



# Hanwha Machinery America

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## Blue Mountain Machine

### HANWHA SWISS LATHE

**Hanwha XD32H Swiss Style Turning Center**  
**Fanuc 18iTB System 2 Path**  
**Seven Cutting Axes (X1, Y, Z1, C1, X2, Z2, C2)**  
**1-Degree Indexing Main & Sub Spindle For Heavy Milling**

#### Standard Features:

Fanuc 18iTB 4 Axes 2 Path Control (Warranty: 2 Years Parts & Labor)  
Hanwha Manufacturers Warranty (1 Year Parts & Labor)  
AC Servo Axes Control With 2 Horsepower Fanuc Motors  
Main Spindle Speed 200-8,000 rpm (S&M TF37 Collet Chuck)  
Sub Spindle Speed 200-7,000 rpm (S&M TF37 Collet Chuck)  
Full Stroke Synchronous Rotary Guide Bushing Unit (S&M TD32S)  
Full C-Axis Control, Both Main & Sub Spindles  
1-Degree Locking for Heavy Milling, Both Main & Sub-Spindles  
Rotary Tool Spindle Speed 200-6,000 rpm  
Cross Drilling Unit, 4 Stations With Holders  
2 Driven Front End Working Tools, 200-8,000 RPM  
2 Driven Rear End Working Tools, 200- 6,000 RPM  
Rigid Tapping On All Driven Spindles (Main, Sub & Cross)  
Manual Pulse Generator  
One Coolant Pump with High Flow Rates  
Part Conveyor With Part Collection Tray  
Parts Separator  
Air Blow Unit Controlled By M-Code  
Pneumatic Part Ejection & Detection For Front Ejection  
Long Parts Ejection From Back Spindle (Shaft Work)  
Broken Cut Off Tool Detection  
Centralized Automatic Lubrication System w/Level Detector  
Coolant Flow Detector For Safe Unmanned Operation  
Tool Area Work Light  
Signal Tower (3 Colors)  
Work Door Interlocks For Safety  
Tool Box w/Tools For Set Up And Service  
Cutting Oil Tank & Flow Detector (45 Gal)  
Leveling Bolts And Pads  
Test Chart  
Parameter List  
One Complete Set Of Manuals



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## Hanwha XD32H Specifications

### **Hanwha XD32H Swiss Style Turning Center Fanuc 18iTB System**

#### **Standard Tooling Package:**

- 5 Turning Stations (5/8" Square Shank)
- 4 Cross Drilling/Slotting Stations (ER16)
- 7 Front ID Post (2 Power Driven)
- 4 Back ID Post (2 Power Driven 2 Stationary)
- 5 Single End ER-16 Drill Sleeves
- Safety Door Interlock

#### **Machining Capacity:**

Maximum Bar Capacity Round .....	1.250"
Maximum Bar Capacity Hex .....	1.062"
Maximum Bar Capacity for the Sub-Spindle .....	1.250"
Tapping Capacity on the Main Spindle .....	0.312"
Front Ejection from the Sub-Spindle .....	3.000"
Rear Ejection from the Sub-Spindle .....	11.000"
Drilling Capacity on the Sub-Spindle.....	0.393"
Tapping Capacity on the Sub-Spindle.....	0.312"
Drilling Capacity on the Cross Drill .....	0.275" / 0.393"
Tapping Capacity on the Cross Tap.....	0.250"

#### **Main Spindle:**

Spindle Speed range .....	300 to 8,000 RPM
AC Spindle Drive Core Motor .....	7.5 HP
C-Axis Control minimum programmable angle.....	0.001 Deg.
C-Axis locking gear.....	Every 1.0 Deg.
Z1-Axis Horsepower .....	2.0 HP
Z1-Axis Stroke .....	12.500"
Z1-Axis Rapid Traverse .....	1,200 IPM



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## Hanwha XD32H Specifications

### Hanwha XD32H Swiss Style Turning Center Fanuc 18iTB System

#### Sub-Spindle:

Spindle Speed range .....	300 to 7,000 RPM
AC Spindle Drive Core Motor (Chilled) .....	3 HP
C-Axis Control minimum programmable angle.....	0.001 Deg.
C-Axis Magnetic Brake .....	Every 1.0 Deg.
Z2-Axis Stroke .....	12.500"
Z2-Axis Rapid Traverse.....	1,200 IPM
Z2-Axis Horsepower .....	2.0 HP

#### Cross Working Spindles:

Spindle Speed range .....	200 to 6,000 RPM
AC Spindle Drive Geared .....	1.7 HP

#### Tool Position:

O.D. Tool Positions.....	5
O.D. Tool Shank.....	0.625" Sq
Cross Mill / Drill Stations .....	4
Main Spindle I.D. Tool Positions Total (ER-16 Type) .....	7
5 Stationary from the Main Tool Stand	
2 Powered Face Mill / Drill stations independent from the Main Tools	
Sub-Spindle I.D. Tool Positions Total (ER-16 Type) .....	9
5 Stationary from the Main Tool Stand	
2 Stationary Independent from the Main Tools	
2 Gear Driven Independent from the Main Tools to 6,000 RPM	

#### Coolant / Lubrication Systems:

Coolant Pump Motor.....	0.6 HP
Coolant Tank Capacity .....	45 Gallons
Way Lube Tank Capacity.....	0.48 Gallons

#### Machine Dimensions:

Width .....	65"
Length .....	94"
Height .....	69"
Weight .....	9,500 LBS

#### General Specifications:

Voltage.....	3 Phase 200V-220V
Power Required.....	30 KVA
Compressed Air.....	80 PSI