

Microcut CNC slant bed lathes LD-series

Best
Quality



MICROCUT twin spindle single turret slant bed CNC lathe type LD is capable of multi-axis turning and milling. Besides twin spindles the machine has single turret, live tooling, C-axis, Y-axis and is capable of producing high accuracy parts.

The tool setter and workpiece probe and accessories allow further setup for automated operation to reduce intensive labor costs. Complex machining in one-setup, but is also ideal for tasks requiring long time loading. It highly increases efficiency and productivity, and meets the diversified tasking requirement of production.

Distinctive features:

- Twin spindle single turret
- Reliable and rapid turret indexing
- Reducing idle time
- Apply all processes on one machine
- Increase the productivity
- Milling and turning in one setup
- 30° one-piece slant bed for rigid structure
- Reducing frequency of loading & unloading
- Linear way ensures faster movement
- 8" and 10" hydraulic chuck
- Strategic ribbed bed for max. stiffness
- Headstock design with optimal heat dissipation
- Ready for automation

Standard equipment:

- Fanuc 0iTF with 8,4" LCD manual guide 0i
- Main spindle motor 11/15 kW
- Auxiliary spindle motor 7,5/11 kW
- C axis with braking system
- Power turret, 12 station, BMT55 5 tooling
- Foot switch for chuck operation
- Auto lubrication system
- Work lamp
- M30 program stop light
- Hydraulic unit
- Fully enclosed splash guard w. interlock safety device
- CE marking declaration conformity for EU
- Tool set & box & level pads
- Heat exchanger for electric cabinet

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Optional equipment:

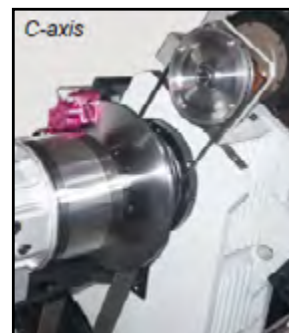
- Fanuc 0iTF control with 10,4" LCD display and Manual Guide i
- C-, C2- and Y-axis
- Oil skimmer
- Chip conveyor
- 12 station hydraulic turret
- 12 station VDI30/40 turret, VDI30 power & VDI30 servo power turret
- 10" hydraulic 3-jaw chuck for LD-65 primary spindle
- Air conditioner
- Hydraulic collet chuck
- Tool probe
- Coolant through tool system
- Bar feeder
- Parts catcher



Fanuc 0iTF control with 10,4" LCD display and Manual Guide i



Y-axis enables diverse and off-center machining for complicated parts



C-axis with braking system provides spindle angle indexing & superior performance

| | | LD-52 | LD-65 |
|-------------------------------|--------|--------------------|--------------------|
| Swing over bed | mm | 650 | |
| Swing over cross slide | mm | 380 | |
| Max. cutting dia. with turret | mm | 380 | |
| Max. cutting length | mm | 520 / 1020 | |
| Travel X-axis | mm | 215 (200+15) | |
| Travel Y-axis (option) | mm | 100 (±50) | |
| Travel Z-axis | mm | 520 / 1020 | |
| Travel Z2 axis | mm | 520 / 1020 | |
| Spindle speed primary spindle | rpm | 5000 | 4000 |
| Spindle speed second spindle | rpm | 5000 | |
| Bar capacity | mm | Ø52 | Ø65 |
| Rapid feed X / Z / Z2 | m/min. | 24/24/24 | |
| Rapid feed Y (option) | m/min. | 6 | |
| X / Z / Z2 axis servo motor | Nm | 8 | |
| Y axis servo motor (option) | Nm | 4 | |
| Positioning accuracy | mm | 0,01/300 | |
| Repeatability accuracy | mm | ±0,01 | |
| LxWxH (w/o chip conveyor) | mm | 3500 x 3135 x 1950 | 4020 x 3135 x 1950 |
| LxWxH (w/chip conveyor) | mm | 3985 x 3135 x 1950 | 4485 x 3135 x 1950 |