

**MAXCUT UDM-3218E DOUBLE COLUMN VERTICAL MACHINING CENTRE**



**UDM-3218E WITH AUTOMATIC RIGHT ANGLE HEAD AND FAGOR 8065**

**US \$429,900**

**Includes following options**

**40 POSITION AUTOMATIC HORIZONTAL/VERTICAL TOOL CHANGER**

**US \$34,900**

**90° AUTOMATIC INDEX ANGLE MILLING HEAD/AUTOMATIC HEAD EXCHANGER**

**US \$42,900**

Automatic Head Exchange,  
Auto 5° index, Booster cylinder,  
3500rpm, 1000Nm

Hydraulic tool clamp/unclamp

**Y AXIS EXTENDED TRAVEL 2300mm instead of 1800mm**

**US \$12,900**



**High-light features included**

Fagor 8065 fully conversational control with 15" High resolution color LCD monitor

X /Y /Z travel: 3000/2300/1000 mm

Distance between columns: 1900mm (without splash guard)

Table size: 3000x1500

Maximum table load: 9000Kg/19,800lbs

Spindle: CAT50, 8000rpm, 15/18.5kW

Automatic horizontal/vertical tool changer: Arm type, ATC, 40 tools

300psi through spindle coolant

Semi enclosure splash guard

Double chip augers with chain-type chip conveyor



Scan QR code to Watch video

**| [www.masteel.ca](http://www.masteel.ca) | [www.masteels.com](http://www.masteels.com) | toll free: 800.913.4434 | email: [sales@masteels.com](mailto:sales@masteels.com) |**

Vancouver Head office: 7490 MacDonald Rd, #120 Delta, British Columbia V4G 1N2

604-952-4434

Edmonton Office: Metric Machine tool Service - A Div. of Masteel, 854 78 Avenue, Edmonton, Alberta T6P 1L7

780-466-4693

Toronto Office: 940 Winston Churchill BLVD, Oakville, Ontario L5T 1A3

905-845-4434

**MORE OPTIONS AVAILABLE**

**A/C 2 AXIS AUTOMATIC INDEX ANGLE MILLING HEAD/AUTO ATTACHED HEAD-A58**

Automatic head attachment (AAC),  
 Auto A & C axis 5° index (AAI),  
 Booster cylinder, 3500rpm, 1000Nm-A58  
 Hydraulic tool clamp/unclamp

**US \$99,900**



**Z AXIS TRAVEL 48" INSTEAD OF 40"**

**CAT 50, 10000RPM SPINDLE, LINEAR WAY ON Z AXIS**

**SQUARE RAM, LINEAR GUIDE WAY ON Z AXIS**

**DIRECT DRIVE HIGH SPEED SPINDLE**

**US \$12,900**

**US \$14,900**

**OPR**

**OPR**



**2 SPEED GEARBOX AND ZF GEAR BOX ON SPINDLE HEAD STOCK**

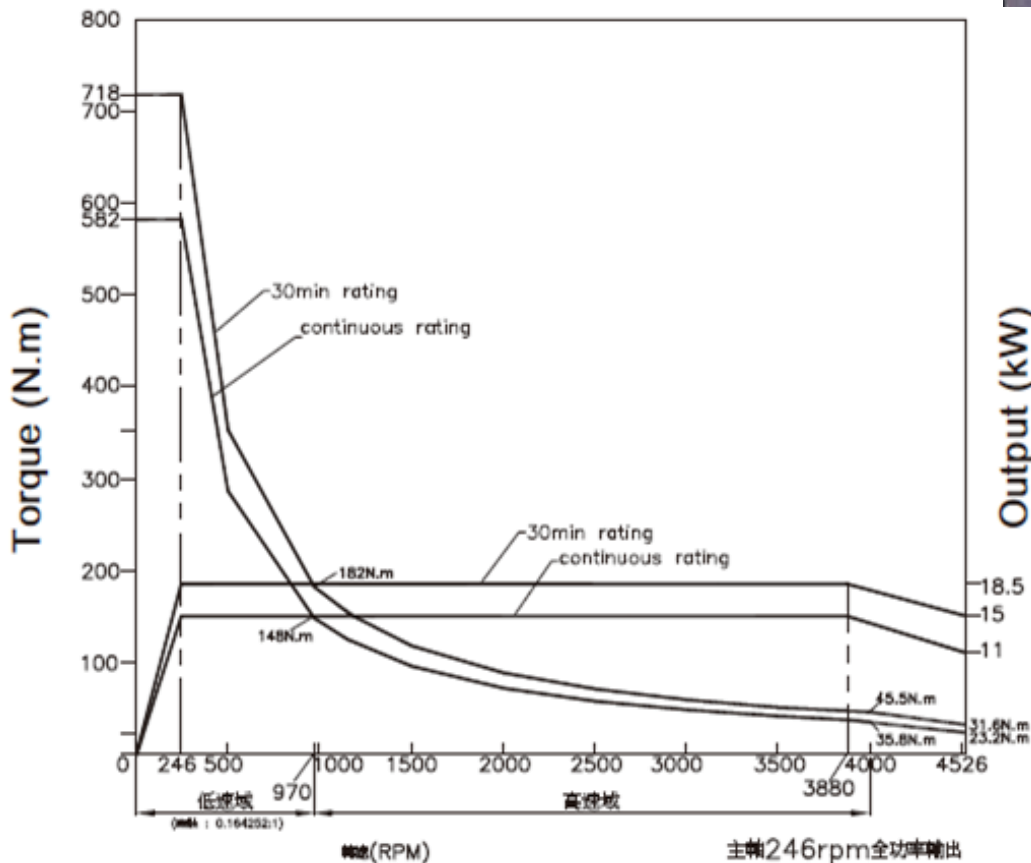
100mm spindle driven through ZF gear and additional Gear box for high torque at low speed.

6000rpm at 755N-m of torque Output. This makes the machine ideal for both high speed and heavy cutting applications.

For 4000rpm torque output may reach 1132N-m for extra powerful cutting operation.



**SPINDLE SPEED / TORQUE CHART** (Spindle Speed 4000 rpm)



**SOLID – ENGINEERED STRUCTURE**

One piece casting structure for cross beam, column and bed way

Guide way design:

X axis

Two M55 roller type linear guide ways

Y axis

Horizontal and vertical wide support on step design railing for high heavy duty cutting.

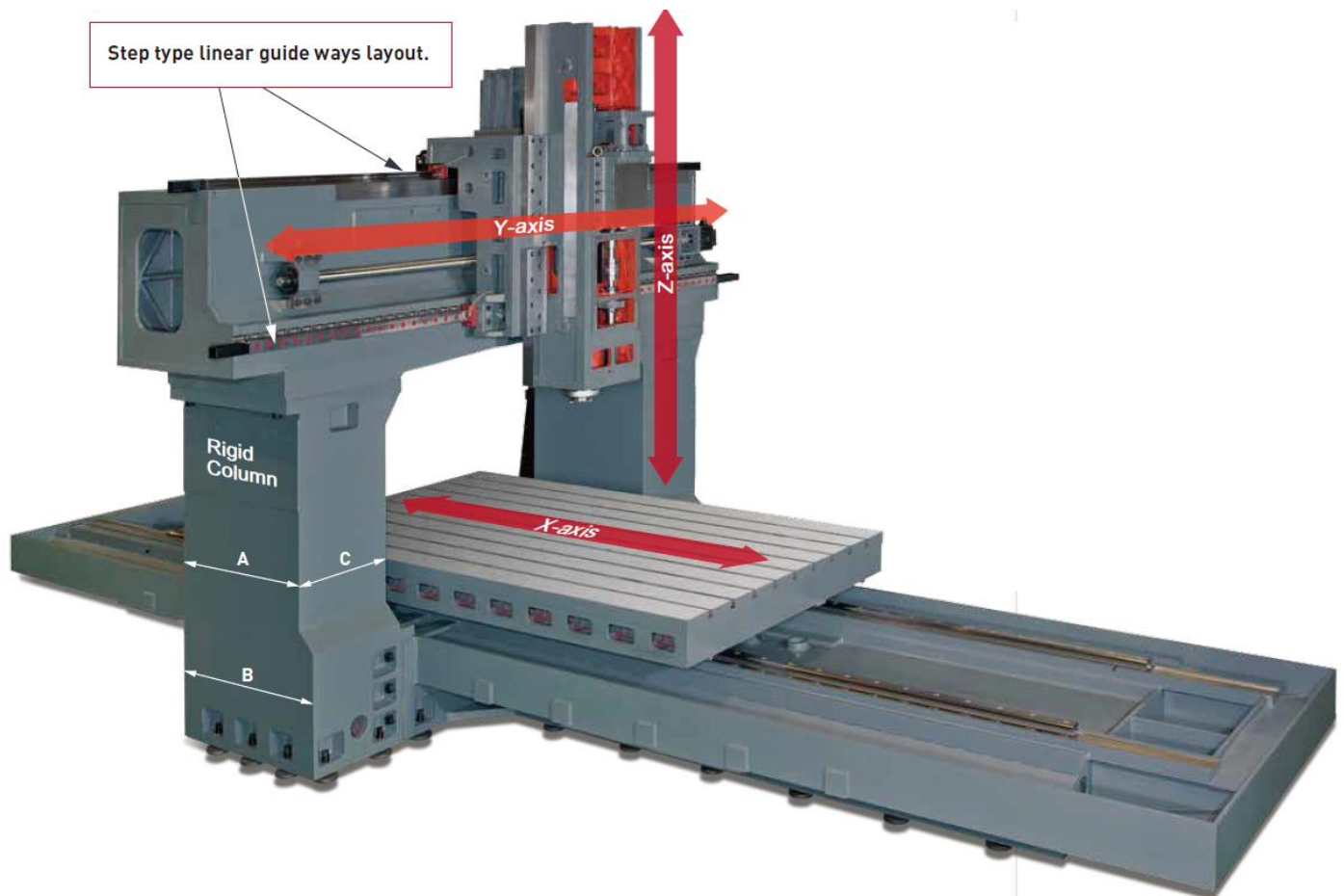
970mm long saddle support on head stock

Two M65 roller type linear guide ways on Y-axis with two blocks on each linear guide way.

Z-axis

Box ways

Heavy duty-designed and rigid column: A 900mm, B 1000mm, C 480mm



**SPECIFICATIONS**

Table

Table size	3000 x 1500mm
T-slots	22
Maximum load capacity	9000kg

Travel

X-axis	3200mm
Y-axis	2300mm
Z-axis	1000mm

Spindle

Spindle taper	CAT #50
Spindle servo motor	15/18.5kW
Maximum spindle speed	8000 rpm

Distances

Between columns	1800mm
From spindle nose to table top	from 200mm to 1200mm

Feed Rates

Rapid X/Y/Z/W axis	15m/15m/12m per minute
Cutting X/Y/Z/W axis	8m/8m/8m per minute
Minimum increment	0.001mm

Automatic Tool Changer

Number of tool pockets	40
Maximum tool diameter with adjacent tools	125mm
Maximum tool diameter without adjacent tools	200mm
Maximum tool length	350mm
Maximum tool weight	15kg

Coolant & lubrication

Coolant tank capacity	450l
Hydraulic oil tank capacity	70l
Lubrication oil tank capacity	8l

Miscellaneous

Power required	50kVa
Compressed air	7kg/cm <sup>2</sup>
Hydraulics	70kg/cm <sup>2</sup>
Machine weight	25000kg



### **STANDARD & INCLUDED ACCESSORIES**

- Fagor 8065 fully conversational control with 15" High resolution color LCD monitor
- \*glass window type splash guarding
- \*20bar (300psi) through the spindle coolant system
- \*40 position horizontal and vertical automatic tool change
- programmable coolant system
- water/air gun for part/table cleaning with separate water pump
- automatic lubrication system
- spindle air blast
- work light
- status alarm/dwell/end of job light
- leveling bolts & pads
- chip auger & chain type chip conveyor
- tool box with spanners & wrenches
- manual pulse generator (M.P.G. = electronic hand wheel)
- machine inspection lists
- operator manual
- control manuals + circuit diagram
- auto power off
- RS-232C interface
- USB interface
- spindle coolant system
- hydraulic system
- air conditioner for electrical cabinet

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## **TERM AND CONDITIONS**

Prices shown are in US funds.

The above pricing is F.O.B. Masteel

Taxes are extra.

CSA approval is included in the pricing.

### **The payment terms**

30% with order, 60% on delivery and 10% 30 days after delivery.

### **Warranty**

One (1) years on parts & labor.

### **Delivery**

5-7 months from the date of order acceptance by Masteel America Corporation, subject to confirmation at the time of ordering.

#### **\*CUSTOMER'S RESPONSIBILITY**

- Off load the truck
- Provide all lifting equipment to move machine into place for assembly
- Foundation per requirements
- Power to machine
- Hydraulic + way lube oil plus coolant fluid for this machine

#### **\*MASTEEL'S RESPONSIBILITY**

Masteel will assemble / level the machine on the customer's shop floor and anchor the machine to the customer supplied foundation.

The Masteel service team will complete the machine installation and the accuracy test and provide 1 day of basic machine operating training.

Pre-Start Health and Safety Review (PHSR) is the responsibility of the customer and is not included in the above pricing.

This proposal is valid for thirty (30) days.

We look forward to working with you on this project.

Sincerely,

**MASTEEL AMERICA CORPORATION**