

SMEC PL 2000B-BM



Type: Cnc lathe

Brand: SMEC

Model: PL 2000B-BM

C.N.C: Fanuc 0iTF PLUS

Technical information

CAPACITY

Turning Ø: 310-270 mm
Turning length: 270.5-261.6 mm

1ST SPINDLE

Spindle nose: A2-8 ASA
Bar capacity: 67 mm
Spindle speed: 4500 rpm
Motor power: 11/18.5 Kw

2ND SPINDLE

Spindle nose: 10 (B)- 12 (BM) ASA
Bar capacity: 12 (BM) mm

TAILSTOCK

Cone: 4 CM

 Tailstock Opt



Used to maintain high precision during heavy duty cutting, the tailstock may be traversed using the MPG handle or manually.

Tailstock Stroke

350mm

Quill Stroke

80mm

Quill Taper

MT4

Turret

HIGH SPEED, HEAVY DUTY SERVO TURRET

PL 2000A/B : 10 Stations (□25×25, Ø40)



12 Stations(Opt.) (□20×20, Ø32)

Minimized non-cutting time with high-speed indexing turret with 0.2 second indexing per station.

Tool selection is made with turret indexing time of 0.2 seconds per station made possible through the High Power Servo Index Motor using the Non Stop Random Index Method. The Ø145mm large diameter Curvic Coupling enhances the damping power and indexing accuracy.

Turret Indexing Time

0.2 sec

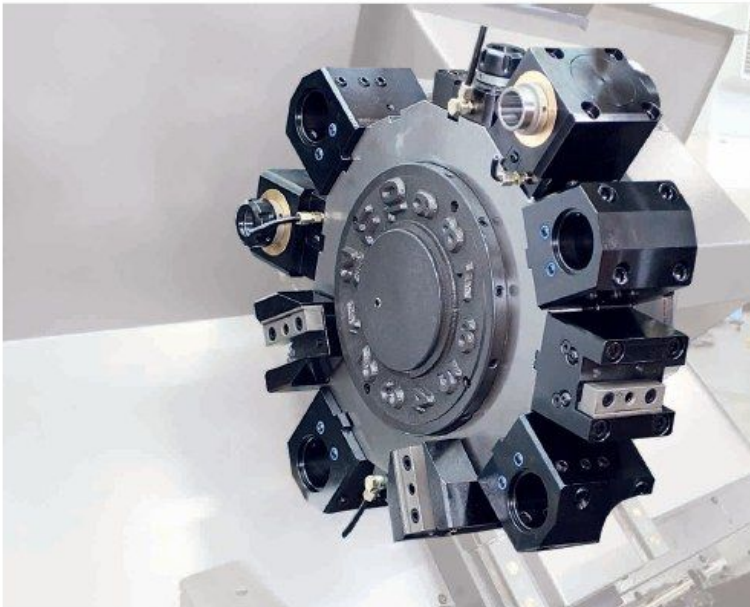
No. of Tool Stations

10 station

12 station(Opt.)

HIGH SPEED MILL TURRET (BMT45)

PL 2000AM/BM : 12 Stations (□20×20, Ø32)



BMT Milling Turret (AM/BM Type)

The 12 station BMT turret with the largest in class Curvic Coupling and powerful clamping force, is capable of accepting rotary tool on every tool position and supports a variety of machining operations with a single set-up.

The best in class tool holders ensure high rigidity, high precision machining and with Non Stop turret indexing in either direction minimizes the turret index time down to 0.15 seconds per station.


Turret Indexing Time

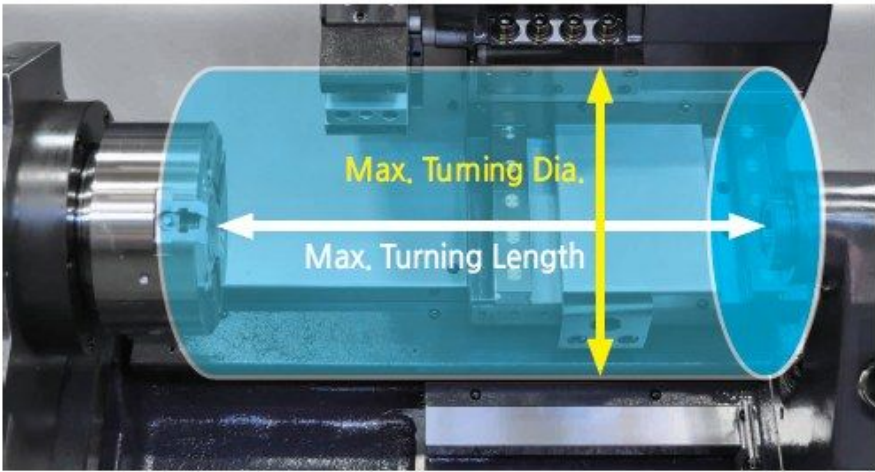
0.15 sec

No. of Tool Stations

12 station



 Work Range



| Model | Unit | Max. Turning Dia. | Max. Turning Length | Bar Working Dia. |
|-----------|------|-------------------|---------------------|------------------|
| PL 2000A | mm | Ø310 | 307 | 51 |
| PL 2000AM | mm | Ø270 | 291 | 51 |
| PL 2000B | mm | Ø310 | 270.5 | 67 |
| PL 2000BM | mm | Ø270 | 261.6 | 67 |

Spindle



| Model | Std Chuck Size | Spindle speed rpm | Spindle Power (Cont./Max) kW | Spindle Torque (Cont./Max) N·m |
|-----------|----------------|----------------------|---------------------------------|-----------------------------------|
| PL 2000A | 6" | 6,000 | 11/18.5 | 53/118 |
| PL 2000AM | 6" | 6,000 | 11/18.5 | 53/118 |
| PL 2000B | 8" | 4,500 | 11/18.5 | 94/211 |
| PL 2000BM | 8" | 4,500 | 11/18.5 | 94/211 |