

MIYANO ABX-51TH2

***10-AXIS CNC SUPER
TURNING CENTER W/
(3) TURRETS,
(2) SPINDLES,
(2) Y-AXIS SLIDES &
(36) REVOLVING TOOL STATIONS***



MIYANO MODEL ABX-51TH2
10-AXIS CNC SUPER
CNC TURNING CENTER W/ (3)TURRETS, (2) SPINDLES,
(2) Y-AXIS SLIDES, & (36) REVOLVING TOOL STATIONS

ABX-51TH2

2.0" Diameter bar capacity for left spindle
2.0" Collet capacity for right spindle
5" Maximum turning length for left spindle
5" Maximum turning length for right spindle

STANDARD FEATURES

FANUC 16i-TB for 10-axis control
(2) 12 Station upper turrets by servo indexing motors that can each be tooled up to 24 I.D. tools
(1) 12 Station lower turret by servo indexing motor that can be tooled up to 24 I.D. tools
Left spindle for first operation work
Right spindle for secondary operation work
50 to 5,000 RPM left and right spindle speed
20 Horsepower Fanuc AC left spindle drive motor
10 Horsepower Fanuc AC right spindle drive motor
0.25 Second/station turret indexing (lower & upper turrets)
Bi-directional turret indexing
Left & right spindle synchronous control
Full C-axis left & right spindle control
Y-axis slide on both upper turrets
Revolving tool attachment possible for live tooling on every station for all three turrets
40-4,000 RPM revolving tool speed on all three turrets
Servo driven revolving tools make rigid tapping possible with upper and lower turrets
3.4 HP drive unit for upper & lower turret live tooling
H-S22 left & right spindle stationary collet chuck systems for bar work
Automatic work piece transfer from left to right spindle
Right spindle provides the capability to finish both sides of a work piece from bar stock
10-Axis simultaneous machining
First and secondary operation can be performed simultaneously
Chuck work can be machined simultaneously by both the left and right spindles
One turret can be indexing while the other two are machining parts to reduce idle time
Cycle time of a complicated part can be reduced by as much as 65 % compared to 3-Axis machine
Increased productivity machining over 2, 3, and 4 axis machines
Free position indexing of each cutting tool
45 degree slant bed design provides extra rigidity, better chip flow, & minimizes heat distortion
Left & right spindle orientation for hexagon and square bar work part transfer
Set of Miyano tool holders
Exclusive left and right spindle combination tool holders reduce turret indexing
Inner right spindle high pressure coolant with air purge
1-Year warranty on machine
2-Year warranty on Fanuc control