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April 4, 2020

A. BERGER PRECISION LTD.
28 Regan Road
Brampton, Ontario
L7A 1A7

Attention: Mr. Richard Harrison

LEADWELL T-7T2SMY TURNING CENTRE

Dear Richard,

Thank you for the opportunity to quote a **LEADWELL T-7T2SMY TURNING CENTRE WITH TOP Y-AXIS ROTARY TOOL TURRET, BOTTOM ROTARY TOOL TURRET AND MAIN + SUB-SPINDLES** for your facilities in Brampton, Ontario.

MOVING COLUMN STRUCTURE

Compared with a general orthogonal Y-axis turning centre the Y-axis with moving column increases the structure size and stability. With the Y-axis under the X-axis slide the total machine height is reduced.

ORTHOGONAL Y-AXIS

90 degree orthogonal Y-axis eliminates blind angles associated with virtual Y-axis for full cutting travel and single axis precision movement and positioning.

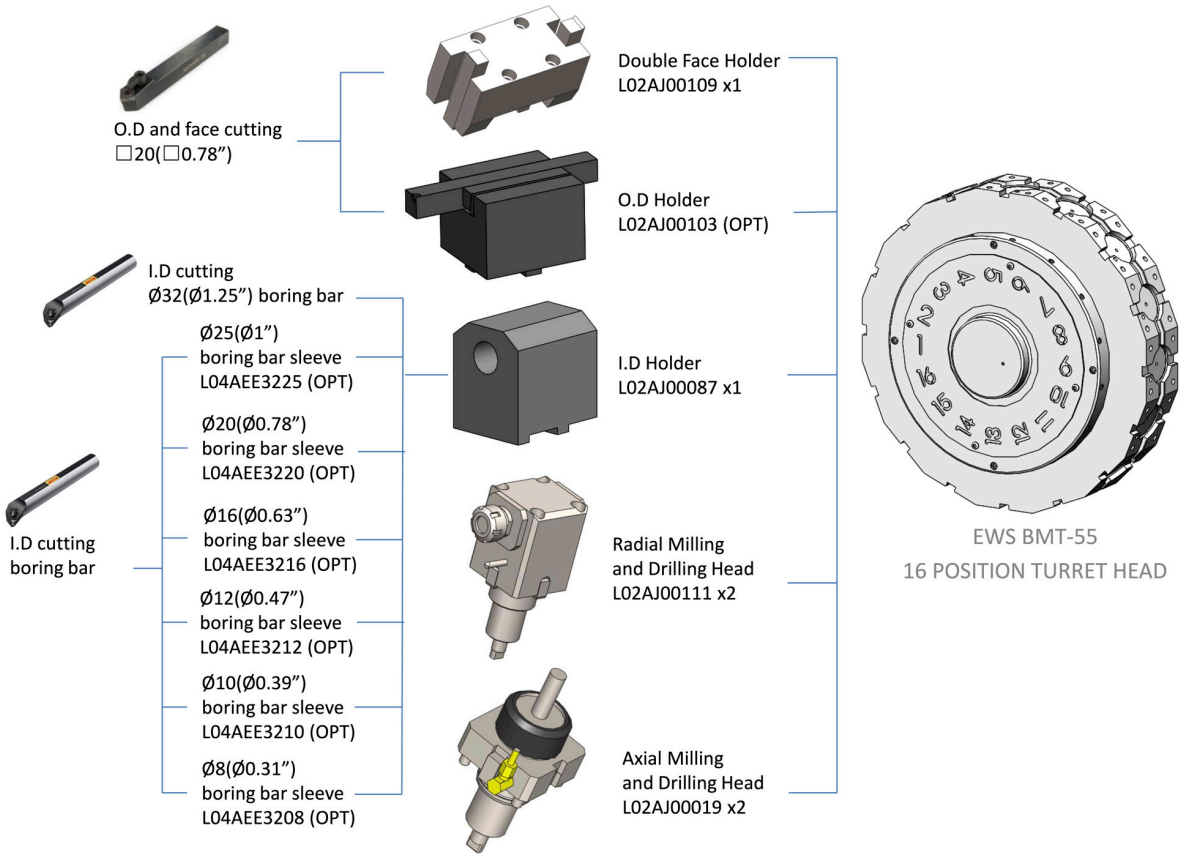
HIGH RIGIDITY SPINDLE HEAD

The machine frame with multiple reinforcement ribs guides the cutting force to the frame base. The built-in spindle motors assure highest accuracy and surface finish.

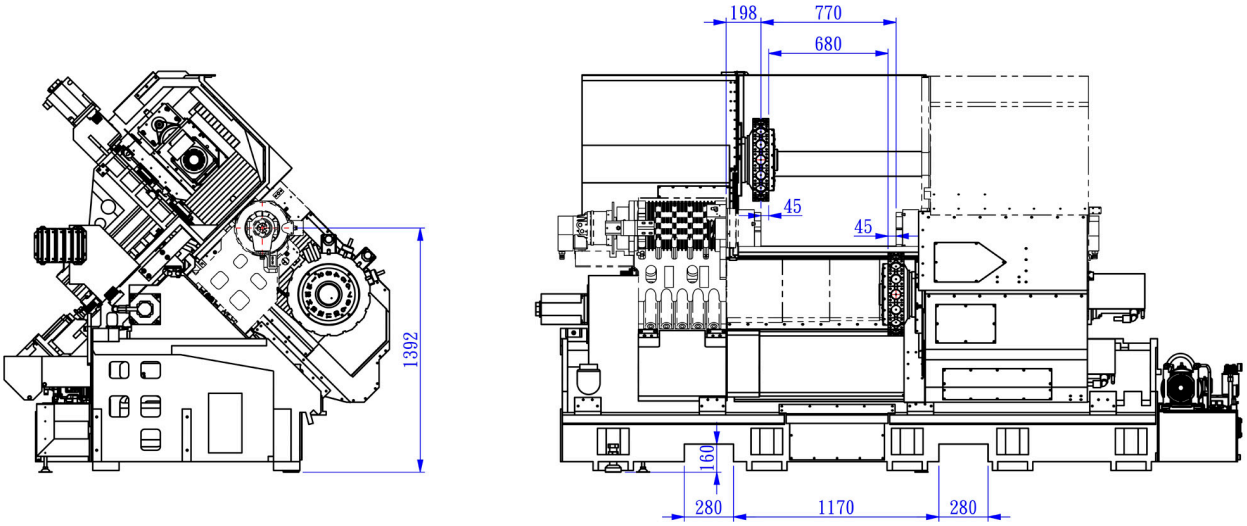
DIRECT AXES DRIVE

The X2 drive is by H.T.D. belt - with the other axes drives by direct motor contact.

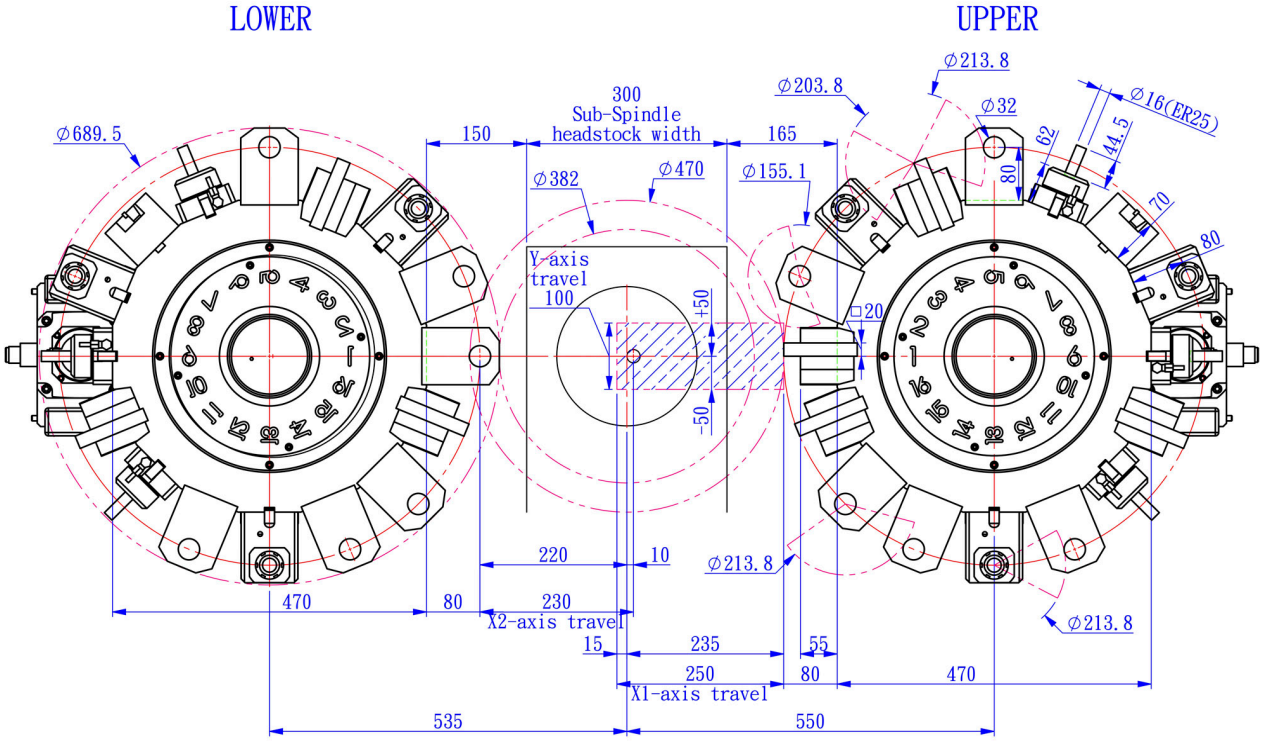
STANDARD TOOLING PER TURRET



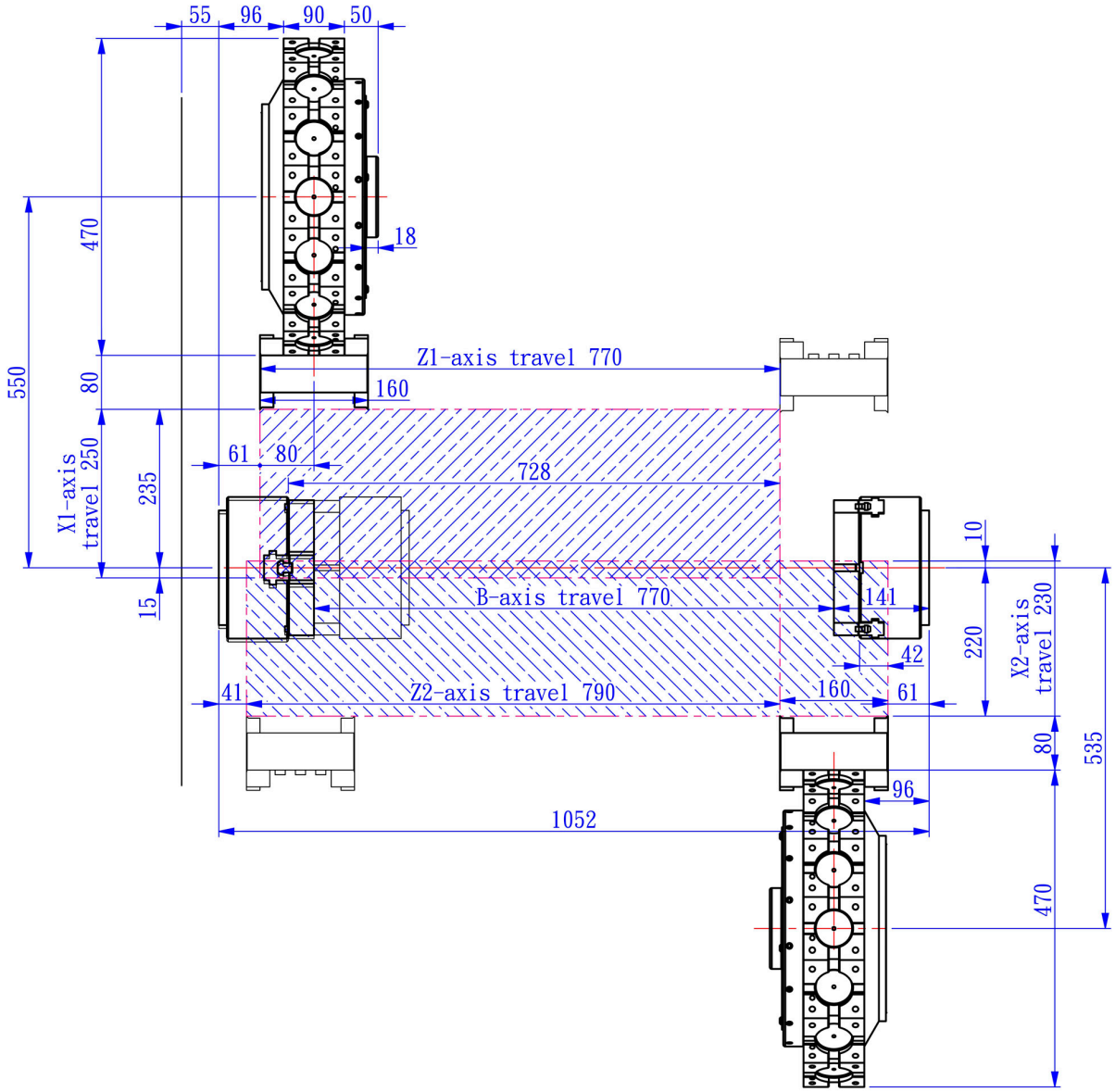
MACHINE LAY-OUT



TOOLING INTERFERENCE

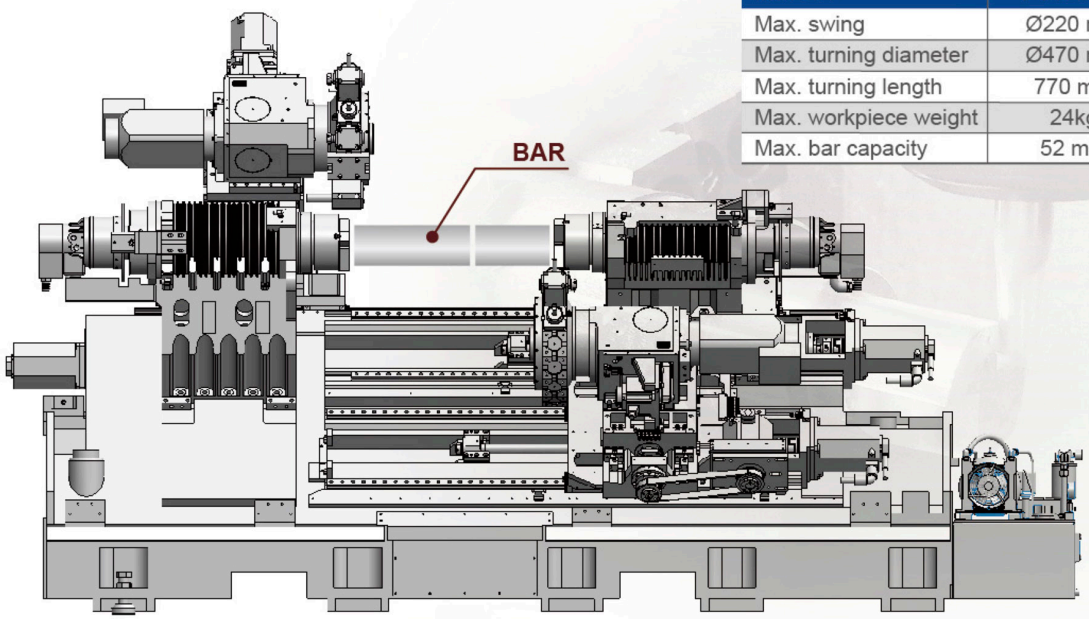


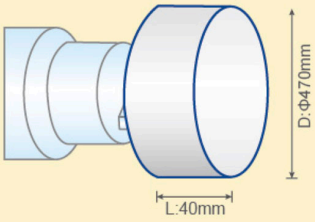
WORK CAPACITY

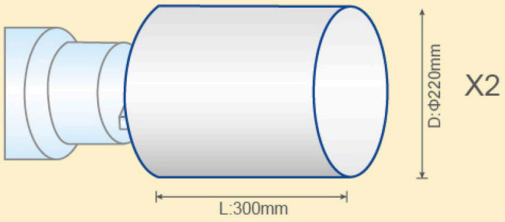


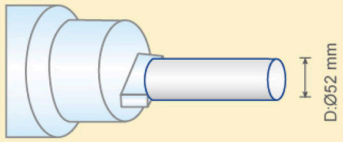
MACHINE CAPACITY

MODEL	T-7T2SMY
Max. swing	Ø220 mm
Max. turning diameter	Ø470 mm
Max. turning length	770 mm
Max. workpiece weight	24kg
Max. bar capacity	52 mm

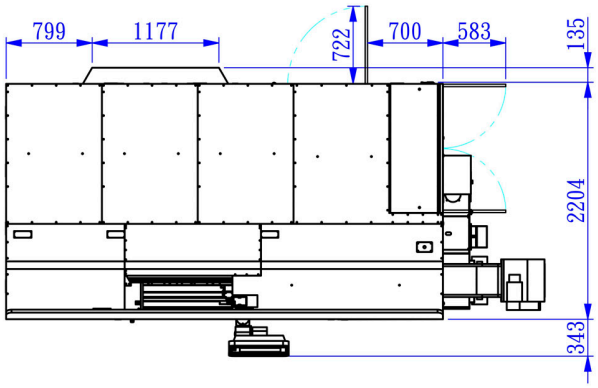


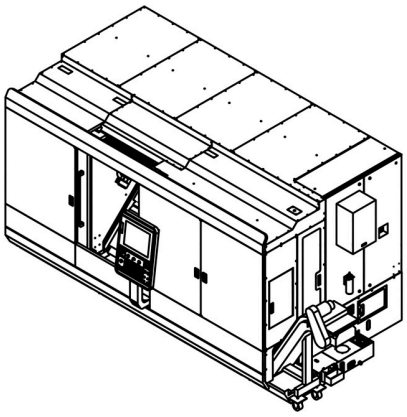


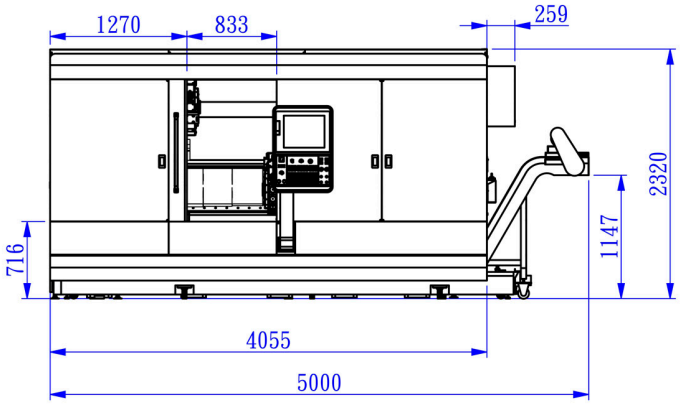


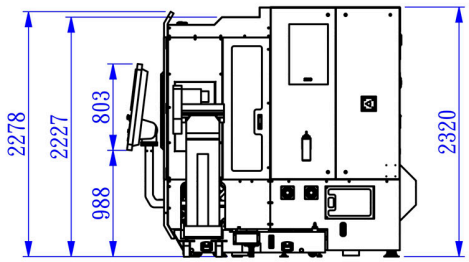


MACHINE DIMENSIONS









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854 78 Avenue, Edmonton, Alberta T6P 1L7, 780.466.4693
940 Winston Churchill Boulevard, Oakville, Ontario L6J 7X5, 905.845.4434

MACHINE SPECIFICATIONS:

CAPACITY

maximum swing	220mm (8.6”)
maximum turning diameter	470mm (18.5”)
maximum turning length	770mm (30.3”)
maximum workpiece weight	24kg (53 lbs.)

TRAVEL

X1 axis	235 + 15mm (9.25” + 0.59”)
X2 axis	220 + 10mm (8.66” + 0.39”)
Y axis	±50mm (±1.96”)
Z1 axis	770mm (30.31”)
Z2 axis	790mm (31.1”)
B-axis	770mm (30.31”)
C-axis	360 degrees

MAIN + SUB-SPINDLE

spindle nose	A2-6
maximum spindle speed	3800 rpm
maximum spindle power	22/25kW (29.5/33.5 hp)
hydraulic chuck diameter	8”
bar capacity	62mm (2.44”)
maximum spindle torque	231Nm (170 ft-lbs.)
C-axis minimum spindle indexing increment	+/- 0.001 degree

ROTARY TOOL TURRETS

number of tool stations on each turret	16
square tool shank size	20mm (0.8”) BMT 55
boring bar holder inside shank diameter	32mm (1.25”) BMT 55
maximum rotary tool speed	5,000 rpm
maximum rotary tool motor power	3.7kW (5.5 hp)

RAPID FEED RATE

X axis rapid feed rate	30m per minute (1181” per minute)
Y axis rapid feed rate	10m per minute (394” per minute)
Z axis rapid feed rate	38m per minute (1496” per minute)
B-axis	30m per minute (1181” per minute)

MISCELLANEOUS

power supply	230V / 100kVa
machine length x width x height	5000 x 2682 x 2320mm (197” x 106” x 92”)
machine weight	12500kg (27,558 lbs.)

Note: Specifications are subject to change without notice.

STANDARD + INCLUDED EQUIPMENT

- Fanuc 0*i*TF control
- 8” diameter hydraulic 3-jaw chucks for main and sub-spindles
- Royal 46130 Accu-Length CNC hydraulic collet chucks for main and sub-spindles
- automatic parts catcher
- fully enclosed guarding
- work light
- leveling screws + pads
- maintenance tool box
- alarm light with buzzer
- foot pedal switch for each chuck
- bullet proof glass window
- automatic tool setter on the main spindle
- chip conveyor with cart

LEADWELL T-6SMY PACKAGE PRICE: US $340,000

OPTIONAL EQUIPMENT

eight (8) toolholders for A. Berger part number A20694: US $17,800

- two (2) axial drilling/milling holders
- one (1) double axial drilling/milling holder
- two (2) double I.D. holders
- two (2) double O.D. holders
- one (1) double radial drilling/milling holder

eight (8) toolholders for A. Berger part number A21070: US $14,800

- one (1) 4-I.D. holder
- one (1) axial drilling/milling holder
- two (2) double axial drilling/milling holders
- three (3) double O.D. holders
- one (1) I.D. holder

LNS Alpha SL65 S spindle length automatic magazine bar feeder with one polyurethane spindle liner for round bar stock US $20,900

TERMS AND CONDITIONS

The pricing
Pricing shown is in US funds.
The above pricing is F.O.B. Masteel in Oakville, Ontario.
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
Two (2) years on parts & labour.

Delivery
4-5 months from date of order acceptance by Masteel, subject to confirmation at the time of purchase.

***CUSTOMER'S RESPONSIBILITY**
- Pick-up the machine at Masteel in Oakville, Ontario.
- Off load the machine from the truck at the customer's site.
- Move the machine into place for assembly.
- Foundation per requirements.
- Power to the machine.
- Hydraulic + way lube oil plus coolant fluid for the machine.

***MASTEEL'S RESPONSIBILITY**
- Assemble / level the machine on the customer's shop floor and anchor the machine to the customer supplied foundation if required.
- Complete the machine installation and accuracy test.
- 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.

This is not a turn-key proposal and it is valid for thirty (30) days.

We look forward to working with you on this project.

Sincerely,
MASTEEL AMERICA CORPORATION

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