



November 28, 2023

FLAMBORO MACHINE SHOP LTD.

952 Brock Road, RR#4
Dundas, Ontario L9H 5E4

Attention: Darren McLellan / 905.659.0404 / darren@flamboromachineshop.ca
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U'CHINE UDM-3218E DOUBLE COLUMN VERTICAL MACHINING CENTRE

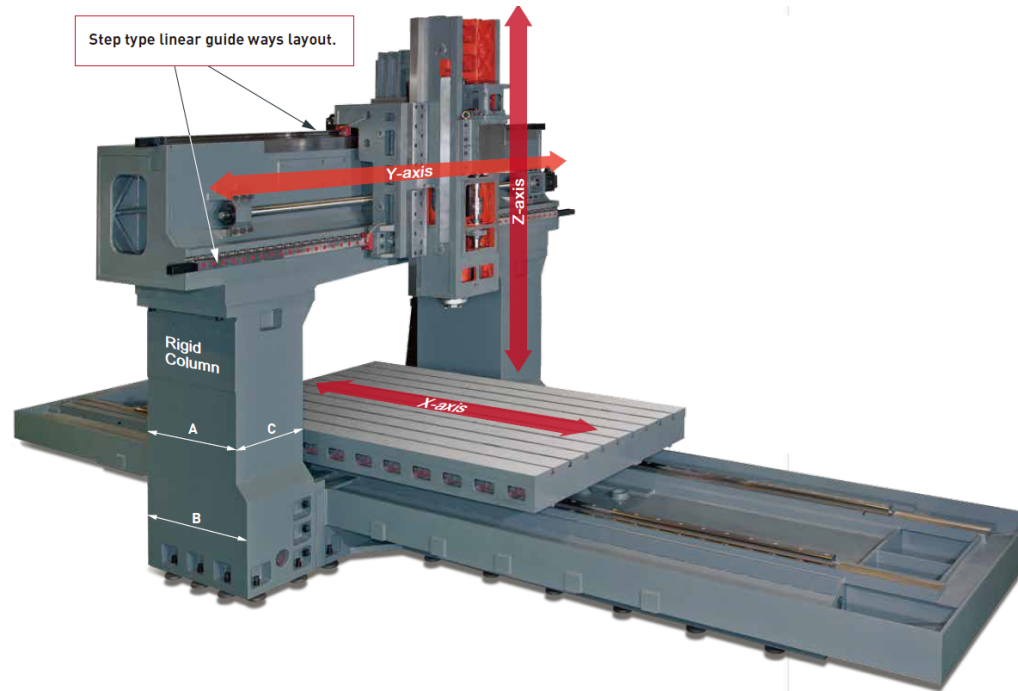
Gentlemen,

Thank you for the opportunity to quote the **U'CHINE UDM-3218E DOUBLE COLUMN VERTICAL MACHINING CENTRE** for your shop in Dundas, Ontario.



masteel.ca

7490 MacDonald Road, Unit 120, Delta, British Columbia V4G 1N2, 800.913.4434
854 78 Avenue, Edmonton, Alberta T6P 1L7, 780.466.4693
940 Winston Churchill Boulevard, Oakville, Ontario L6J 7X5, 905.845.4434



SOLID - ENGINEERED STRUCTURE

- one piece casting structure for cross beam, column and bed way
- guide way design:
 - X-axis
 - two (2) 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 (2) 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 / t-slots 3000 x 1500mm (118.1" x 59") / 22
maximum load capacity 9000kg (19,841 lbs.)

TRAVEL

X-axis 3200mm (126")
Y-axis 2300mm (90.5")
Z-axis 1000mm (29.9")

SPINDLE

spindle taper #50
spindle servo motor 15/18.5kW (20/24.8 hp)
maximum spindle speed 8000 rpm

DISTANCES

between columns 1800mm (70.8")
from spindle nose to table top from 200mm to 1200mm (from 7.87" to 47.2")

FEED RATES

rapid X/Y/Z axis 15m/15m/12m/minute (590"/590"/472"/minute)
cutting X/Y/Z axis 8m/8m/8m/minute (315"/315"/315"/minute)
minimum increment 0.001mm

AUTOMATIC HORIZONTAL/VERTICAL TOOL CHANGER

number of tool pockets 40
tool change time 8 second
maximum tool diameter with adjacent tools 125mm (4.92")
maximum tool diameter without adjacent tools 200mm (7.87")
maximum tool length 350mm (13.78")
maximum tool weight 15kg (33 lbs.)

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COOLANT & LUBRICATION

coolant tank capacity
hydraulic oil tank capacity
lubrication oil tank capacity

450l
70l
8l

MISCELLANEOUS

power required
compressed air
hydraulics
machine weight

50kVa
7kg/cm²
70kg/cm²
25000kg (55,115 lbs.)

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STANDARD + INCLUDED EQUIPMENT

- Fagor 8065 fully conversation control with 15" high resolution colour LCD
- 40 position automatic horizontal/vertical tool changer
- 90° automatic index angle milling head with automatic head changer
 - automatic head exchange
 - auto 5° index with booster cylinder
 - 3500 rpm 1000Nm
 - hydraulic tool clamp/unclamp
- 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
- double 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
- hydraulic system
- air conditioner for electrical cabinet
- 1,000 psi through spindle high pressure coolant system
- full enclosure splash/chip guarding including rooftop
- Aeroex ARO-2000 multi-stage mist collector



scan qr code for video link



PRICING

U'CHINE UDM-3218E DOUBLE COLUMN VERTICAL MACHINING CENTRE: \$478,700 US

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TERMS AND CONDITIONS

The pricing

The shown pricing is in US Dollars F.O.B. Masteel Oakville warehouse. Applicable taxes are extra. CSA approval is included in the pricing. Financing is available on approved credit.

The payment terms

30% with order, 60% before pick-up, 10% 30 days after delivery.

Warranty

Twelve (12) months.

Delivery

3-4 weeks, subject to prior sale.

Customer's responsibility

Provide a single concrete slab level foundation per the machine foundation requirements, pick-up the machine from the Masteel Oakville warehouse, off-load and place the machine at the customer's shop, provide power to the machine and hydraulic + way lube oil plus coolant.

Masteel's responsibility

Assemble / level the machine on the customer's shop floor, complete the machine installation and accuracy test and one day of basic machine operator training.

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

Please note that this quote is subject to change without notice.

Sincerely,

MASTEEL AMERICA CORPORATION

Ron Nater
Manager, Eastern Canada



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