

April 23, 2024

ORLICK INDUSTRIES

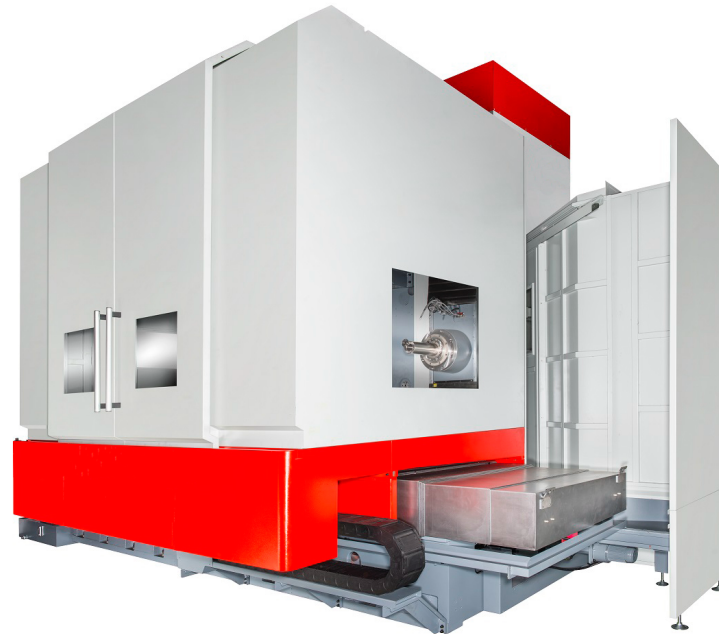
359 Millen Road
Stoney Creek, Ontario L8E 2H4

Attention: Bob McCallion / 905.664.3990 extension 234 / bob.mccallion@orlick.on.ca

U'CHINE UBM-11032RT T-TYPE CNC HORIZONTAL BORING & MILLING MACHINE

Dear Bob,

Thank you for the opportunity to quote a **U'CHINE UBM-11032RT T-TYPE CNC HORIZONTAL BORING & MILLING MACHINE** for your facilities in Stoney Creek, Ontario.



The **U'CHINE UBM-11032RT CNC HORIZONTAL BORING & MILLING MACHINE** offers:

- Movable column construction with T-shape base.
- Minimum deflection of the spindle extension (W-axis).
- 0.001° direct drive CNC rotary table with simultaneous contouring control.
- Table size 1400 x 1600mm.
- Two box ways on the X-axis.
- Two box ways on the Y-axis with counter-balance weight.
- Three M65 roller type linear ways on the Z-axis with four blocks on each way.
- Linear scales on the X, Y and Z axis.
- Sixty station tool magazine.



RIGID POWERFUL SPINDLE HEAD

- The spindle head is reinforced with cage-shape ribs for increased rigidity.
- The spindle head integrates a U'Chine made gearbox in combination with a German gearbox with 1:8 teeth ratio, providing greater torque output in heavy cutting.

MACHINE SPECIFICATIONS:

ROTARY TABLE

table size	1400 x 1600mm (55.1" x 63")
maximum load capacity with 0.001° indexing	12000kg (26,455 lbs.)
maximum load capacity with B-axis contouring	10000kg (22,046 lbs.)
minimum indexing increment	0.001°

TRAVEL

X-axis	3200mm (126")
Y-axis	1800mm (70.9")
Z-axis	1700mm (67")
W-axis	500mm (19.68")

SPINDLE

diameter	110mm (4.33")
taper	CAT#50
speed range	from 10 to 4000 rpm
maximum power	18.5kW (24.8 hp)

DISTANCES

spindle centre to table top	from 0 to 1800mm (from 0" to 70.9")
spindle nose to table centre	from 0 to 2200mm (from 0" to 86.6")
height from ground to table surface	1235mm (48.6")



FEED RATES

rapid X/Y/Z/W axis	10m per minute (394" per minute)
cutting X/Y/Z/W axis	5m per minute (197" per minute)
minimum increment	0.001mm (0.0000394")

AUTOMATIC TOOL CHANGER

number of tools	60
tool change time	15 seconds
maximum tool diameter with full adjacent pocket	125mm (5")
maximum tool diameter with empty adjacent pocket	250mm (9.84")
maximum tool length	400mm (15.75")
maximum tool weight	25kg (55.1 lbs.)

COOLANT + LUBRICATION

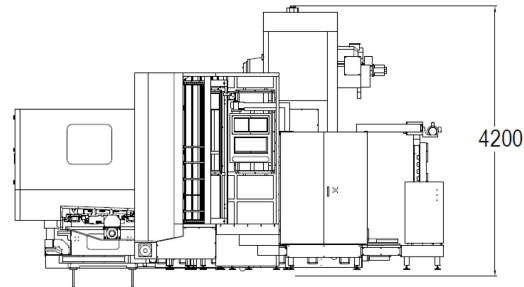
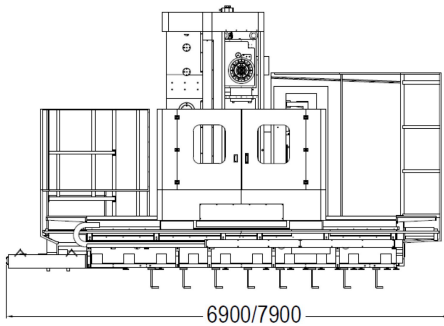
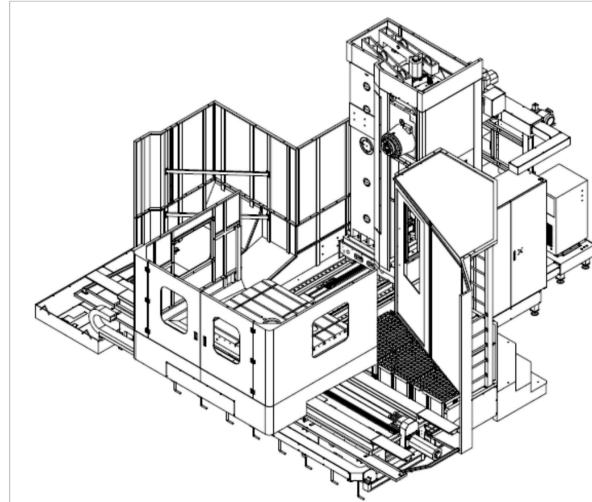
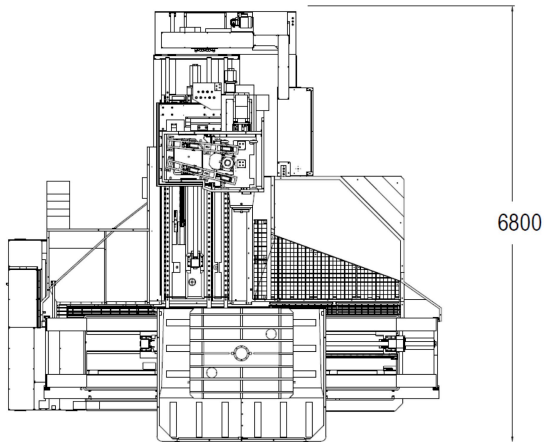
coolant tank capacity	400L (105 US Gallon)
hydraulic tank capacity	80L (21.1 US Gallon)
lubrication tank capacity	8L (8.5 US Gallon)

MISCELLANEOUS

power required	400V / 3 phase / 55kVa
pressurized air	6kg/cm ²
machine length x width	6900 x 6800mm (271.65" x 267.72")
machine weight	30000kg (66,139 lbs.)

LAYOUT DIMENSIONS

UBM-11032RT /UBM-11042RT





STANDARD & OPTIONAL INCLUDED EQUIPMENT

- Fagor 8065 control*
- linear scales on X/Y/Z axes
- spindle oil cooler
- automatic power off
- coolant system
- through spindle coolant system
- full enclosure, chip/splash guard
- lubrication system
- alarm light
- work light
- portable electronic hand wheel
- RS232C interface
- USB interface
- heat exchanger
- Renishaw RMP60 + RTS wireless tool / work measuring probe system
- chip conveyor + cart
- leveling bolts + pads
- operation manual, control manual, circuit diagram
- machine inspection list
- tool box
- spindle extension sleeve
- full enclosure splash/chip/safety guarding



***FAGOR 8065 CONTROL WITH 15" HIGH RESOLUTION COLOUR LCD MONITOR**


- RS232 / Ethernet / USB interface ports
- collision detection
- retrace function
- 200 user definable M functions
- feedrate in inverted function of time
- linear/helical/circular/cylindrical/polar coordinates
- mirror image, scaling, coordinate rotation
- optional telediagnosics for remote monitoring
- custom macro programming
- g-code programming with on-screen help feature
- DXF file upload for conversational programming cycle
- tool life monitoring + tool inspection
- simulation with execution time estimate
- back ground programming + editing
- optional stop/block skip function
- 2GB program capacity with 2GB compact flash memory
- high speed machining mode with up to 200 blocks look-ahead, 1 ms block processing time
- engraving in X/Y plane + engraving along 4th axis rotary axis in Y/A plane if 4th axis is installed
- additional 20 offsets, unlimited programmable offsets within program
- g-code generation through icon based conversational programming including 3D pocket with island
- automatic tool length calibration finds the tool length automatically
- inside/outside taper threading/boring cycle
- Masteel quick helical taper boring or helical taper threading interpolation programming
- free off-line programming software on the customer's computer
- Fagor remote support program (allowing Fagor to remotely connect to your machine through [TeamViewer](#) to assist in "machine-down" diagnostics, trouble shooting tooling problems and provide programming assistance - all at no charge during the warranty period)

U'CHINE UBM-11032RT SPECIAL PACKAGE PRICE: US \$445,800

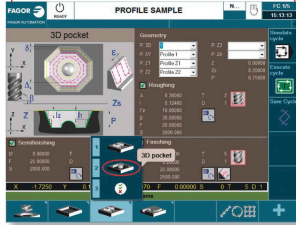
FAGOR CONVERSATIONAL PROGRAMMING FEATURES:

We Made It 1-2-3-4 EASY!

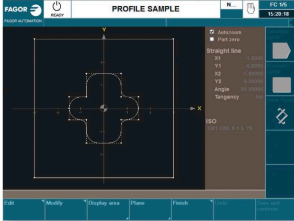
1
 Select your cycle of choice



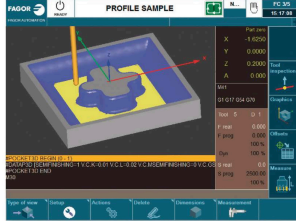
2
 Fill in the cycle variables directly from blueprint in seconds



3
 Create your Profile if necessary instantly




4
 Simulate or Execute utilizing HD Graphics



You can choose from a number of predefined cycles, from SIMPLE to the most COMPLEX: Pocket Milling, Facing, Profile Milling, Boss, Drilling, Tapping Boring...and many more for Milling. Facing, Turning, Taper, Grooving, Threading, Profiling...and many more for Turning.

Fagor Automation...Adapting to your World



fagorautomation.us
 Chicago | Dallas | Florida | Los Angeles | Montreal | Atlanta | Toronto

For more information: 800-4A-FAGOR or info@fagor-automation.com

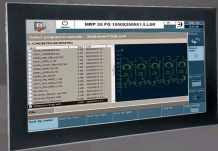


CNC Systems | Digital Servo Motors & Drives | Feedback Systems | DRO Systems | Motion Control Systems

FAGOR 8065 REMOTE SUPPORT PROGRAM:

FAGOR Remote Support Program

Did you know that a Fagor Automation engineer can remotely connect to your CNC controller and assist in 'machine-down' issue diagnostics, troubleshooting a tooling problem, or even provide programming assistance? This service is free during your system's warranty¹ period, and is now available for a fee (one-time or annual programs are available), for the life of your Fagor CNC Controller.



We're so confident that our engineer can resolve your issues remotely, that we'll give you a 20% discount on any subsequent and required onsite service rates if we can't fix it remotely.²

Post Warranty Remote Support Pricing

One-Time Only Agreement

There will be a connection fee of \$100 CAD, which includes one hour of service/support. Each additional hour will be billed at \$60 CAD...there is a 2-hour minimum.

Ongoing/Annual Agreement

There will be a monthly recurring payment of \$80 CAD for a single machine, \$130 CAD for 2 machines, \$180 CAD for 3 machines, or \$220 CAD for 4 machines, at a single site (for more than 4 machines at a single site, please contact Fagor service for Special Pricing). This will include 2 support sessions per month, per machine, with a maximum of 4 hours support, per session. Additional hours of support will be billed at \$60 CAD. All software updates and upgrades (where possible) will be free for any machine(s) under an annual remote service agreement. Sessions are non-transferrable to other machines...support is tied to the registered serial number(s).

Contact: Fagor Service Department
Phone: (905) 670 7448
Email: service@fagorautomation.on.ca

Request Fagor Remote Support

Company Name: _____

Primary Site Address: _____

Fagor CNC Controller: 8060 8065 8070

Machine Type: Mill Lathe VMC Other

Programming: G-Code Conversational

Number of Machines under Agreement: _____

Duration of Agreement: One-Time Only

Ongoing/Annual Agreement

Payment Method: Fagor Account Terms

Credit Card: VISA MasterCard

Contact Person: _____

Phone: _____

Email: _____

¹ Warranty period for domestically purchased CNC systems is 2 years from registration date. Warranty for imported machines is 1 year from completion of the install.

² Requires current enrollment in an online service agreement. Normal service rate pricing will apply, to obtain 20% discount. No other discounts will apply. Discount applies to labor hours only. Travel hours will be billed accordingly, without discount. Travel expenses, hotel accommodations, rental car, etc. will be billed at actual costs.

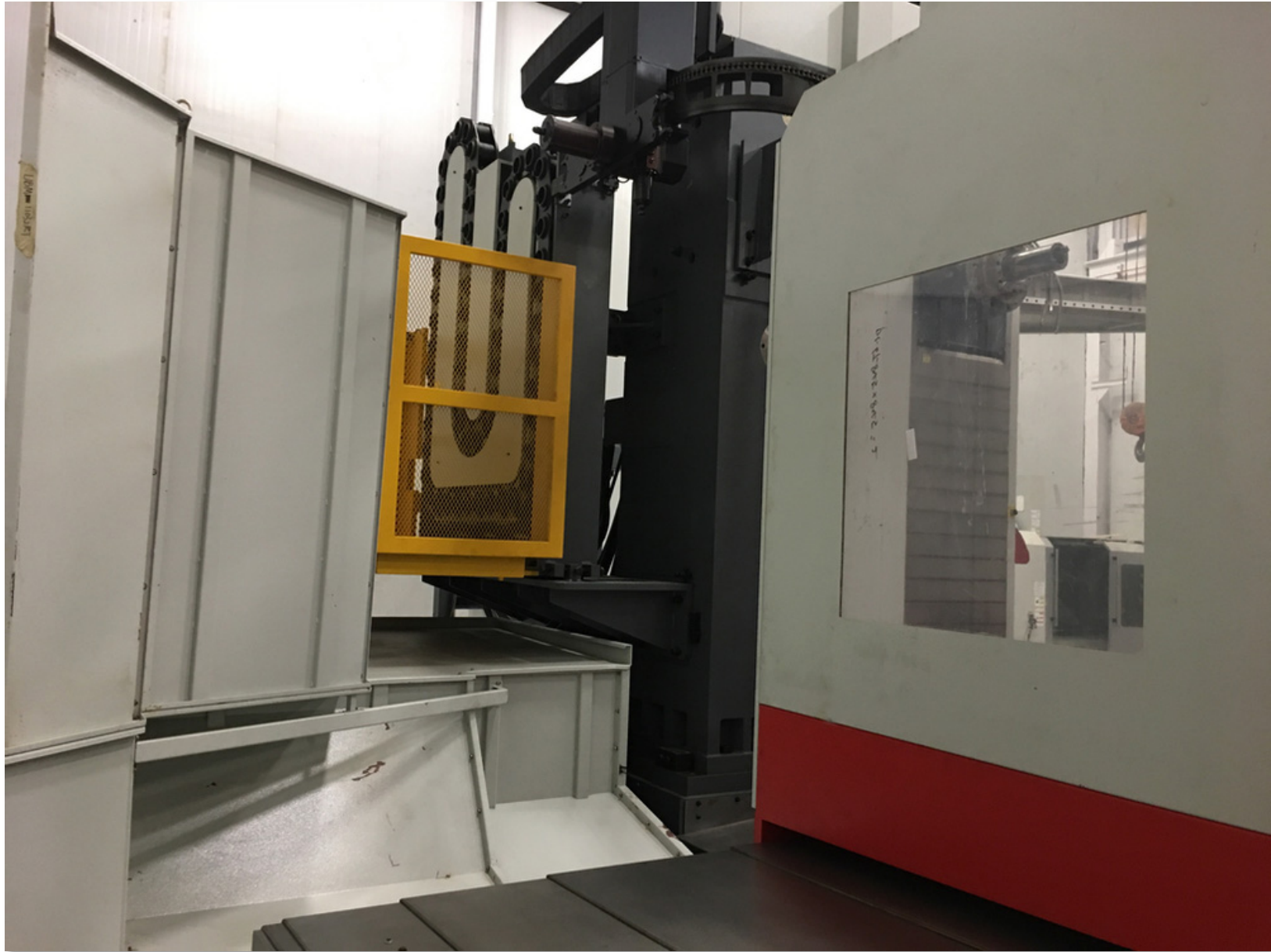
STOCK U'CHINE UBM-11032RT CNC HORIZONTAL BORING & MILLING MACHINE PICTURES























TERMS AND CONDITIONS

The pricing

The shown pricing is in US Dollars F.O.B. Masteel Oakville, Ontario, Canada warehouse and *only applies to the quoted stock machine*. Applicable taxes are extra. CSA approval is included in the package price. Lease + capital financing is available on approved credit.

The payment terms

30% with order, 70% before pick-up.

Warranty

Twelve (12) months.

Delivery

Stock, *subject to prior sale*.

Customer's responsibility

Provide a single concrete slab level foundation per the machine foundation requirements, power to the machine by a certified electrician and hydraulic + way lube oil plus coolant for the machine.

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

647.270.4434 / ron@masteels.com / www.ronnater.ca

