

# Microcut CNC slant bed lathes LT-series

Best  
Quality



LT-52 slant bed lathe

**MICROCUT CNC slant bed lathe type LT** offers an exceptional combination of standard features in a rugged, affordable package. This machine has greater speed, power, accuracy and durability. The LT-series features an 11 kW spindle drive (Fanuc) and includes a high quality 3-jaw power chuck as standard equipment.

A fast turret with 12 or 8 stations provides quick rotation time of 0,79 sec. to adjacent station. Living tool, C-axis and parts catcher are available for complex parts and automatic production.

## Distinctive features:

- One-piece 30° slanted bed
- Linear way ensures faster movement
- Higher spindle speed & heat dissipation
- Easy chip removal
- Mechanical hydraulic chuck interface
- Oil leakage detection device
- Hydraulic oil pressure detection device
- Waste oil / coolant separator
- Chip conveyor can easily be retrofitted
- Laser calibration on X- & Z-axes
- Wide selection of tooling system available
- Rigid linear guideways provides max. static and dynamic stiffness
- Double-nut, hardened & ground ballscrew for added stiffness and rigidity
- Encoder is built into each motor for precision accuracy
- Direct drive on each axis

## Standard equipment:

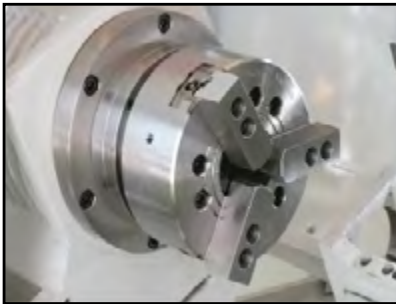
- Fanuc control - Manual Guide programming
- Hydraulic tailstock quill
- Hydraulic 3-jaw chuck (including soft & hard jaws)
- High-pressure coolant system
- Auto lubrication system
- Hydraulic unit
- Fully enclosed splash guard with interlock safety device
- CE marking declaration conformity for EU
- Heat exchanger for electric cabinet

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## Optional equipment:

- Manual / automatic tool setter
- C axis with braking system
- Extra tool holder set or VDI tool holder set
- Auto parts catcher
- Bar feeder interface
- Bar feeder V-65E / V-65LE / DH-65
- Spindle reduction tube (45 mm) for bar feeder
- EMC
- Collet unit & collet
- Fanuc 0iTF control with 10,4" LCD display and Manual Guide
- Auto open/close door
- Chip conveyor
- Chip bucket
- Power transformer
- Live tool holders
- 20 bar high-pressure coolant pump



Standard equipped with hydraulic 3-jaw chuck



Chip conveyor can easily be retrofitted



|                               |        | LT-42  | LT-52 | LT-65 |
|-------------------------------|--------|--|-------|-------|
| Swing over bed                | mm     | 500  |       |       |
| Swing over cross slide        | mm     | 220  |       |       |
| Max. cutting dia. with turret | mm     | 210  |       |       |
| Max. cutting length           | mm     | 460  |       |       |
| Travel X-axis                 | mm     | 215 (170+45)                                 |       |       |
| Travel Z-axis                 | mm     | 520  |       |       |
| Spindle speed                 | rpm    | 6000   | 5000  | 4000  |
| Bar capacity                  | mm     | 42   | 52    | 65    |
| Chuck size                    | mm     | 169  | 210   | 215   |
| Rapid feed X / Z              | m/min. | 30/30  |       |       |
| Main motor                    | kW     | 11/15 Fanuc<br>7,5/11 Fagor<br>12/15 Siemens |       |       |
| X axis servo motor            | kW     | 1,8  |       |       |
| Z axis servo motor            | kW     | 1,8  |       |       |
| Positioning accuracy          | mm     | ±0,005/300                                   |       |       |
| Repeatability accuracy        | mm     | 0,005  |       |       |
| Weight                        | kg     | 3000   | 3040  | 3070  |