

GT-250B



CHRISTENSEN MACHINERY & SUPPLY CO., INC.

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GT-250B

STANDARD FEATURES

POWERFUL 20 HP H/L SHIFTING SPINDLE MOTOR
 3,500 RPM MAXIMUM SPINDLE SPEED
 10" HYDRAULIC CHUCKING SYSTEM
 426 FT-LB @ 248 RPM (15 MIN. RATING)
 RIGID 30° SLANT
 PRECISION HARDENED & GROUND BALLSCREWS
 HARDENED & GROUND BOXWAY CONSTRUCTION
 AUTOMATIC TOOL LENGTH MEASUREMENT
 PARTS CATCHER SYSTEM
 FLUORESCENT WORK LAMP
 HIGH QUALITY & RUGGED MEEHANITE® CASTINGS
 34 GAL. HIGH CAPACITY COOLANT TANK
 SET OF HARD & SOFT JAWS
 MT-5 LIVE CENTER

FAST 12 POSITION SERVO TURRET
 NON-STOP BI-DIRECTIONAL TOOL INDEXING
 SERVO TURRET
 TAILSTOCK WITH PROGRAMMABLE QUILL
 LIFT UP STYLE CHIP CONVEYOR – RIGHT SIDE STD.
 ABSOLUTE ENCODERS, 1 MILLION RESOLUTION
 AC DIGITAL SERVO & SPINDLE DRIVES
 8.4" LCD COLOR MONITOR
 DYNAMIC GRAPHIC DISPLAY
 MACRO B & SKIP FUNCTION
 1280 METERS MEMORY W/ PCMCIA EXPANSION SLOT
 BARFEEDER INTERFACE
 SWIVEL DESIGNED CONTROL PANEL
 POWER FAILURE MODULE

BASIC SPECIFICATIONS

GT-250B

SPINDLE

Horse Power	20HP (30 Min.)
Spindle Nose	A2-8 ASA
Chuck Diameter	10"
Through Hole / Bar Capacity	3.46 / 3.07"
Spindle Speed (10" Chuck)	3,500 RPM

TRAVEL

X Axis Travel (Maximum Cross Travel)	6.89"+ 0.79"
Z Axis Travel	20.28"
Swing Over Bed	21.65"
Swing Over Carriage	16.54"
Max. Turning Diameter	13.78"
Distance Between Center	26.69"
Max. Turning Length	20.28"

FEED

X-Axis Rapid	787 IPM
Z-Axis Rapid	945 IPM

TURRET

Number of Tools	12
Tool Size (O.D. / I.D.)	□1.0" / Ø1.5"

TAIL STOCK

Quill Diameter	3.94"
Max. Quill Travel	3.94"
Quill Taper	MT-# 5
Tailstock Stroke	16.34"



GT-250B

GENERAL

Machine Net Weight	13,669 lbs.
Shipping Weight	15,500 lbs.
Power Consumption	30 kVA
Floor Spacing (with chip conveyor) (W x D x H)	149" x 74.21" x 90.55"

DETAILED SPECIFICATIONS

GT-250B

SPINDLE

Spindle Motor	FANUC aP22 AC Dual Winding Motor
Horsepower	20 HP
Chuck Diameter	10"
Spindle Nose	A2-8 ASA
Spindle thru-hole Diameter	Ø 3.46"
Thru-draw Tube Capacity	Ø 3.07"
RPM Range (High)	45~3500 rpm
Spindle Center Height from Floor	41.73"
Maximum Torque	426 ft-lbs@248 rpm

GUIDES

Z-Axis Guide Width	16.9"
X-Axis Guide Width	11.0"

X AXIS

Ballscrew: Diameter	Ø 1.26" / 32mm
Class	JIS C3
Pitch	P12
Feed Rate: Rapid Traverse	394/ 787 ipm
Travel:	7.67"
Motor Horse Power	4
Maximum Axial Thrust Force	5,600 lbf

Z AXIS

Ballscrew: Diameter	Ø 1.57" / 40mm
Class	JIS C3
Pitch	P12
Feed Rate: Rapid Traverse	394/ 945 ipm
Travel:	20.28"
Motor Horse Power	4
Maximum Axial Thrust Force	4,200 lbf

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DETAILED SPECIFICATIONS *continued:*

GT-250B

TURRET

Number of Tools	12
Turret Type	Servo
Shank Height for Square Tool	1"
Boring Bar Holder Diameter	Ø 1.5"
Turret Maximum Swing Diameter	22.8"
Turret Clamping Force	14,036 lbs.
Tool Indexing Time (adj. Tool)	0.4 sec.
Tooling	5ea. ID Tool Holders 1 ea. U-Drill Holder 2 ea. Face / ID Holders

TAILSTOCK

Quill Diameter	3.94"
Quill Taper	MT # 5
Quill Stroke	3.94"
Tailstock Stroke	16.34"

CAPACITY

Hydraulics Tank Capacity	12 gal.
Lubrication Capacity	1.6 gal.
Coolant tank capacity 1HP Motor	34 gal.

DIMENSIONS

Floor Space w/ Chip Conveyor (W x D x H)	149" x 70" x 75"
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WEIGHT

Net	13,669 lbs.
Shipping	15,500 lbs.

POWER REQUIREMENTS

208 VAC Line Voltage	30 KVA
Breaker Size	AC 3 Phase 90 AMPS



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ACCESSORIES

Standard

- TXP-100FA Control
- ATLM (Tool Length Measurement)
- Parts Catcher System
- Bar Feeder Interface
- Hydraulic System
- Air Gun
- Coolant Equipment System
- Hydraulic Hollow Cylinder
- Leveling Blocks and Bolts
- Complete Chip Enclosure
- Chuck Switch Pedal
- Heat Exchanger for Electrical Cabinet
- Mechanical, Electrical & Operating Manuals
- CNC Controller TXP-100FA
- Central Automatic Lubrication System
- Hard Jaws and Soft Jaws 1 set
- Tailstock Center Shaft Stationary Quill Type
- Tailstock Positioning Manual Lock (Block)
- Chip Conveyor Right Side
- Safety Door

Option

- Refrigerated Heat Exchanger for Electrical Cabinet
- CNC Controller TXP-200FA
- Tailstock Center Shaft Live Quill Type
- Tailstock Positioning Programmable Hydraulic Clamp
- Chip Conveyor Rear Side
- Automatic Door
- Collets Chuck
- Chuck Air Blast
- Foundation Screw Bolt
- Oil Mist Collector
- Additional Hard and Soft Jaws
- Oil Skimmer
- Paper Filter
- Soft Jaw Former
- Tail Stock Pedal
- Coolant Gun
- Parts Catcher System
- Work Length Setter
- Heavy Duty Coolant Pump (MTH2-40/4)
- Auto Tool Length Measurement System
- Bar Feeder or Only Software



GT-250B

OPTIONS

OPTIONS	DESCRIPTIONS	MSRP
FACTORY ORDER ONLY		
	Programmable Tailstock (GT series)	\$4,300
	Heavy Duty Coolant Pump	\$900
	Oil Skimmer	\$1,000
	Live Quill	\$1,100
	Safety Clutch (X axis)	\$1,600
	Safety Clutch (Z axis)	\$1,600
	Chuck Air Blast	\$600
	Automatic Door	\$2,400
FANUC OPTIONS		
	TXP 100FA Upgrade to TXP200FA	\$4,800
	Fanuc Field Install (Not Including Travel + Accommodations)	\$1,100

Quotation

<u>Qty</u>	<u>Item #</u>	<u>Description</u>	<u>Price</u>
1	GT-250B	GT-250B (10")----- TXP100FA, 3500RPM, 20HP, 12T, 10" Spindle, Conveyor, ATLM, Catcher, BAR/Interface, Programmable Tail Stock, 3.07" BAR Capacity.	\$93,700.00

FOB: Long beach, CA
Warranty: Machine 1 Year
Control 2 Year

All features, benefits and specifications are subject to change. YCM, Inc. is not responsible for any typographical errors, omissions or misprints.



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