

Details

COMPONENTS:

- X, Y, and Z axis linear motor drive system
- Z-axis thermal growth compensation
- Special precision roller-type linear motion ways
- Full enclosure design
- Special way covers to reduce motion resistance
- 60,000-RPM integral motor spindle
- Spindle chiller
- Non-contact tool measurement (Blum laser) with air blow
- Tsudakoma direct drive (RRT-216AA) 2-axis rotary table
- 53-gallon (200L) coolant tank
- 20-position automatic tool changer
- X, Y, and Z axis (2 nanometer) linear scales
- Tool tightening block
- Automatic power shutdown circuit
- Work washer gun
- Air purge
- 10.4" color monitor
- 2-stage patrol lamp (yellow, red)
- Manual handle feed
- One machine lamp (LED)
- Toolbox
- Maintenance kit
- Leveling bolts and pads

ON-BOARD AUTOMATION:

- Automatic lubrication system

USER INTERFACE:

Fanuc 31i-B5 control features:

- Super PC X + Function (10-mode operation)
- AI Contour Control II, high-speed processing, Nano smoothing, and look-ahead block expansion
- Editable data server with 2GB program storage (flash card type)
- Ethernet with TCP/IP protocol & RS232 communications
- 320-meter memory (128KB)
- 160-meter memory (64KB)
- Custom macro B
- Parts count & run hour display
- Helical interpolation

ADDITIONAL BENEFITS:

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- remote360°-enabled (remote user monitoring, diagnostics, service support, and more)