

## Vertical Machining Center: AL42X

- Centroid M400 control with 15" LCD
- Armless type 16 tool ATC
- **20 HP spindle motor, CAT40 / BT40 spindle taper**
- **10,000 rpm spindle speed with spindle chiller**
- **Linear guide way on three axes**
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite casting main frame with annealed & stress relieved for long term reliability
- 100% laser tested for positioning accuracy & repeatability
- Telescopic steel way covers on all three axes
- Tool box & Tools
- Coolant system and air blast system
- Central lubrication system
- Built-in Quartz work light
- Screw type Chip Auger
- Rigid tapping (opt)
- Portable hand wheel (opt)



### Specification

X / Y / Z travel: ..... **43.3" / 25.5"** / 24"  
 Distance from spindle to column: ..... 29.2"  
 Distance from spindle to table top: ..... 5.9" ~ 30.3"

### Working Table

Size (X / Y): ..... 46.4" / 22"  
 T-slot: ..... 0.7" x 5 x 3.9"  
 Load capacity: ..... 2,200 lbs

### Spindle

Motor: ..... **20 HP**  
 Speed: ..... **10,000 rpm**  
 Taper: ..... CAT40 / BT40

### Feed Rate

Rapid X / Y / Z: ..... 1181 / 1181 / 944 ipm  
 Cutting: ..... 393 ipm

### ATC

Tool magazine capacity: ..... Armless 16 tool  
 Max. tool dia. / adj. pocket empty: ..... Ø 3.1" / Ø 3.54"  
 Max. tool length: ..... 11.8"  
 Max. tool weight: ..... 15.4lbs (Total ≤ 176lbs)

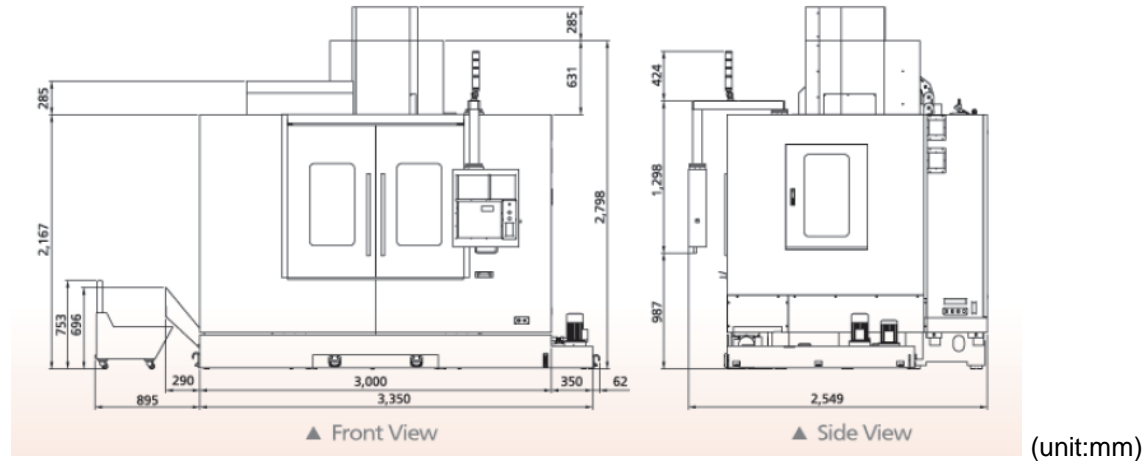
### General

Power requirement: ..... 26 KVA  
 Pneumatic tank requirement (min.): ..... 5 ~ 8 (5) kg/cm<sup>2</sup>  
 Coolant tank capacity (pump): ..... 95.1 gal (2 hp)

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### Dimension & Weight

L X W X H: ..... 143" x 100" x 121"  
 Weight: ..... 16,720 lbs



Model	Spindle	Travel X/Y/Z	ATC Armless	CNC System	Spindle Motor	Axes Motor	FOB CA
AL42X	BT40/CAT40	43.3/25.5/24"	16 Tools	M400	20HP	3KW-XYZ	<b>\$86,995</b>

### Standard Accessories

Clamp/unclamp cylinder	Auto lube	Air gun & spindle air blast	Screw type chip auger
Full enclosure	Power chain	Parts manual machine	Halogen work light
Telescoping way cover	Coolant system	Centroid operation manual	Electric cabinet set
Tools & box	Encoder set	Spindle coolant unit	Spindle chiller

### Optional Machine Accessories

AL-CTS20	20 bar CTS system (For belt driver system/TPRK3T33-33)	\$6,700
AL-CC1	Upgrade to Chain type Chip Conveyor (AL42X/AL52/AM42/AM52)	\$3,900
AL-OS	Oil Skimmer	\$995
AL-RL1	Upgrade linear guide way to Roller type for X/Y/Z axes (AL42X)	\$4,200
AL-A24ATC	Upgrade to Arm type 24 tools ATC.	\$2,586
AL-A30ATC	Upgrade to Arm type 30 tools ATC.	\$4,900
AL-EC	Electric Cabinet conditioner	\$1,995
AL-CG	Coolant gun	\$499
AL-IDS	Interlock door switch	\$385
CK-105	52pcs Clamping Kit slot 0.71" (18mm); stud: 5/8-11	\$235
CP-MIST	Mist Coolant System	\$760
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$385
C40RK-45	Retention Knob Cat40, 45degree 20pcs	\$365

### Optional Software Accessories



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10620	Compression tapping	Free
10610	User definable Macros and sub programs [M98 & G65]	Free
10851	Cutter compensation	Free
10360	4th axis software	Free
10249	Printed manual Centroid control	\$88
10630	Unlimited part program size	\$550
10810	Rigid tapping [G74 & G 84] (includes 10620)	\$550
10850	Coordinate system rotation (CSR)	\$220
10625	Scaling and mirroring [G50 & G51]	\$220
10740	Engraving software	\$500
<u>Digitizing &amp; Probing</u>		
10405	DP-4 probing package w/ CSR (10850)	\$1,790
12486	DP-7 probing package w/ CSR (10850)	\$4,200
10770	2D & 3D digitizing software (requires 10405)	\$3,350
10220	TT-1; Tool touch off kit	\$725
12468	TT-2; Tool touch off kit	\$1,350
10772	Tool room package (10405 & 10220 & 10600 work coordinate)	\$2,239
<u>Manual Pulse Generators (MPG)</u>		
11069	100 Step MPG	\$495

### Terms & Conditions

F.O.B.: Pomona, CA 91768

Delivery: Please check with Machines in Motion, Inc.

Standard Terms Of Payment: 20% down-payment, balanced due on machine delivery

Taxes: Federal, State, Local Taxes are the responsibility of Purchaser.

Validity: This proposal is valid for 30 days.

Training: Includes one day of training. Travel related expenses are additional.

Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit [www.atrump.com/policy](http://www.atrump.com/policy) for full warranty details & contract.

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