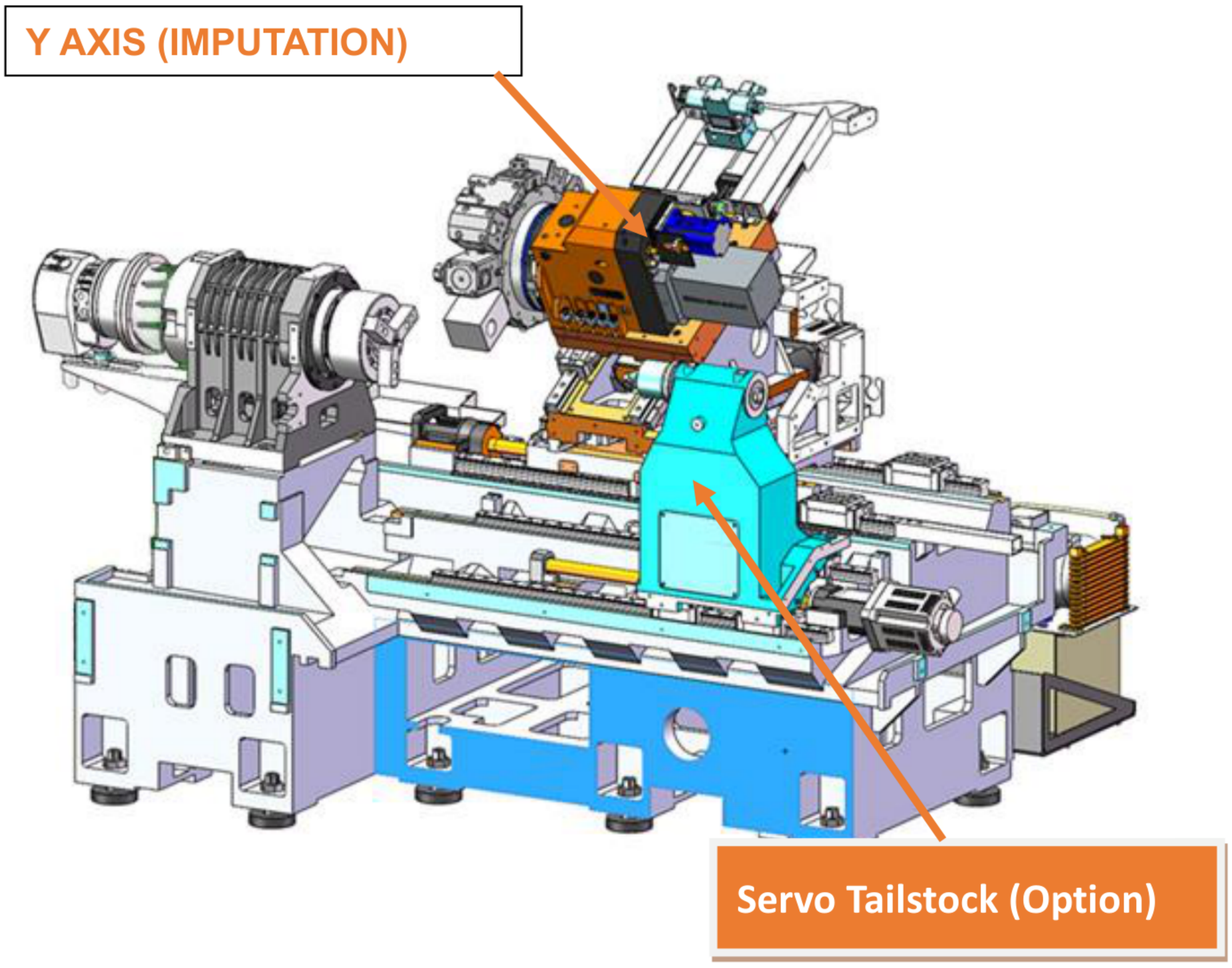
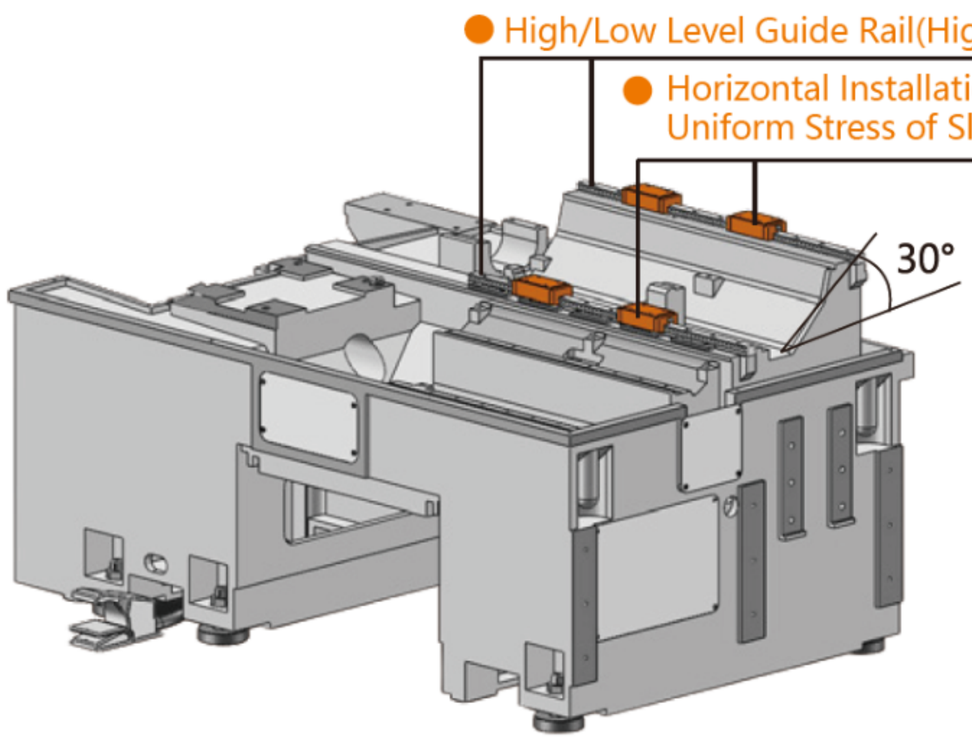
QT55LMY-630

Precision Turning-Milling Composite Machine Tool

QUOTATION & TECHNICAL INFORMATION

1. QT55LMY-630　Machine tool structure diagram：





High/Low Guide Rail Structured Lathe Bed

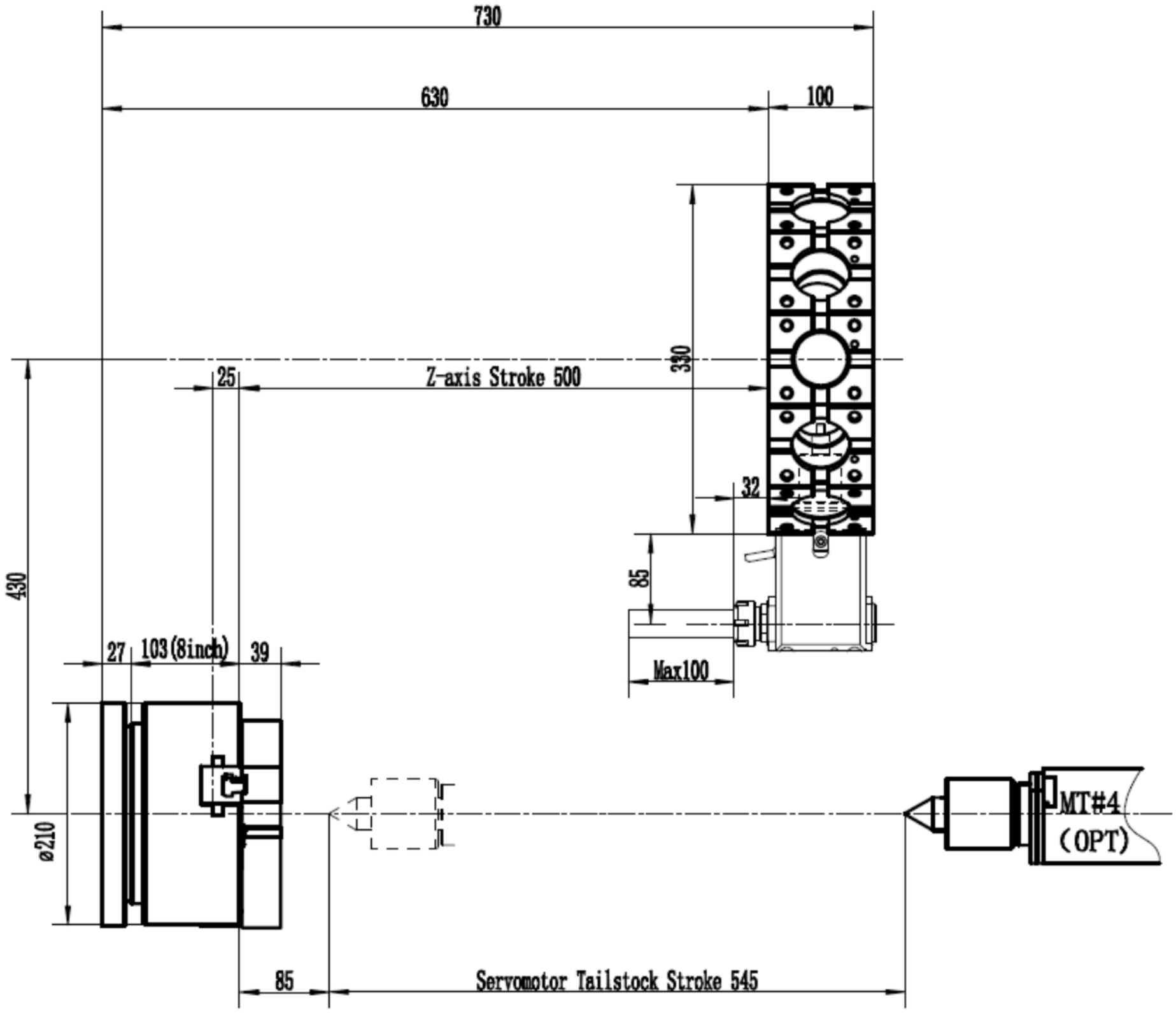
Features for High/Low Level Guide Rail Structure

① Horizontal installation for Z-direction guide rail with saddle weight and cutting force uniformly shared by four slide blocks, reducing wear for ball of slide blocks, extending service life of guide rail.

② High/Low level guide rail allows lathe bed to keep in a consistent status in the course of processing, assembling and using, ensuring precision of machine tool effectively.

③ Each machine tool reserves interface for truss automation, facilitating customers to install automation afterwards.

2. QT55LMY-630　Stroke-Related Drawing:



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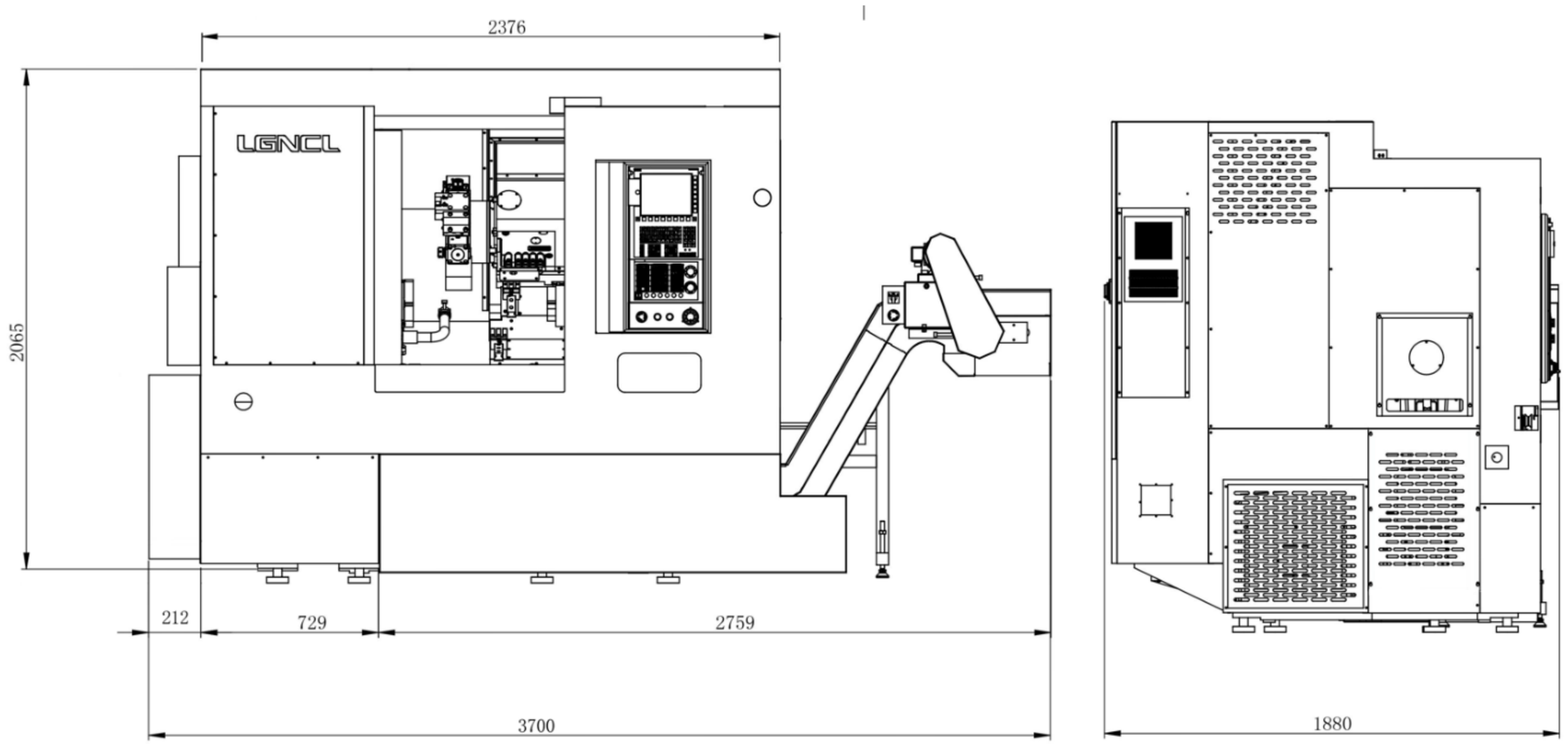
3.QT55LMY-630　Machine Size Drawing:



4.QT55LMY-630 Technical Parameter:

1	Machining Rang	Maximum Rotating Diameter(mm)	Φ550	
		Maximum Machining Diameter(mm)	Φ350	
		Maximum Machining Length(mm)	420	
2	Stroke	X-Axis Stroke(mm)	210	
		Z-Axis Stroke(mm)	500	
		Y-Axis Stroke(mm)	±50	
3	Precision	Positioning Accuracy(mm)	±0.003	
		Repeated Positioning Accuracy(mm)	±0.002	
4	Displacement Speed	X-Axis Fast Displacment(m/min)	30	
		Z-Axis Fast Displacment(m/min)	30	
		Y-Axis Fast Displacment(m/min)	12	
5	Spindle (Electric)	Spindle Bore(mm)	Φ62	
		Maximum Diameter of Bar(mm)	Φ51	
		Spindle Nose Specification	A2-6	
		Maximum Revolving Speed of Spindle (rpm)	4500	
		Chuck Specification	8”	
6	Motor	Spindle (KW) -Electric	18.7/25	
		X-Axis(N.m)	11	
		Z-Axis(N.m)	11	
		Y-Axis(N.m)	10.5	
7	Turret	Turret Type	Live Turret	BMT55
		Maximum Revolving Speed of Power Tool(rpm)	6000	
		Live Turret Motor(KW)	4.5	11/27Nm
		Boring Tool Diameter(mm)	Φ40	
		Square Tool Diameter(mm)	□25	
8	Tailstock	Tailstock Type	Servo	
		Tapered Hole Type	MT-4	
9	Chip Conveyor	On the Side		
10	Weight	Overall Weight(Kg)	5000	
11	Complete Machine	Lengh(mm)	3000	
		Width(mm)	1950	
		Height(mm)	2150	

5. QT55LMY-630 Critical Configuration：

NO.	UNIT	PRODUCT NAME	BRAND NAME	REMARKS
1	System and Motor	System	FANUC 0i TF(3B)	
		X-axis Motor	FANUC	11 Nm
		Z-axis Motor	FANUC	11 Nm
		Y-axis Motor	FANUC	10.5 Nm
		Turret Power Motor	FANUC	
2	Spindle (Electric)	Spindle Motor Drive	FANUC	
		Spindle Motor(Electro)	PHYSIS	18.7/25 Kw
		Spindle Nose Specification	A2-6	
		Spindle Bearing	NSK (Japan)	P4
3	X-axis Z-axis	Motor Seat Screw Bearing	NACHI (Japan)	P4
		Front End Screw Bearing	NACHI (Japan)	P4
		Linear Guide (Roller)	THK (Japan)	P
		Ball Screw	THK (Japan)	C3
4	Y-axis	Motor Seat Screw Bearing	NACHI(Japan)	P4
		Front End Screw Bearing	NACHI(Japan)	P4
		Linear Guide (Roller)	THK(Japan)	P
		Ball Screw	THK(Japan)	C3
5	Chuck Cylinder	Three-claw Chuck	AUTOGRIP(TaiWan)	8"(Hollow)
		Rotating Cylinder	AUTOGRIP(TaiWan)	（Hollow)
6	Hydraulic System	Hydraulic Station	Hyko	1.5 KW
7	Cooling System	Cutting Water Pump	LANBANG	750 W
8	Lubrication System	Oil Pump	ISHAN (TaiWan)	
		Dispenser	ISHAN (TaiWan)	
9	Electrical Unit	Circuit Breaker	Schneider(France)	
		Relay Switch	Schneider(France)	
10	Turret Type	Live Turret (12)	GPM(SAUTER)	100 H
11	Tailstock	Servo Tailstock MT-4	LGNCL	

6.List of random attachments

No.	NAME	QUANTITY	REMARK
1	Foundation pads	8 sets	
2	Inner bore tool holder	3 pcs	
3	Face tool holder	1 pcs	
4	Toolbox and Tool	1 set	
5	Soft claws	1 set	
6	Foot switch	1 pcs	
7	System operation instruction manual	1 serving	flash drive
8	Packing slip	1 serving	