



# CNC compact slant bed lathe

## A-Turn

20" x 22~39"

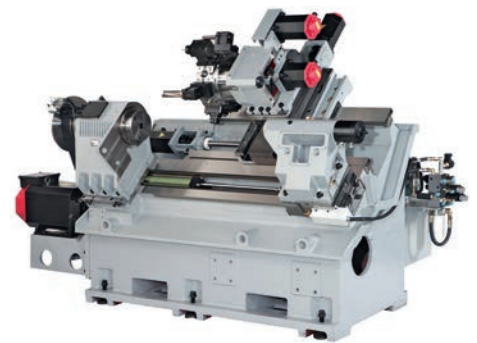


### Standard configuration

- Hollow 3-jaw hydraulic chuck
- Hydraulic turret and tool holders
- FANUC 0i-T control
- 8.4" color LCD monitor
- Registered part program numbers: 400 sets
- Part program size: 640 m
- RS-232 interface
- Heat exchanger for electric cabinet
- Coolant system
- Full-enclosed X/Z axis way cover
- Automatic lubrication system
- Three-color warning light
- Standard soft jaw and hard jaw
- Tool kit
- Operation manual
- Chip conveyor
- Chip cart

- One piece Meehanite slant bed lathe has low center of gravity and superior rigidity.
- Flex-resistant and shock-absorbing headstock is heat-treated and annealed twice. Reaching HRC53 hardness, it can take heavy cuts while maintaining accuracy.

| Specifications    |                           |       | A-Turn 250/570              |                             | A-Turn 250/1000 |  |
|-------------------|---------------------------|-------|-----------------------------|-----------------------------|-----------------|--|
|                   |                           |       | 20" x 22"                   |                             | 20" x 39"       |  |
| <b>CONTROL</b>    | Controller                |       | FANUC 0i-TD                 |                             |                 |  |
|                   | Swing over bed            | mm    | 505 (20")                   |                             |                 |  |
| <b>CAPACITY</b>   | Swing over carriage       | mm    | 318 (12.5")                 |                             |                 |  |
|                   | Max. cutting diameter     | mm    | 350 (13.8")                 |                             |                 |  |
|                   | Max. cutting length       | mm    | 570 (22.4")                 | 1000 (39")                  |                 |  |
| <b>SPINDLE</b>    | Spindle nose taper        | ASA   | (A2-5) A2-6                 |                             |                 |  |
|                   | Chuck diameter            | inch  | (6) 8                       |                             |                 |  |
|                   | Spindle speed             | rpm   | (6000) 4500                 |                             |                 |  |
|                   | Spindle motor power       | kW    | 15 (20 Hp)                  |                             |                 |  |
|                   | Bar capacity              | mm    | 44 to 75 (1.7 to 3")        |                             |                 |  |
| <b>TRAVELS</b>    | Z axis                    | mm    | 600 (23.6")                 |                             |                 |  |
|                   | X axis                    | mm    | 220 (8.7")                  |                             |                 |  |
| <b>FEED RATES</b> | Rapid traverse – Z axis   | m/min | 20 (780"/min)               |                             |                 |  |
|                   | Rapid traverse – X axis   | m/min | 20 (780"/min)               |                             |                 |  |
| <b>TURRET</b>     | Type                      |       | -                           |                             |                 |  |
|                   | Number of tools           | #     | 8 [opt. 10/12]              |                             |                 |  |
|                   | Square tool shank size    | mm    | 20 (0.8")                   |                             |                 |  |
|                   | Round tool shank size     | mm    | 32 (1.3")                   |                             |                 |  |
|                   | Cs spindle index angle**  | deg   | [opt. 0.01]                 |                             |                 |  |
|                   | Max. rotary tool speed**  | rpm   | [opt. 6000]                 |                             |                 |  |
|                   | Rotary tool motor power** | kW    | [opt. 2.2 (3 Hp)]           |                             |                 |  |
| <b>TAILSTOCK</b>  | Tailstock body travel     | mm    | 545 (21.5")                 | 1045 (41")                  |                 |  |
|                   | Tailstock quill travel    | mm    | 80 (3.1")                   |                             |                 |  |
|                   | Tailstock quill diameter  | mm    | 75 (3")                     |                             |                 |  |
|                   | Quill taper               | MT#   | 4                           |                             |                 |  |
| <b>DIMENSIONS</b> | Dimensions (L/W/H)        | m     | 2.9x1.6x1.7<br>(114x63x67") | 3.7x1.3x1.6<br>(146x51x63") |                 |  |
|                   | Weight                    | kg    | 3700 (8,100 lbs)            |                             |                 |  |
| Item No.          |                           |       | <b>1610158</b>              |                             | <b>1610159</b>  |  |



### Optional configuration

- Servo turret
- Collet chuck
- Tool setter
- External control box
- Parts catcher
- Parts conveyor
- Bar feeder
- Bar feeder interface 7 or 24 pins
- Auto door
- Oil mist collector
- Oil-coolant skimmer
- Air cooler for electric cabinet
- High pressure coolant system
- Transformer

\*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment. — \*\* Live tool optional



# CNC compact flat bed lathe

## A-Turn

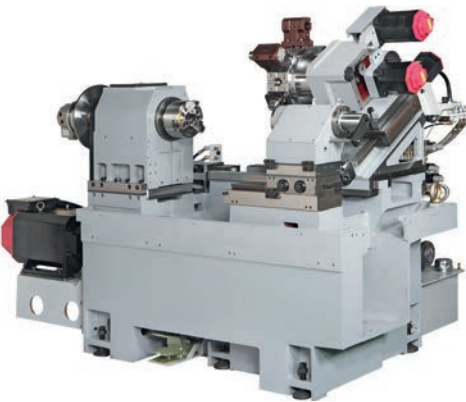
18" x 12~24"



- Small flatbed lathe with box-ways and a 30° inclined saddle offers economical performance.
- High-speed turret selects adjacent tool in just 0.3s, opposite tool in just 1.5s.

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- RS-232 interface
- Heat exchanger for electric cabinet
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- Three-color warning light
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### Optional configuration

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- High pressure coolant system
- Transformer

| Specifications    |                           |       | A-Turn 225/300             | A-Turn 225/600             |
|-------------------|---------------------------|-------|----------------------------|----------------------------|
|                   |                           |       | 18" x 12"                  | 18" x 24"                  |
| <b>CONTROL</b>    | Controller                |       | FANUC 0i-T                 |                            |
|                   | Swing over bed            | mm    | 455 (17.9")                |                            |
| <b>CAPACITY</b>   | Swing over carriage       | mm    | 260 (10")                  |                            |
|                   | Max. cutting diameter     | mm    | 330 (13")                  |                            |
|                   | Max. cutting length       | mm    | 300 (11.8")                | 600 (23.6")                |
| <b>SPINDLE</b>    | Spindle nose taper        | ASA   | A2-6                       |                            |
|                   | Chuck diameter            | inch  | 8                          |                            |
|                   | Spindle speed             | rpm   | (6000) 4500                |                            |
|                   | Spindle motor power       | kW    | 15 (20 Hp)                 |                            |
| <b>TRAVELS</b>    | Bar capacity              | mm    | 52 (2")                    |                            |
|                   | Z axis                    | mm    | 350 (13.8")                | 625 (24.6")                |
| <b>FEED RATES</b> | X axis                    | mm    | 175 (6.9")                 |                            |
|                   | Rapid traverse – Z axis   | m/min | 20 (780"/min)              |                            |
|                   | Rapid traverse – X axis   | m/min | 20 (780"/min)              |                            |
| <b>TURRET</b>     | Type                      |       | BOT/VDI                    |                            |
|                   | Number of tools           | #     | 8 [opt. 12]                |                            |
|                   | Square tool shank size    | mm    | 25 (1")                    |                            |
|                   | Round tool shank size     | mm    | 32 (1.3")                  |                            |
|                   | Cs spindle index angle**  | deg   | [opt. 0.01]                |                            |
|                   | Max. rotary tool speed**  | rpm   | [opt. 6000]                |                            |
|                   | Rotary tool motor power** | kW    | [opt. 2.2 (3 Hp)]          |                            |
| <b>TAILSTOCK</b>  | Tailstock body travel     | mm    | 200 (7.9")                 | 400 (15.7")                |
|                   | Tailstock quill travel    | mm    | 80 (3.1")                  | 150 (5.9")                 |
|                   | Tailstock quill diameter  | mm    | 70 (2.8")                  |                            |
|                   | Quill taper               | MT#   | 4                          |                            |
| <b>DIMENSIONS</b> | Dimensions (L/W/H)        | m     | 2.2x1.3x1.6<br>(87x51x63") | 2.4x1.3x1.6<br>(94x51x63") |
|                   | Weight                    | kg    | 3000 (6,600 lbs)           | 3500 (7,700 lbs)           |
| Item No.          |                           |       | <b>1610160</b>             | <b>1610161</b>             |

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