

CT2 Structure

Y Axis Machining Front / Back

XYZB Axes

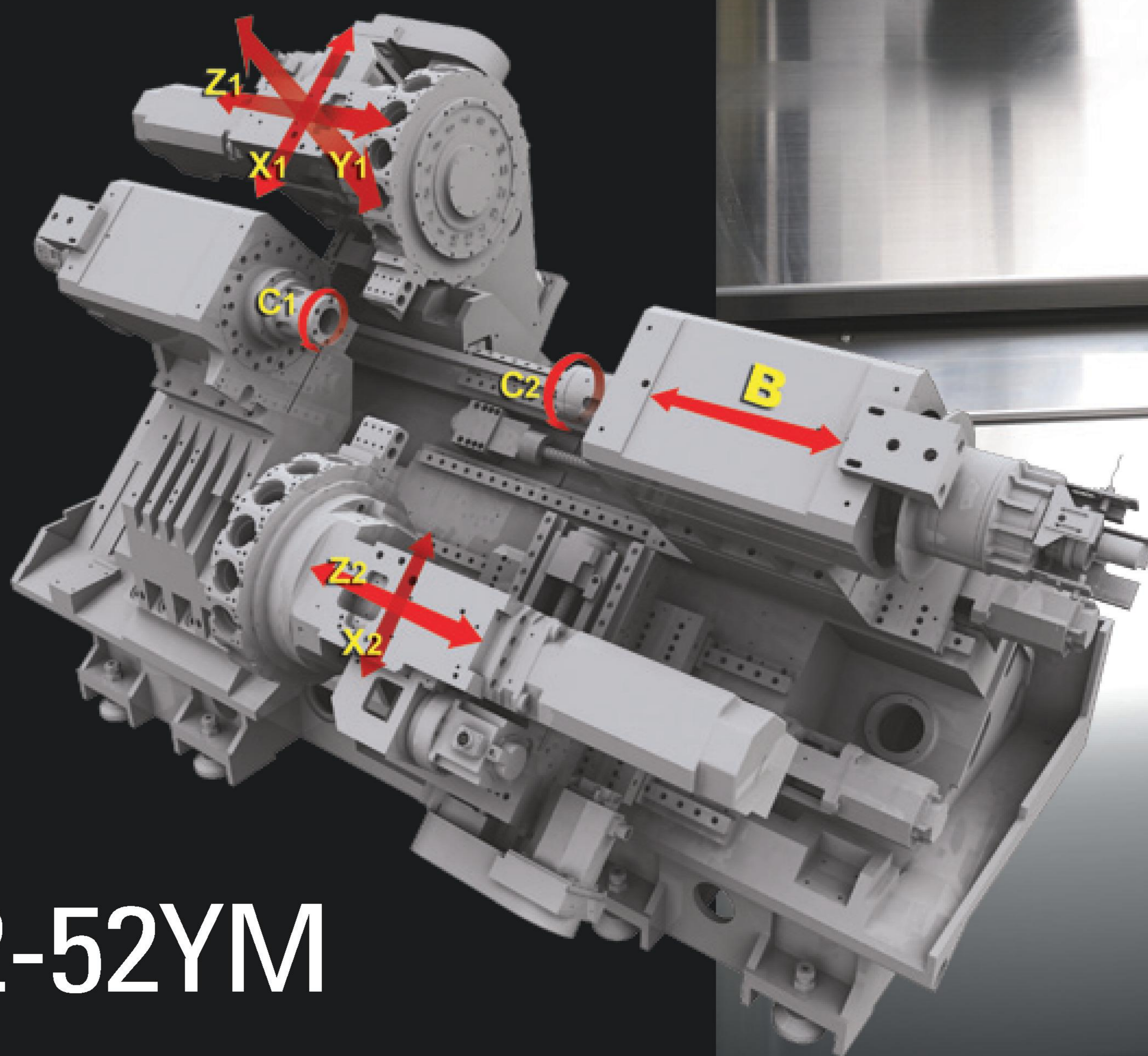
Roller Type Linear Guideways

Smooth Performance

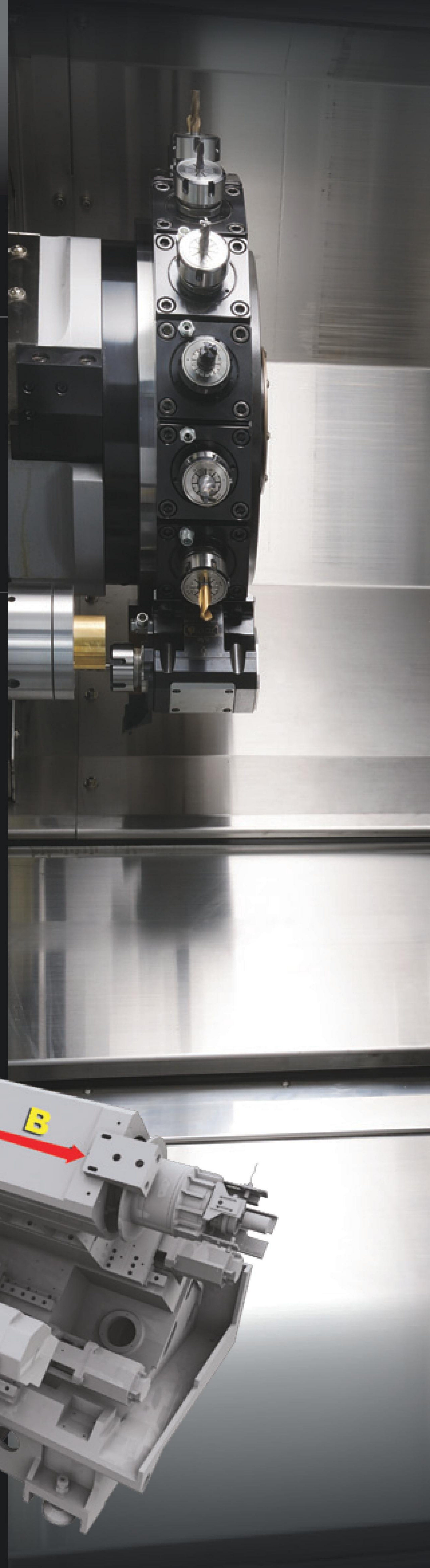
Excellent Repeatable Accuracy



CT2 Section

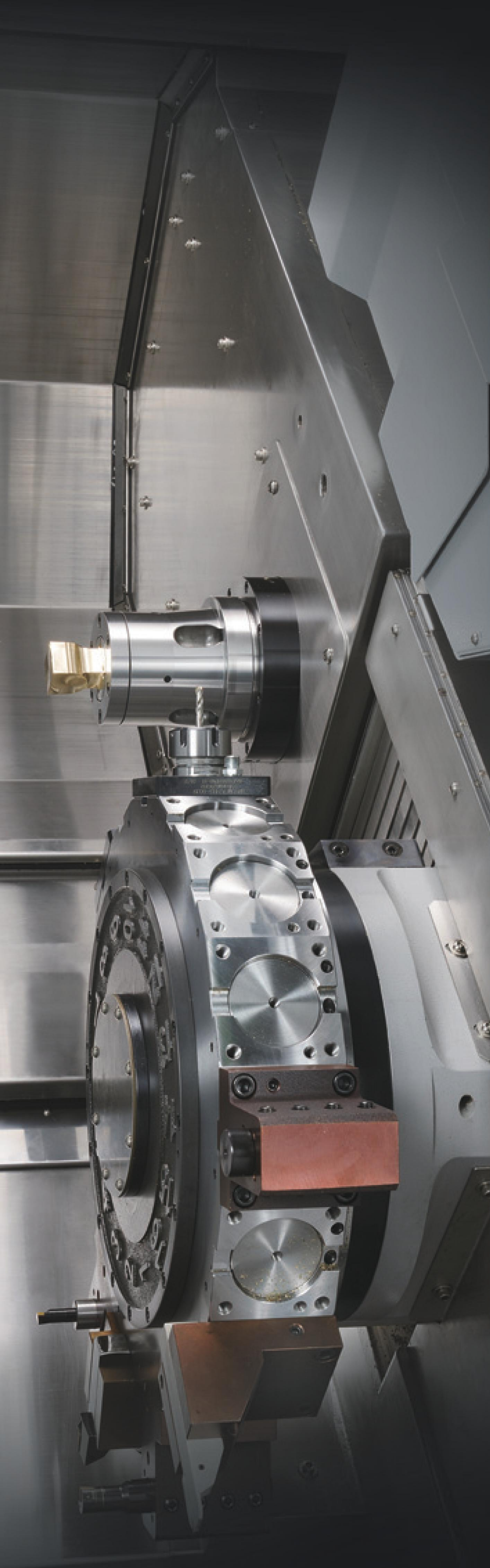


CT2-52YM



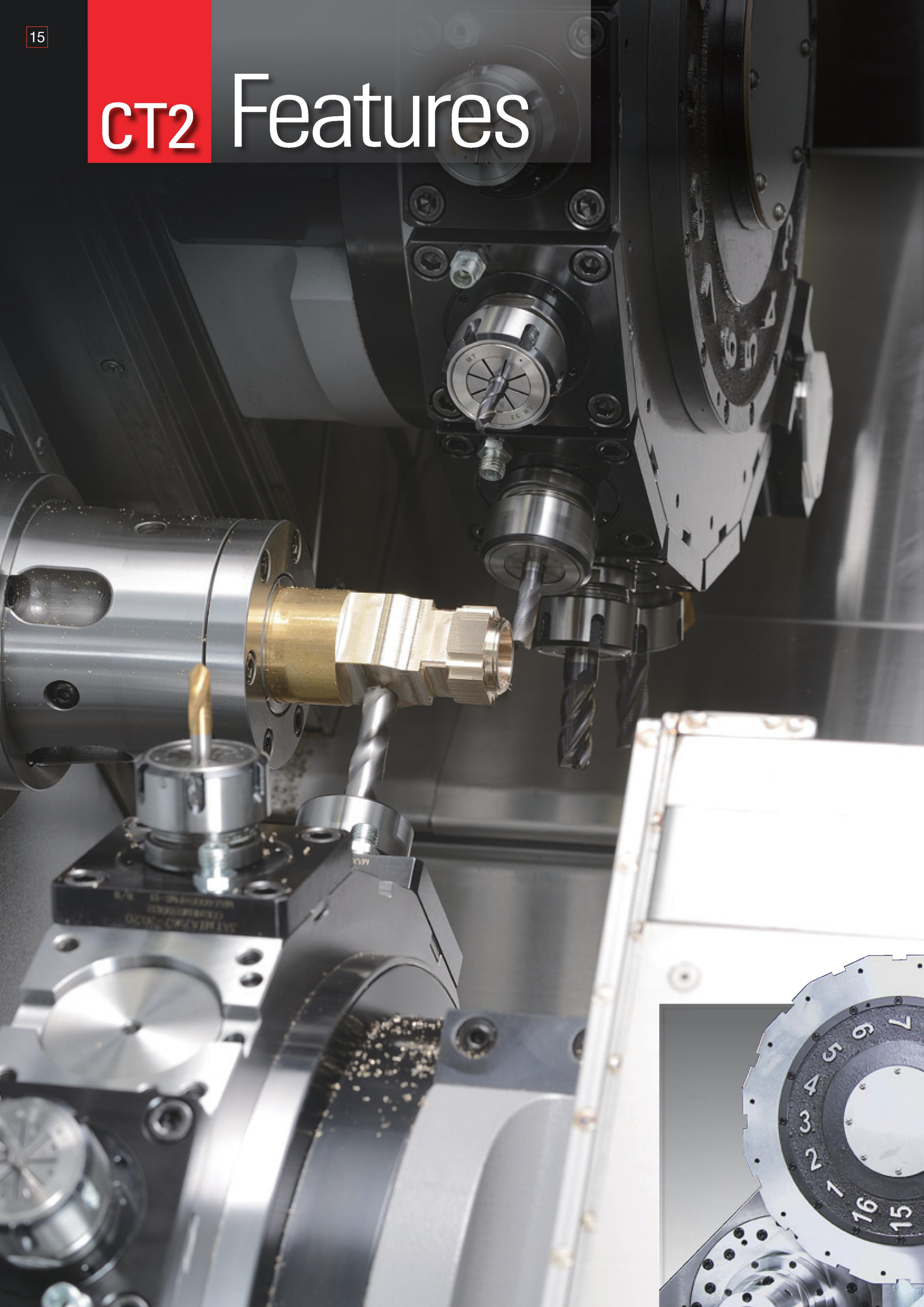
Tailstock Option

With the CT2-52Y2MS both turrets are located at the top of the machine to allow customers the option of a central tailstock for longer work piece stability.



"The shareable Y Axis on the CT2 delivers amazing performance at an affordable price for customers needing efficient complex parts machining."

CT2 Features



Main Spindle – Top Turret

C Axis Machining

Front Machining

Indexing to **0.001** mm



CT2 Section

2 Spindles

2 Turrets

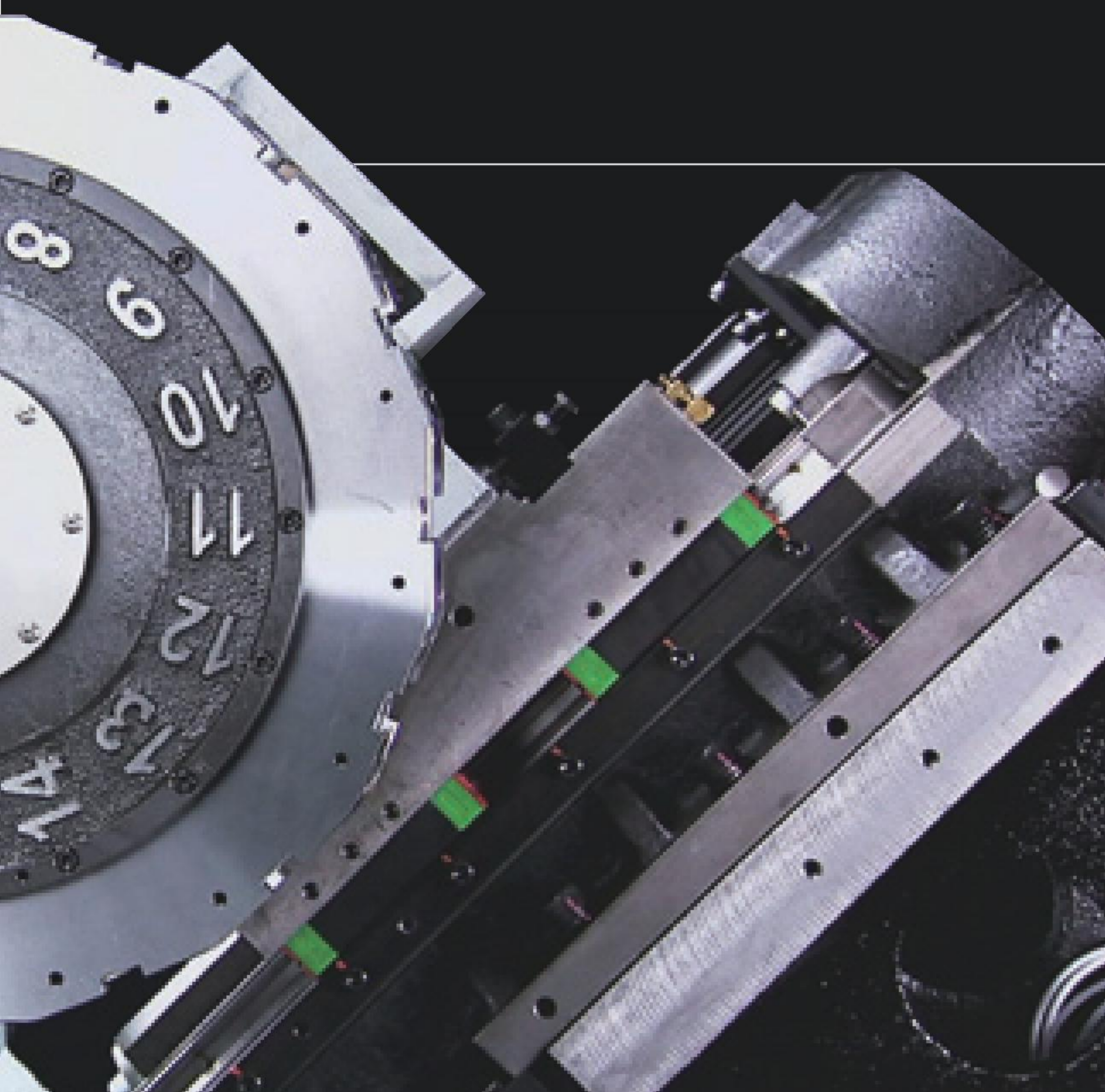
The CT2 features a built in main spindle working with the **16** position upper servo turret and another built in sub spindle working with a lower 16 position servo turret so you can complete all of your complex components cutting in a single operation.

These 16 position fully driven servo turrets are produced in house by CC Machinery to precisely match the performance requirements of these machines, and are all tested and tested again to guarantee performance in operation.

Sub Spindle – Bottom Turret

Back Machining

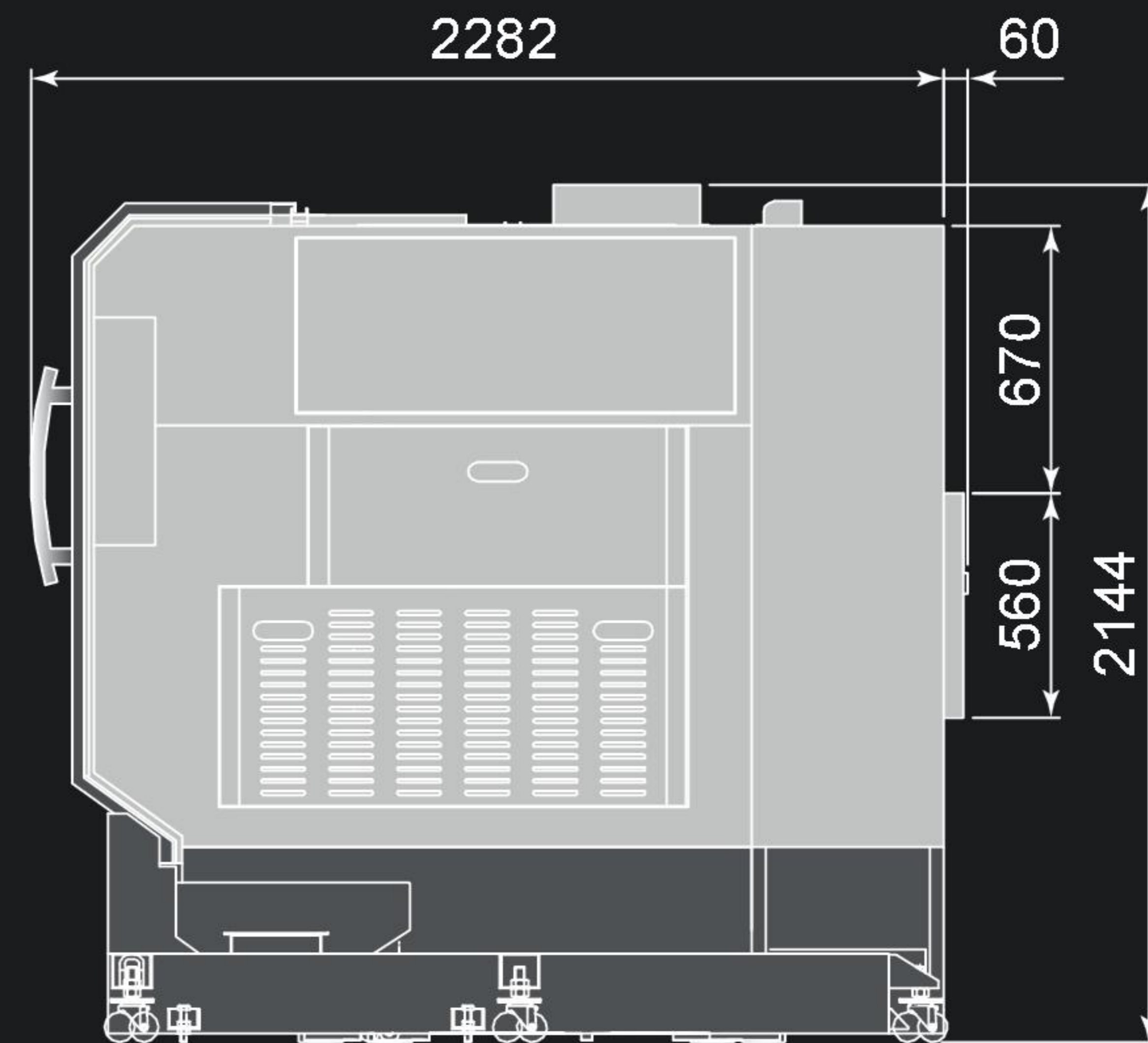
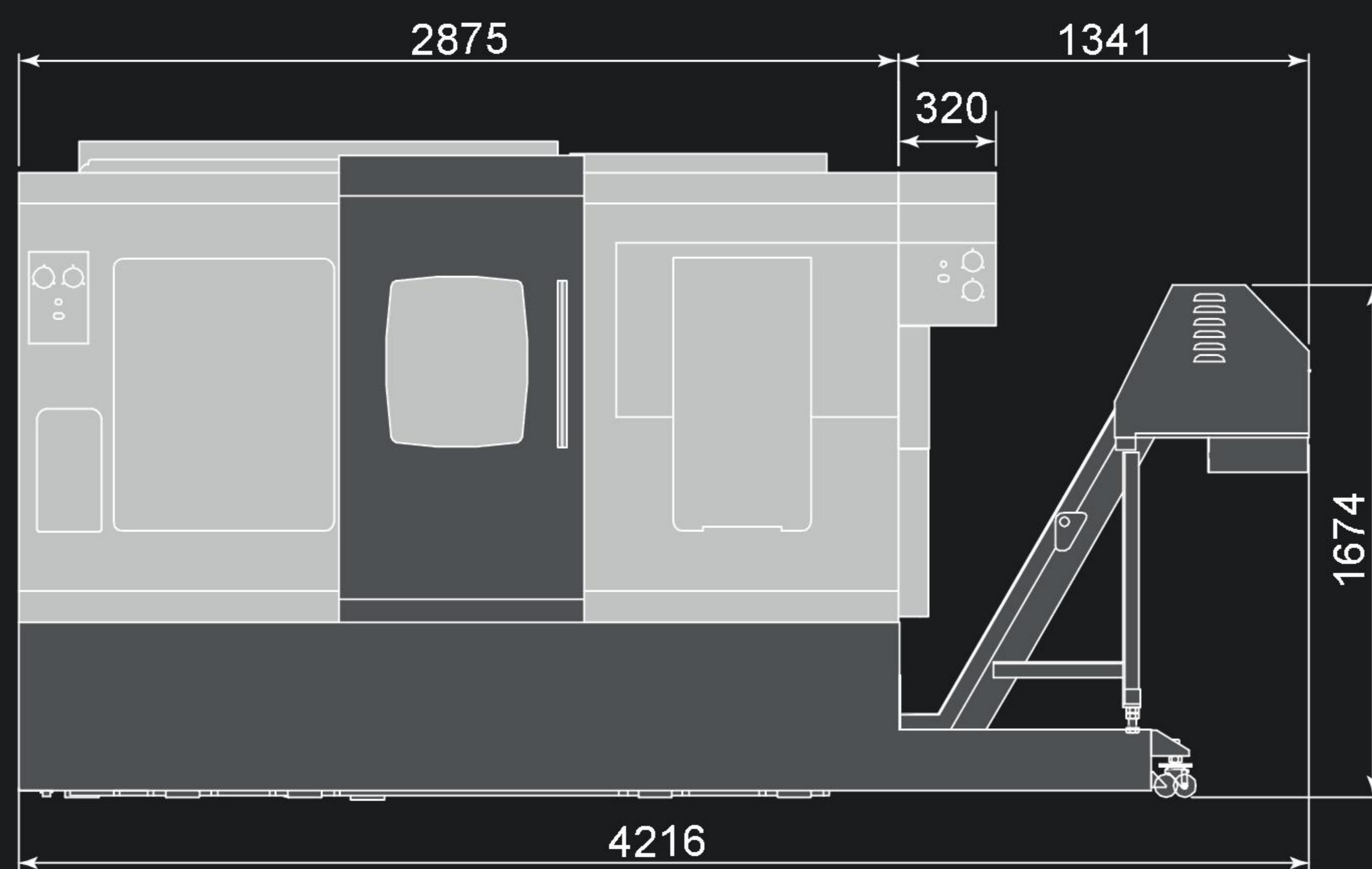
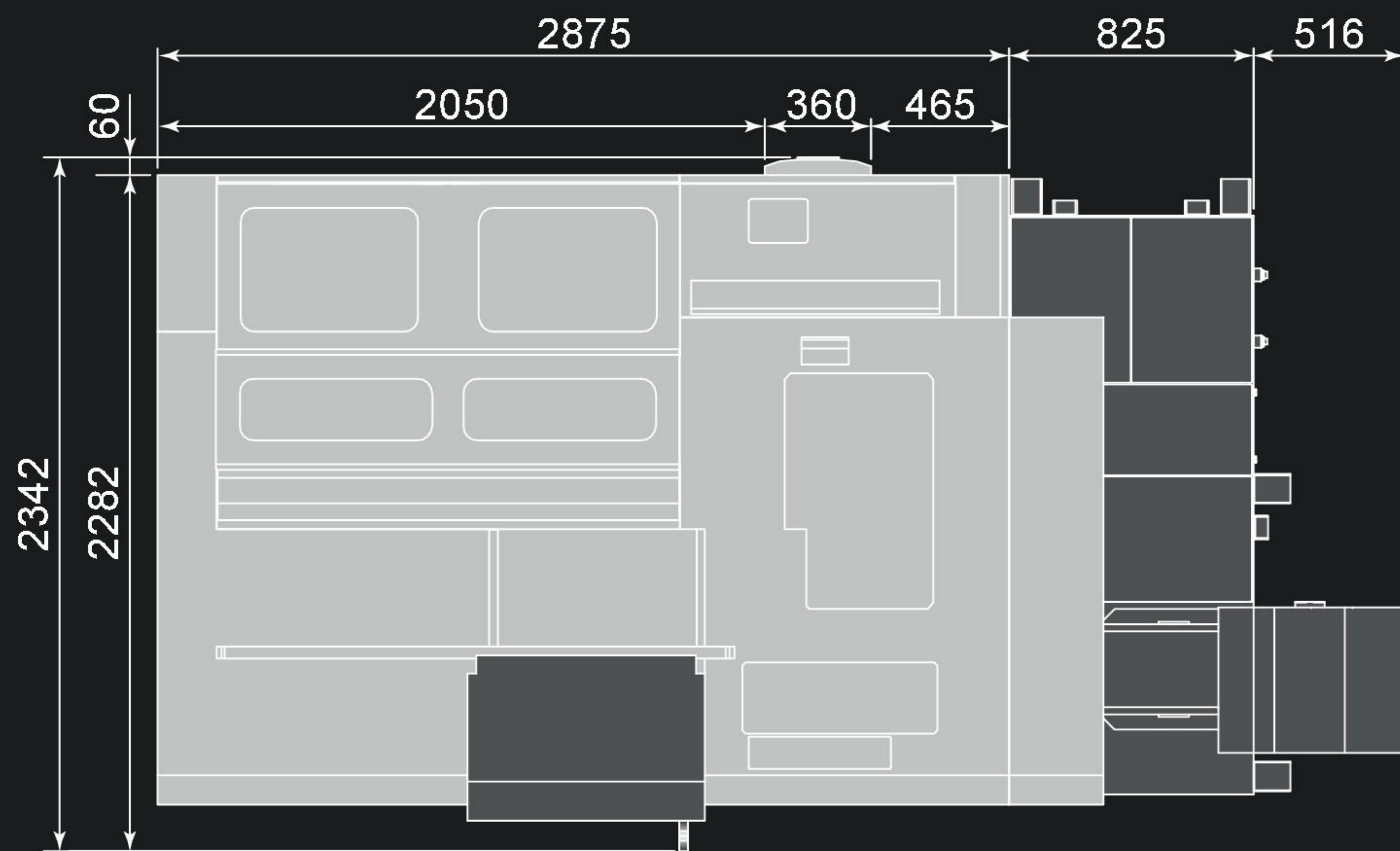
Indexing to **2-3** microns



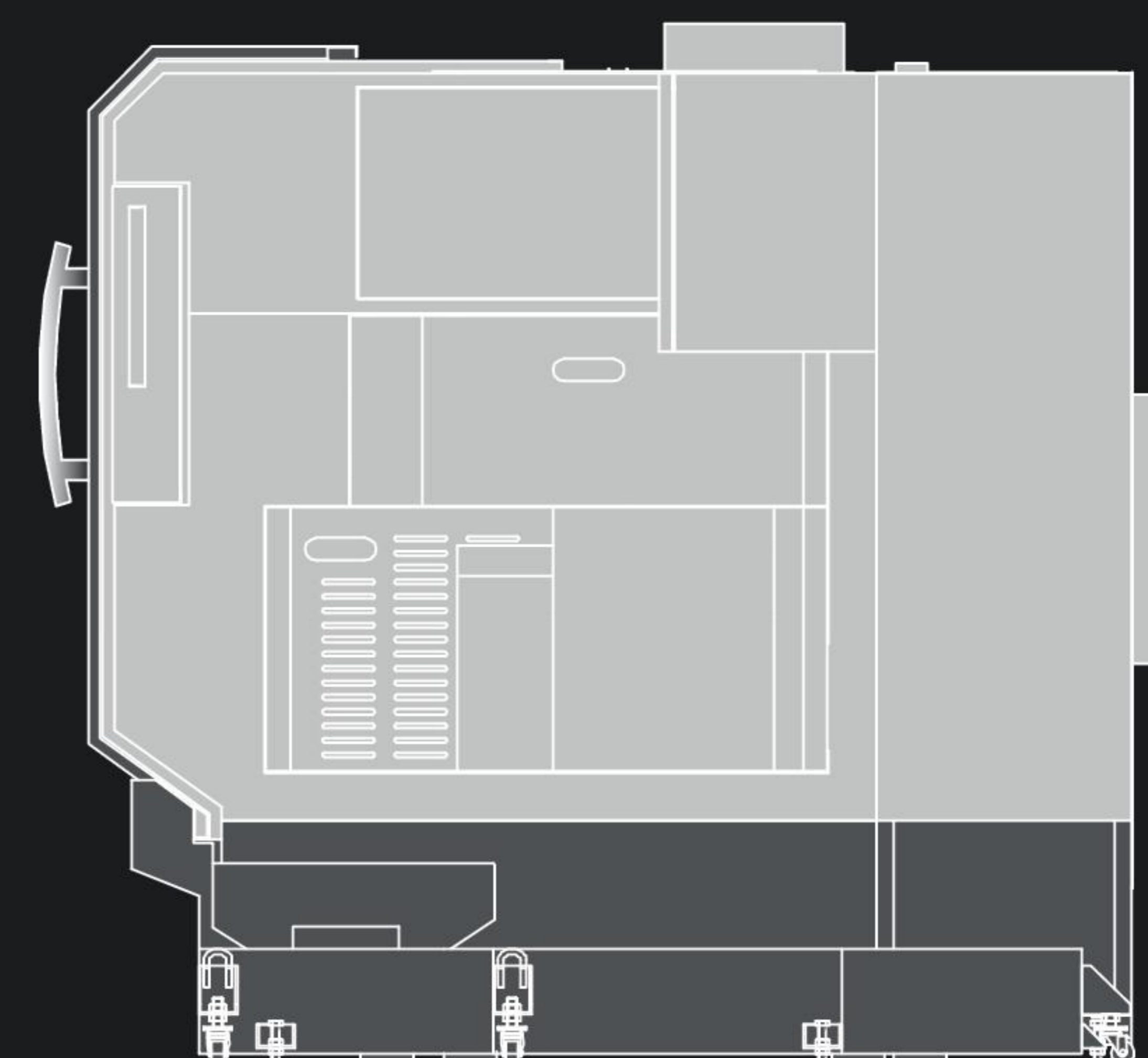
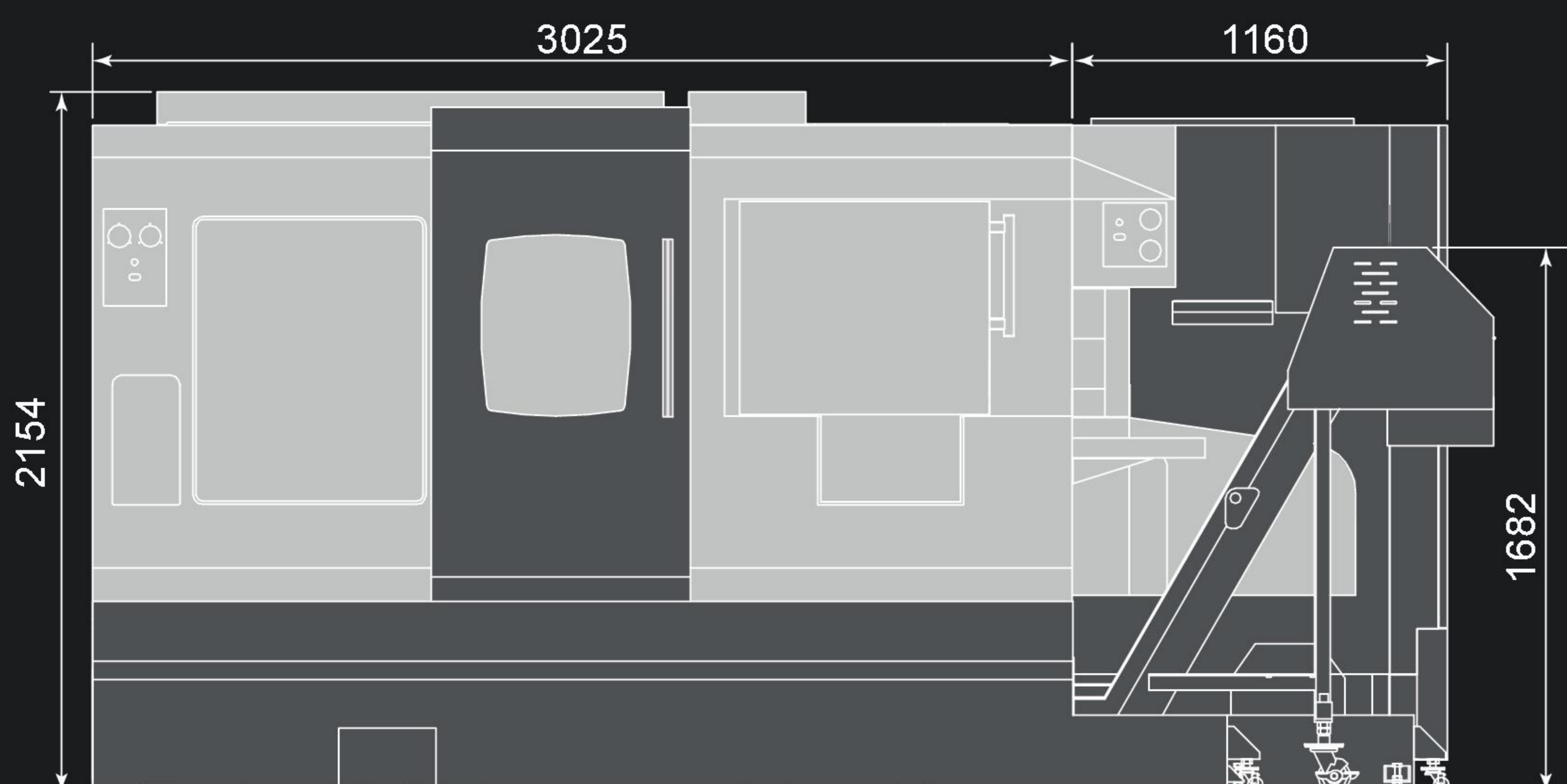
CT2 Diagram

Machine Dimensions

CT2-52YM

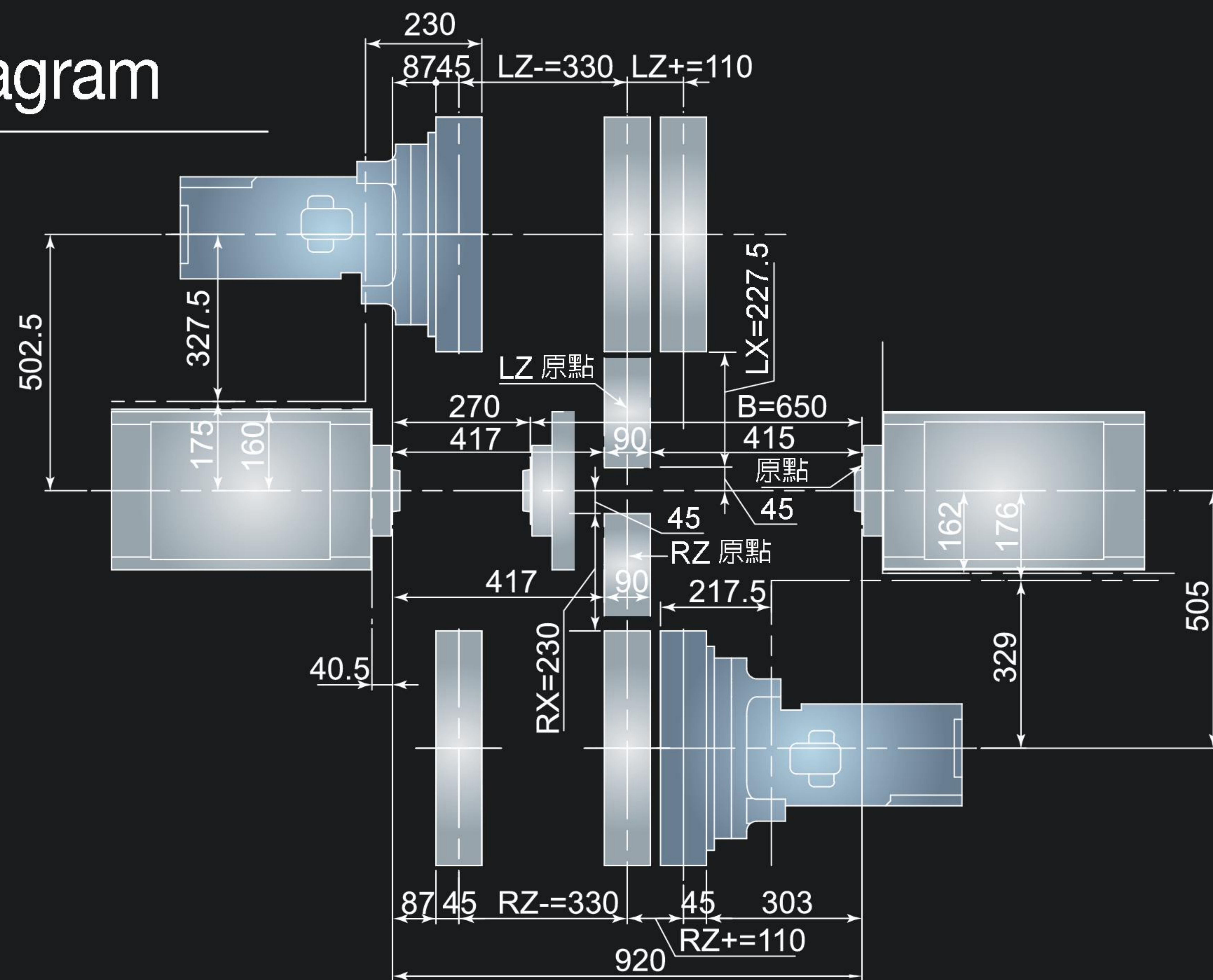


CT2-52Y2M

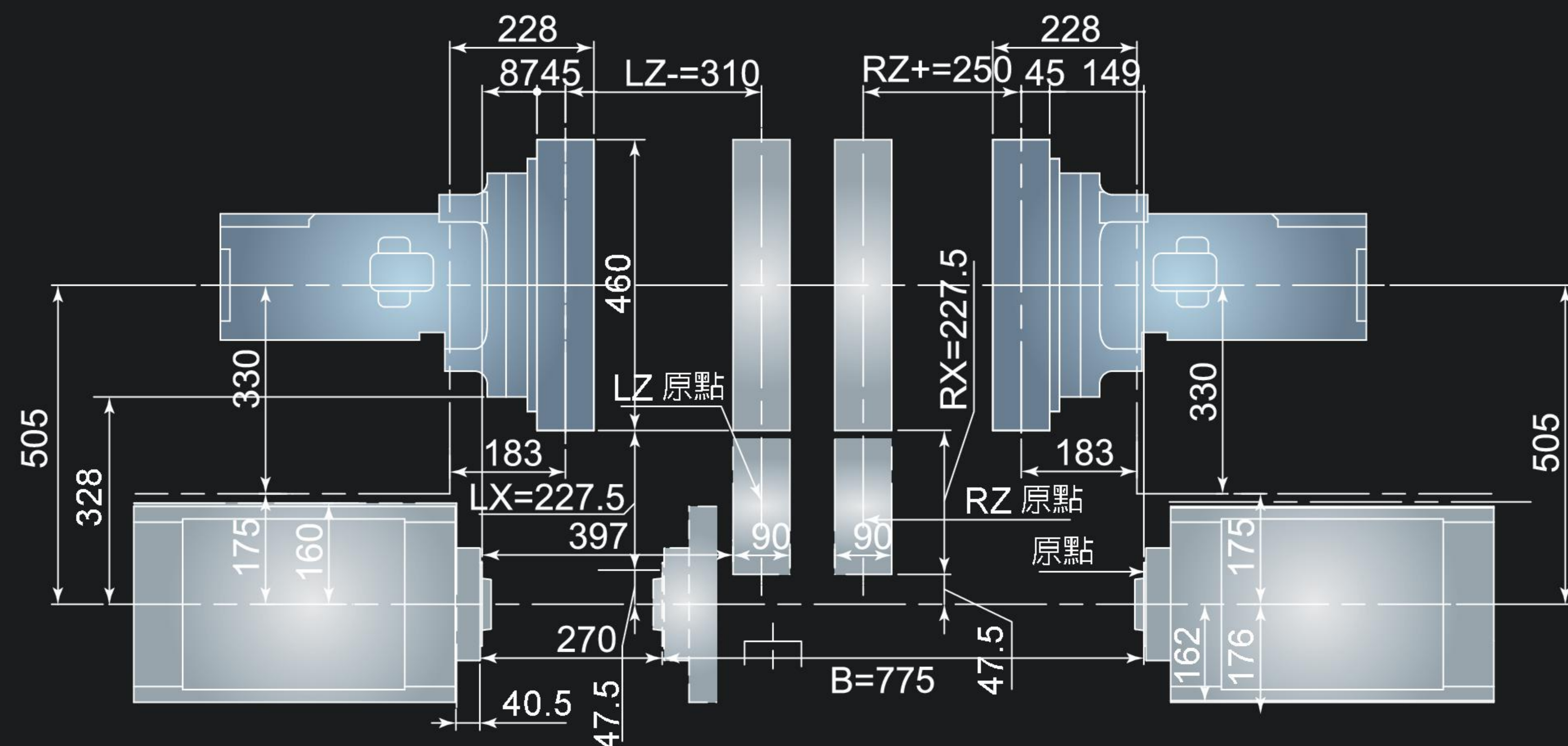


Axes Travel Diagram

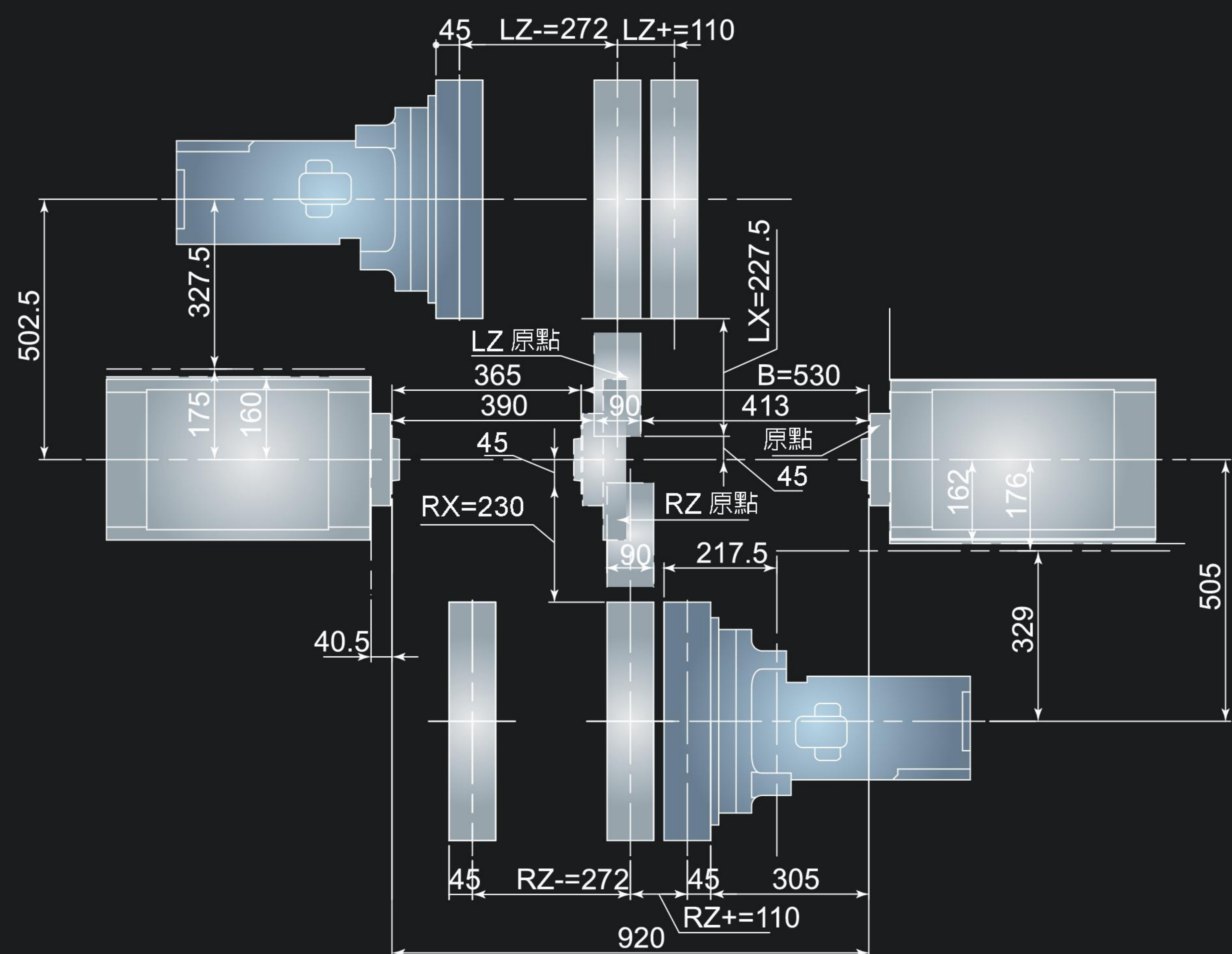
CT2-52YM



CT2-52Y2M



CT2-76YM



CT

Specifications

		CT2-52	CT2-52YM	CT2-52Y2M(S)	CT3-52Y2M	
Capacity	Controller	Mitsubishi	Mitsubishi / Fanuc		Mitsubishi	
	Max. Manu. Dia.	Ø360				
	Standard Manu. Dia.	Ø210				
	Swing over Bed Dia.	Ø830				
	Distance Between Two Center	920 mm		1045 mm		
	Max. Manu. Length	400 mm	440 mm	310 mm		
	Bar Capacity	Ø51				
Axis Specifications	X1, X2, X3 Axis Travel	227.5 / 232 mm	227.5 / 230 mm	227.5 / 227.5 mm	227.5 / 227.5 / 230 mm	
	Z1, Z2, Z3 Axis Travel	440 / 440 mm		310 / 250 mm	310 / 250 / 440 mm	
	Y1, Y2 Axis Travel	-	± 50 mm	± 50 / ± 50 mm		
	B Axis Travel	650 mm		775 mm		
	X, Y, Z Axis Rapid Travel Speed	16 / 6 / 40 m/min				
	B Axis Rapid Travel Speed	40 m/min				
	Min. Input Unit	0.001 mm				
Spindle	Spindle Max. rpm	6000 rpm				
	Spindle Motor	M: 7.5 / 11 kw, F: 11 / 15 kw				
	Center Height	1188 mm				
	Spindle Nose	A2-5				
	Spindle Bore	Ø60.5				
	Spindle Bearing Dia.	Ø90				
	Spindle Bar Capacity	Ø51				
	Chuck Size	6"(Option 8")				
Sub Spindle	Spindle Max. rpm	6000 rpm				
	Spindle Motor	M: 7.5 / 11 kw F: 11 / 15 kw				
	Spindle Nose	A2-5				
	Spindle Bore	Ø60.5				
	Spindle Bar Capacity	Ø51				
	Chuck Size	6"(Option 8")				
L.R.C	Min. Moving Unit	0.001°				
	C Axis Rapid Travel Speed	600 min ⁻¹				
Live Tool Turret	Turret Station	16-station				
	Square Tool	□ 25				
	Round Tool	Ø25				
	Rotating Mode	-	Single Tool Transmission			
	Live Tool rpm	-	60~6000 min ⁻¹			
	Live Tool Motor	-	M: 3.7 / 5.5 kw, F: 4.5 kw	3.7 / 5.5 kw		
	No. of Live Tool	-	16 × 2	16 × 3		
	Collet Size	ERØ32				
	Tool Holder & Tool Size	-	BMT65			
Machine	Size (LxWxH) (Includes Chip Conveyor)	4216 × 2342 × 2144		4185 × 2085 × 2154	4327 × 2335 × 2164	
	Machine N.W.(includes chip conveyor)	10200 kg			11100 kg	
Power	Power	63KVA	M: 77KVA F: 88KVA	M: 80KVA F: 92KVA	93KVA	
	Hydraulic motor	5HP / 3.7kw				
	Coolant Motor	1HP / 0.75kw				
Tank Capacity	Hydraulic Tank	48 L				
	Coolant Tank	360 L			305 L	

M: Mitsubishi Controller F: Fanuc Controller Design and specs subject to change without notice.

CT2-76YM**CT2-76Y2M
CT3-76Y2M**

Capacity	Controller	Mitsubishi / Fanuc	
	Max. Manu. Dia.	Ø360	
	Standard Manu. Dia.	Ø210	
	Swing over Bed Dia.	Ø830	
	Distance Between Two Center	920 mm	1045 mm
	Max. Manu. Length	415 mm	285 mm
	Bar Capacity	Ø76mm	
Axis Specifications	X1, X2, X3 Axis Travel	227.5 / 230 mm	CT2:227.5/227.5 mm CT3:227.5/227.5/230 mm
	Z1, Z2, Z3 Axis Travel	382 / 382 mm	CT2:252/250 mm CT3:252/250/382 mm
	Y1, Y2 Axis Travel	± 50 mm	± 50 / ± 50 mm
	B Axis Travel	530 mm	655 mm
	X, Y, Z Axis Rapid Travel Speed	16 / 6 / 40 m/min	
	B Axis Rapid Travel Speed	40 m/min	
	Min. Input Unit	0.001 mm	
Spindle	Spindle Max. rpm	4000 rpm	
	Spindle Motor	M: 15 / 22 kw, F: 18 / 22 kw	
	Center Height	1188 mm	
	Spindle Nose	A2-6	
	Spindle Bore	Ø88 mm (Op:Ø86 mm)	
	Spindle Bearing Dia.	Ø120 mm	
	Max. Bar Feeding Dia.	Ø76 mm	
	Chuck Size	8"(Op: 10")	
Sub Spindle	Spindle Max. rpm	4000 rpm	
	Spindle Motor	M: 7.5 / 11 kw, F: 18 / 22 kw	
	Spindle Nose	A2-6	
	Spindle Bore	Ø88	
	Max. Bar Feeding Dia.	Ø65 (option Ø70)	
	Chuck Size	8"(Option 10")	
L.R.C	Min. Moving Unit	0.001°	
	C Axis Rapid Travel Speed	600 min ⁻¹	
Live Tool Turret	Turret Station	16-station	
	Square Tool	□ 25	
	Round Tool	Ø25	
	Rotating Mode	Single Tool Transmission	
	Live Tool rpm	60~6000 min ⁻¹	
	Live Tool Motor	M: 3.7 / 5.5 kw, F: 4.5 kw	
	No. of Live Tool	16 × 2	CT2:16×2, CT3:16 × 3
	Collet Size	ERØ32	
Tool Holder & Tool Size	BMT65		
Machine	Size (LxWxH) (Includes Chip Conveyor)	4216 x 2342 x 2144	4327 x 2335 x 2164
	N.W. (Includes Chip Conveyor)	10300 kgs	11200 kgs
Power	Power	M: 88KVA F:102KVA	CT2(M:92,F:106)KVA CT3(M:107,F:120)KVA
	Hydraulic Motor	5 HP / 3.7 kw	
	Coolant Pump	1HP / 0.75kw	
Tank Capacity	Hydraulic Tank	48 L	
	Coolant Tank	CT2: 360L , CT3: 305 L	

M: Mitsubishi Controller F: Fanuc Controller Design and specs subject to change without notice.

Standard Accessories

- Tool Kit & Box
- Collet Chuck Device
- Auto Bar Feeder Interface
- Finished Parts Gripper & Conveyor
- Chip Washing Coolant Device & Air Blowing Device
-Cutting Fluid Pump
-Cutting Fluid Inspection Device
-Coolant Through Sub Spindle
- Auto Power Breaker
- Air Conditioner For Electrical Cabinet
- Steel Belt Chip Conveyor
- Double Boring Bar Holder (CT2 x 2 / CT3 x 3)
Single Boring Bar Holder (CT2 x 8 / CT3 x 12)
Cut Off Tool Holder x 1
OD Tool Holder (CT2 x 10 / CT3 x 14)
Radial Slotting Tool Holder (CT2 x 2 / CT3 x 3)
Tool Sleeve (Ø6, 8, 10, 12, 16, 20) (CT2: 4 Pcs of Each / CT3: 6 Pcs of Each)



More Detail

Options

- 6" / 8" Hydraulic Chuck
- Axial And Radial Live Tool Holder
- Voltage Stabilizer
- 15-Bar High Pressure Coolant Device With Filter
- Spindle Chiller Device
- Bar Feeder
- Oil Mist Collector
- Automatic Door Device
- Mitsubishi Robot
- Gantry System