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AFFINITY MANUFACTURING LTD.

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Attention: Mr. Alex Chen / 604.591.6667 extension 218 / alex@machining.ca

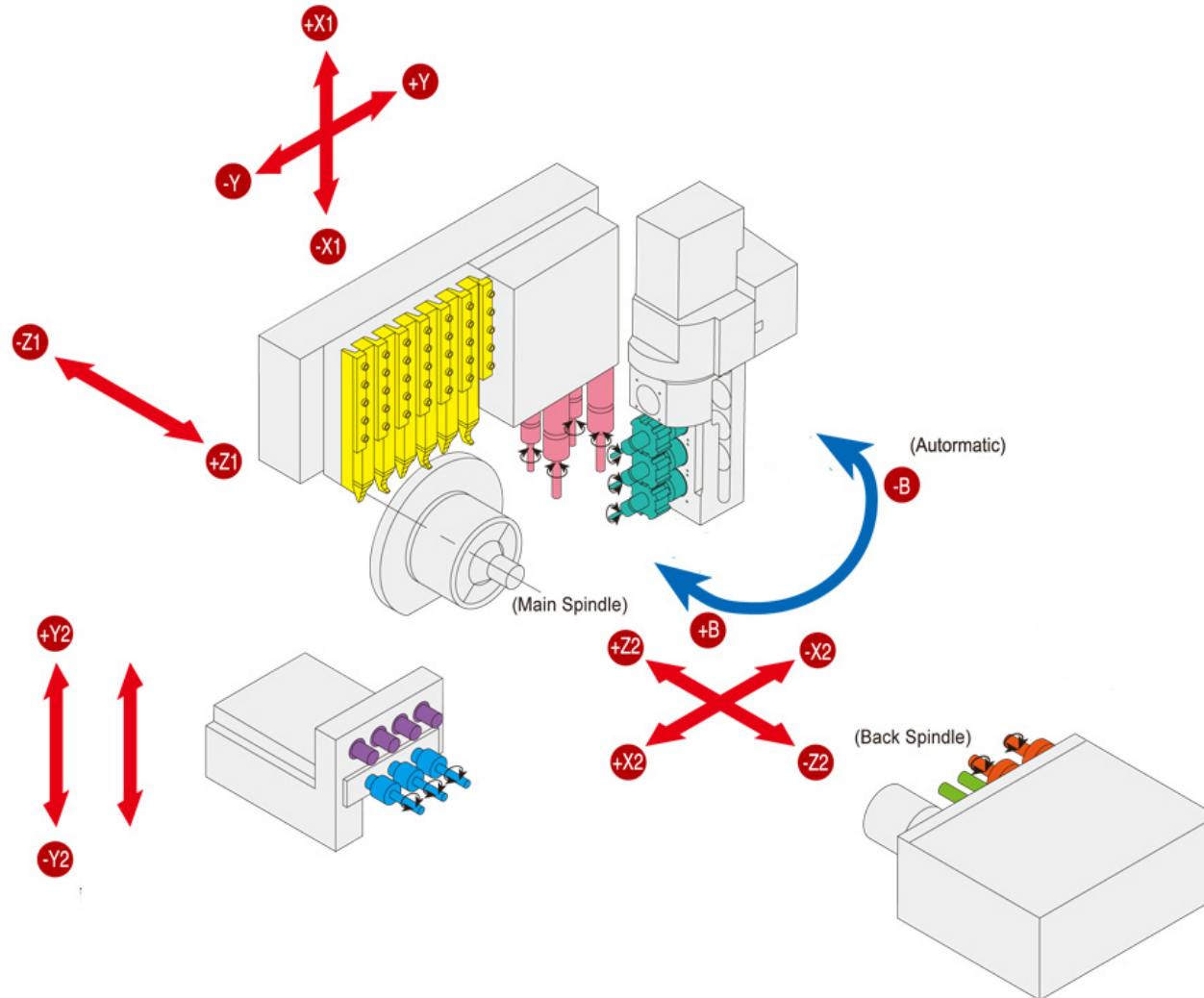
PO LY GIM DIAMOND 42 CSL SWISS TURNING CENTRE

Dear Alex,

Thank you for the opportunity to quote the following **PO LY GIM DIAMOND 42 CSL SWISS TURNING CENTRE**.



AXIS SYSTEM WITH OPTIONAL 3 OR 6-STATION 90° ROTARY B-AXIS SYSTEM



WORKING RANGE

maximum turning diameter	42mm
maximum machining length per chucking	250mm
maximum drilling diameter	26mm
maximum tapping diameter	M16

TOOLING SYSTEM

o.d. tooling	6
o.d. tool dimensions	16 x 16 x 120mm
front i.d. tooling	2
front i.d. tool dimensions	13mm (ER20)
back i.d. tooling	4
back i.d. tool dimensions	13mm (ER20)
cross tooling	5
cross tool dimensions	13mm (ER20)
cross tool speed	200 - 6000 rpm

MAIN SPINDLE

spindle hole diameter	42mm
spindle speed	200 – 5000 rpm
CS-axis indexing	0.001°

BACK SPINDLE

spindle hole diameter	42mm
spindle speed	200 - 6000 rpm
C-axis indexing	0.001°
maximum length for front ejection	70mm
maximum workpiece projection length from the back spindle	120mm
maximum back drilling diameter	16mm
maximum back tapping diameter	M12

RAPID FEED RATE

X1/Z1/Y1/X2/Z2/Y2-axis rapid feed rate 30m/minute

MOTORS

main spindle motor	30kW
back spindle motor	2.2kW
X1/Z1/Y1/X2/Z2-axis motor	1.2kW
Y2/B-axis motor	0.75kW
cross driven spindle motor	2.2kW
bevel driven spindle motor	2.2kW
back off-centre driven spindle motor	0.75kW
coolant pump	0.75kW x 2
lubrication	4w x 2

MACHINE DIMENSIONS

centre height	960mm
machine weight	4650kg
machine size	3030 x 1810 x 1980mm

AIR

air pressure	5kg/cm
air supply	10L/minute

STANDARD + INCLUDED EQUIPMENT

- Mitsubishi M80 control
- main spindle with built-in motor
- sub-spindle with belt type motor
- CS-axis (0.01° indexing) for main spindle
- C-axis (0.06° indexing) for sub-spindle
- Y1-axis for main spindle
- Y2-axis for sub-spindle
- part-off detection sensor
- coolant system
- work light
- part catcher
- live bushing
- rough material bushing
- five (5) station o.d. turning tool holder
- two (2) station i.d. stationary tool holder
- four (4) station back i.d. stationary tool holder
- five (5) station Evermore cross working driven tool holder
- two (2) station front off-centre drilling tool holder
- three (3) station back off-centre drilling tool holder
- one (1) Evermore front/back working driven tool holder (interchangeable with the following thread whirling tool holder)
- one (1) Evermore thread whirling tool holder (interchangeable with the above front/back working driven tool holder)
- one (1) station i.d. stationary tool holder
- chip conveyor and bucket
- two (2) lubrication upgrades to microcomputer
- eight (8) sets of m-codes and relay board with eight (8) relays
- interlocking door switch
- temperature detection
- electronic control manual

THE PRICING

PO LY GIM DIAMOND 42 CSL SWISS TURNING CENTRE **\$218,600 US**

OPTIONAL EQUIPMENT*

90° B-AXIS BEVEL MILLING / DRILLING SYSTEM WITH THREE (3) TOOL HOLDERS **\$18,500 US**

90° B-AXIS BEVEL MILLING / DRILLING SYSTEM WITH SIX (6) TOOL HOLDERS **\$20,400 US**

FEDEK SUNNY 542 S2 3.7M AUTOMATIC MAGAZINE BARFEEDER FROM 5 TO 42MM CAPACITY **\$18,200 US**

**If purchased and shipped together with the Po Ly Gim Swiss turning centre from Po Ly Gim's Taiwan factory to Masteel's Vancouver warehouse.*

TERMS AND CONDITIONS

The pricing

The shown pricing is in US funds and is F.O.B. truck loaded at Masteel's warehouse in Delta, British Columbia. Applicable taxes are extra. CSA approval is included in the pricing.

The payment terms

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

Warranty

Machine: twelve (12) months, Mitsubishi control / drives / motors: thirty-six (36) months.

Delivery

Fourteen (14) months from the date of purchase order acceptance by Masteel, subject to confirmation at the time of purchase.

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 fluid 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.

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

Sincerely,

MASTEEL AMERICA CORPORATION

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