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RICCI MACHINE MANUFACTURING LTD.

1905 Albion Road
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MAXCUT LD-65 MILL-TURNING CENTRE
WITH 1020MM TURNING LENGTH

Dear Dino,

Thank you for the opportunity to quote the **MAXCUT LD-65 MILL-TURNING CENTRE** for your shop in Etobicoke, Ontario.





THE MAXCUT LD-65 TWIN SPINLE SINGLE TURRET SLANT BED MILL-TURNING CENTRE FEATURES

Flexible, Efficient and Productive

The Maxcut LD-65 turning centre is capable of multi-axis turning and milling as it is well equipped with opposed C-axis twin spindles and an orthogonal Y-axis rotary tool turret to produce high accuracy parts. In addition this multi-functional mill-turning centre is ready to be implemented for automation. The automatic tool setter and available workpiece probe system with its accessories allow further set-up for automated operation to reduce intensive labour costs.

This high quality twin spindle mill-turning centre can not only perform complex machining in a single set-up but is also ideal for tasks requiring time-consuming loading as it substantially increases efficiency and productivity while meeting the diversified task requirements of high production.

Structure: designed for stability

- one piece meehanite cast base
- strategically ribbed bed for maximum stiffness
- 30 degree slant bed for easy chip disposal
- headstock design with optimal heat dissipation
- compact design with small floor space requirement
- spacious turning/machining area
- automation-ready

Tool Turret: reliable and rapid indexing

To optimize the efficiency and utilization the servo tool turret offers twelve (12) stations for stationary or power driven rotary tool holders.

Opposed Twin Spindles: high production for complex turning/machining

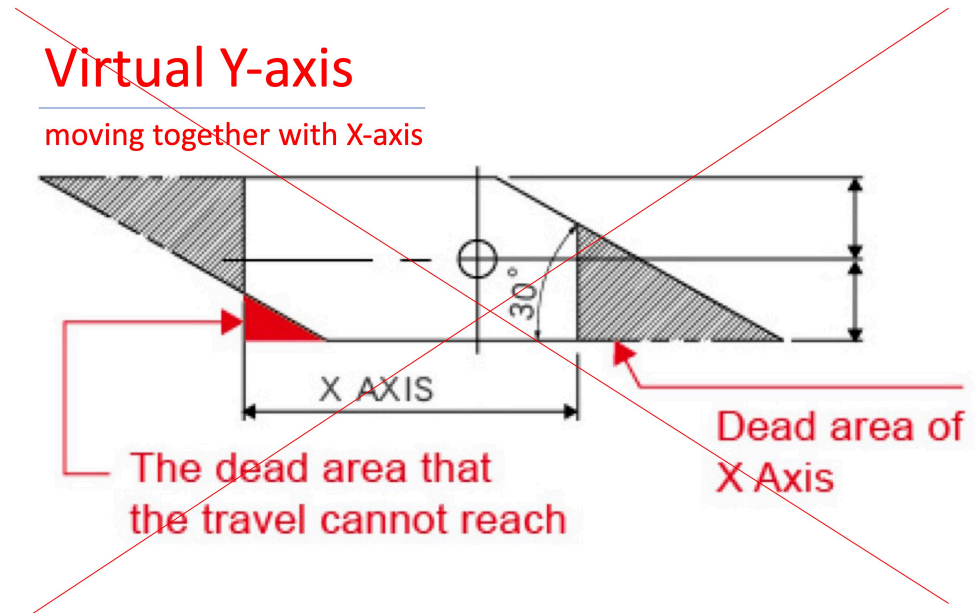
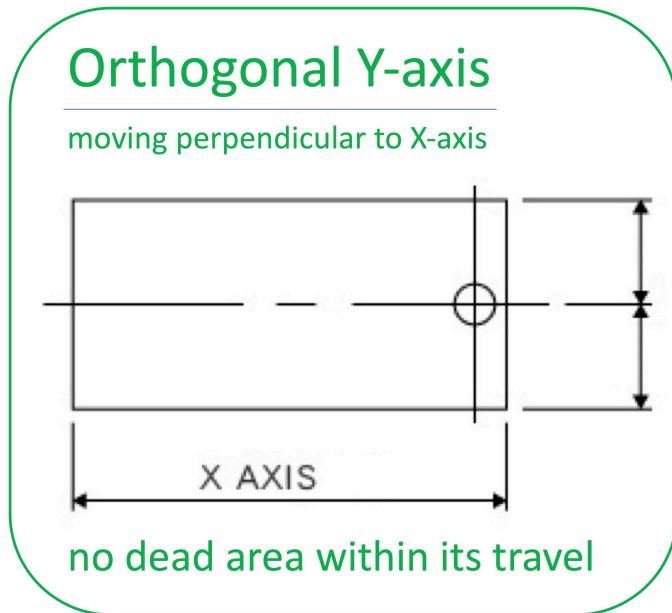
Twin spindle turning/machining increases productivity by reducing part handling. The C-axis function on the opposed twin spindles offer unlimited rotational positioning to allow complex contour machining. The cartridge type spindles are easy to replace in the event of failure and/or needed repair. Four angular bearings can simultaneously accept both radial and axial loads.

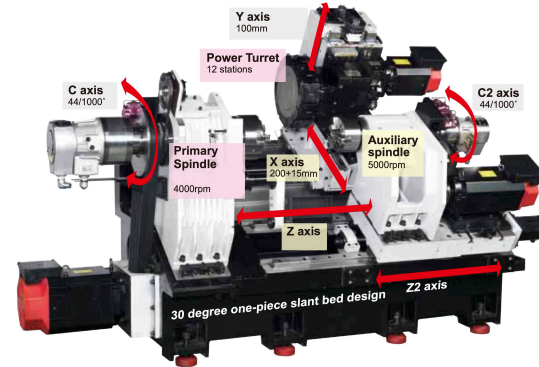
Guide Ways

Heavy duty linear guide ways on the X/Z1/Z2-axes support high stability and high precision during high speed turning/machining. Box ways on the Y-axis ensure high machining stability.

Orthogonal Y-axis

The orthogonal Y-axis travels perpendicular to the X-axis for full area machining (while most other machine brands offer a virtual Y-axis rotary tool turret on their turning centres which leaves dead zones for machining).





CAPACITY

| | |
|--------------------------|--------|
| swing over bed | 650mm |
| swing over cross slide | 380mm |
| maximum turning diameter | 380mm |
| maximum turning length | 1020mm |
| bar capacity | 65mm |
| slant bed angle | 30° |

TRAVEL

| | |
|---------|---------------------|
| X-axis | 2155mm (200 + 15mm) |
| Y-axis | 100mm (±50mm) |
| Z-axis | 1020mm |
| Z2-axis | 1020mm |
| C-axis | 360° |

MAIN SPINDLE

| | |
|----------------------------|----------|
| spindle nose | A2-6 |
| spindle bore | 75mm |
| hydraulic 3-jaw chuck size | 200mm |
| maximum speed | 4000 rpm |
| maximum power | 15kW |

SUB-SPINDLE

| | |
|-----------------------|----------|
| spindle nose | A2-5 |
| spindle bore | 52mm |
| hydraulic 3-jaw chuck | 150mm |
| maximum speed | 5000 rpm |
| maximum power | 11kW |

TOOL TURRET

| | |
|----------------------------|-------------|
| Number of stations | 12 |
| turning tool square shank | 25mm square |
| boring bar capacity | Ø40mm |
| live tool holder interface | BMT55 |
| live spindle power | 3.75kW |
| maximum live spindle speed | 6000 rpm |

AXES

| | |
|-------------------|------------------|
| X-axis ball screw | Ø32m x P10 x C3 |
| X-axis rapid feed | 24m/minute |
| Y-axis ball screw | Ø28mm x P6 x C3 |
| Y-axis rapid feed | 6m/minute |
| Z-axis ball screw | Ø32mm x P10 x C3 |
| Z-axis rapid feed | 24m/minute |

ACCURACY

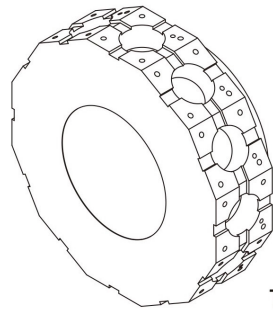
| | |
|----------------------|-------------|
| positioning accuracy | ±0.01/300mm |
| repeatability | 0.01mm |

MISCELLANEOUS

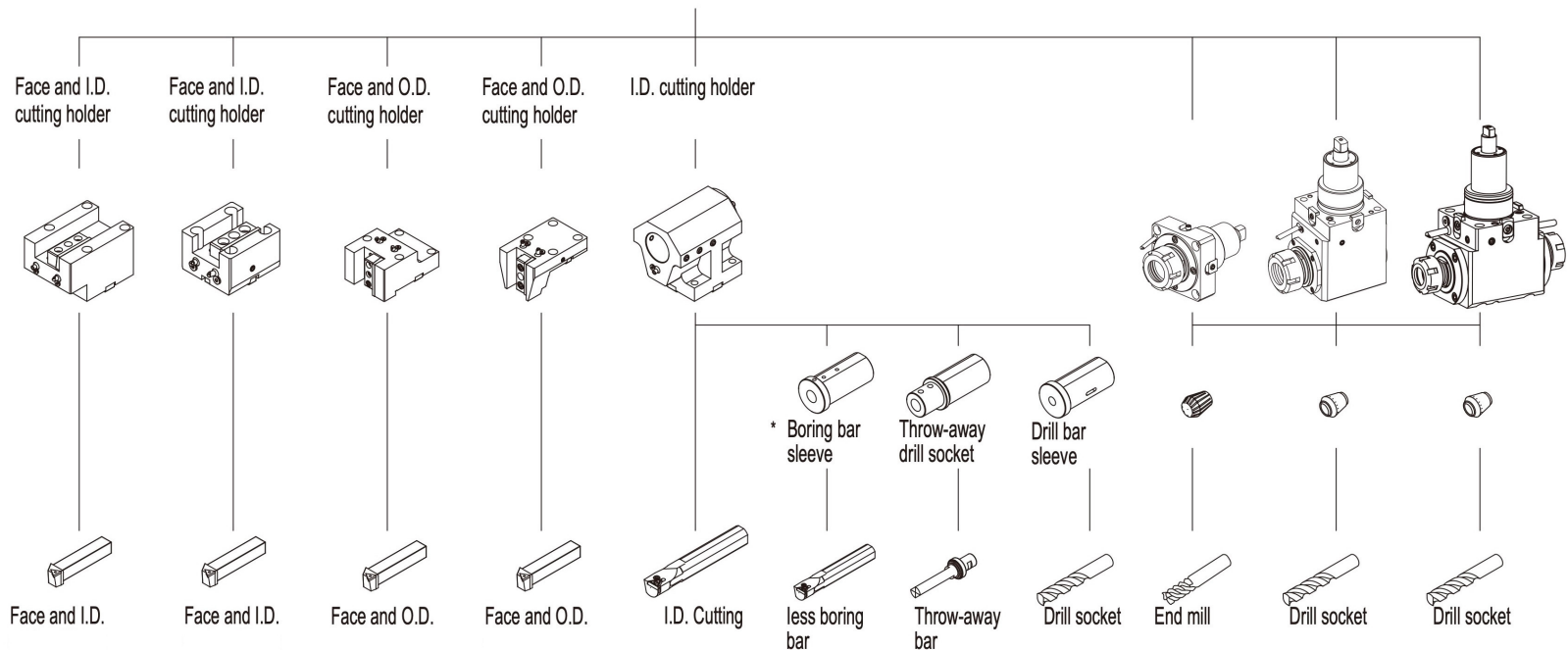
| | |
|--------------------------------------|--------|
| machine length without chip conveyor | 4020mm |
| machine length with chip conveyor | 4485mm |
| machine width | 3135mm |
| machine height | 1950mm |
| machine weight | 6200kg |
| total power consumption | 25kVa |

Tooling System

12-Station BMT-55 Power Turret



Turret head





STANDARD + INCLUDED EQUIPMENT

- Fanuc 0i-TF PLUS control
- 200mm hydraulic 3-jaw main spindle chuck with a set of soft + hard jaws
- 150mm hydraulic 3-jaw sub-spindle chuck with a set of soft + hard jaws
- BMT-55 tooling system
- 20bar coolant through tool system
- heat exchanger for electric cabinet
- auto lubrication system
- work light
- M30 stop light
- hydraulic unit
- fully enclosed splash/chip guarding with interlock safety device
- auto lock/unlock door
- steel belt type lift-up chip conveyor with chip bucket
- Renishaw automatic tool setter
- automatic parts catcher
- bar feed interface
- adjusting tool set in box
- leveling pads
- machine + control operation manuals

THE PRICING

MAXCUT LD-65 x 1020MM TURNING LENGTH MILL-TURNING CENTRE PACKAGE PRICE: \$189,900 US



TERMS AND CONDITIONS

The pricing

The shown pricing is in US Dollars F.O.B. Masteel Delta, British Columbia warehouse. Applicable taxes are extra. CSA approval is included in the pricing. Lease + capital 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

To be confirmed 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 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.

Ontario 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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