x480
Travel of column (slide) X	mm	4000 (in steps of 1000)				
Vertical travel of headstock (carrier) Y	mm	1500	1600		2000 (Optional2500,3000)	
Travel of spindle	mm	550	800	1000	700	700
Travel of ram	mm				700	700
Power of main motor	kW	17/22.5	22/30	37/51	37/51	37/51
Cutting feed X, Y	mm/ min	1-6000	1-6000	1-6000	1-6000	1-6000
Z,W	mm/ min	W:1-2000	W:1-3000	W:1-3000	1-3000	1-3000
Rapid traverse	m/min	X,Y:9 W:2.4	X,Y:8 W:3	X,Y:9 W:3	X,Y:6 Z,W:3	X,Y:6 Z,W:3
Magazine capacity	piece	40	40	40	40(60)	40(60)
Shank specification		ISO 7:24 JTISO	ISO 7:24 JTISO	ISO 7:24 JTISO	ISO 7:24 JTISO	ISO 7:24 JTISO
Pin standard		LOA-50	LOA-50	LOA-50	LOA-50	LOA-50
Positioning accuracy						
X,Y,Z,W	mm	X:0.02/1 000 Y,W:0.016	X:0.02/1000 Y,W:0.020	X:0.02/1000 Y:0.026 W:0.020	X,Y:0.026/1000 Z,W:0.030	X,Y:0.026/1000 Z,W:0.030
Repeatability						
X,Y,Z,W	mm	X:0.01/1000 Y,W:0.016	X:0.01 /1000 Y:0.016 W:0.018	X:0.01/1000 Y:0.020 W:0.018	X,Y:0.013/1000 Z,W:0.013	X,Y:0.013/1000 Z,W:0.013
Overall dimensions of machine (LxWxH)	mm	8000x2993x4500	8600x5120x5030	10315X5410X5260	8500x5310x5552	8S00xS310xSSS2
Weight of machine	kg	30000	45000	55000	55000	65000
Total power capacity	KVA	50	70	85	85	120
CNC system	SIEMENS 840					

Standard accessories

- Siemens CNC system.
- Air conditioner in electric cabinet for dust proof and • Auto lubrication system
- Spindle positioning of outer connection encoder
- humidity elimination
- Chain chip conveyor and chips collection box
- Rigid tapping
- Balancing mechanism of spindle box
- Double driven gear box (For travel>4meters)
- Handle pulse generator
- Oil chiller
- Rack, linear guide way, scale of X axis
- Working lamp

FLOOR TYPE CNC BORING MACHINE

Your partner for presentation of the needs



Optional Accessories:

- Right milling head
- Internal cooling of spindle and water pump with high pressure
- Rotary hydrostatic worktable
- Universal milling head
- Platform
- Tool magazine
- CNC facing plate
- CNC rotary worktable
- Tool magazine with 60 tools can be selected when Y travel > 3000

