



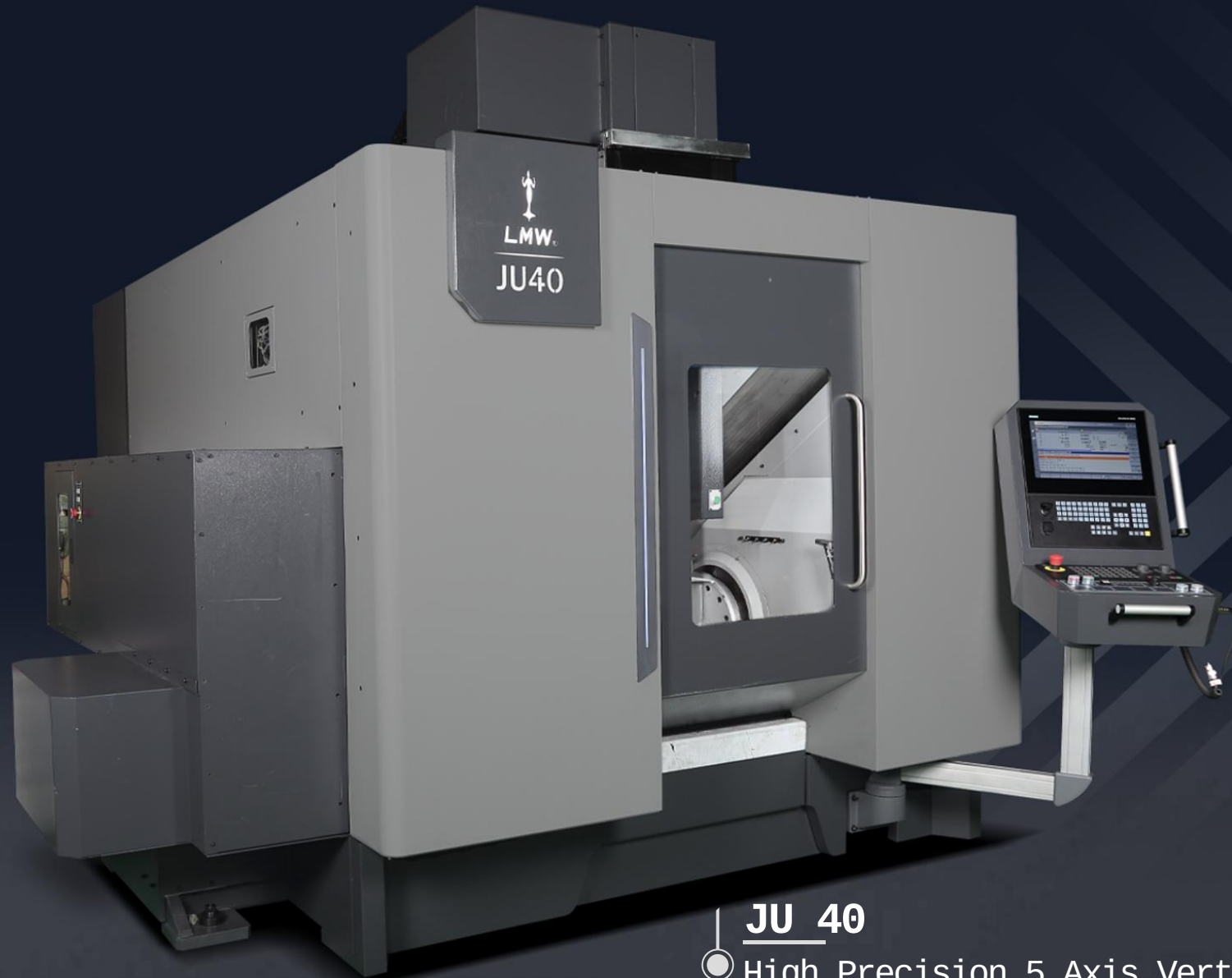
INNOVATION & VALUE CREATION

TURNING- MILLING- TURNMILL

CNC

MACHINES

2025
New Launches



JU 40
● High Precision 5 Axis Vertical Machining Center

JU 40

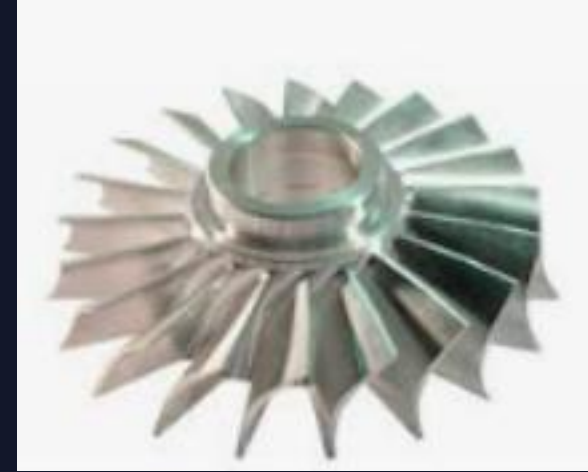
High Precision 5 Axis Vertical Machining Center

- ✓ JU40 provide the flexibility to handle larger workpieces, enabling and increasing capacity allows for managing heavier and taller parts with ease.
- ✓ Increased rapid traverse speeds reduce idle times, enabling quicker operations and improved throughput.
- ✓ A larger tool capacity ensures seamless operations during complex jobs, reducing downtime.
- ✓ A higher spindle speed delivers smoother finishes, faster cutting, and greater accuracy, minimizing rework and ensuring consistent quality.

Machining Solutions



Pump Housing



Impeller



General Engineering



Automobile



Energy



Defence



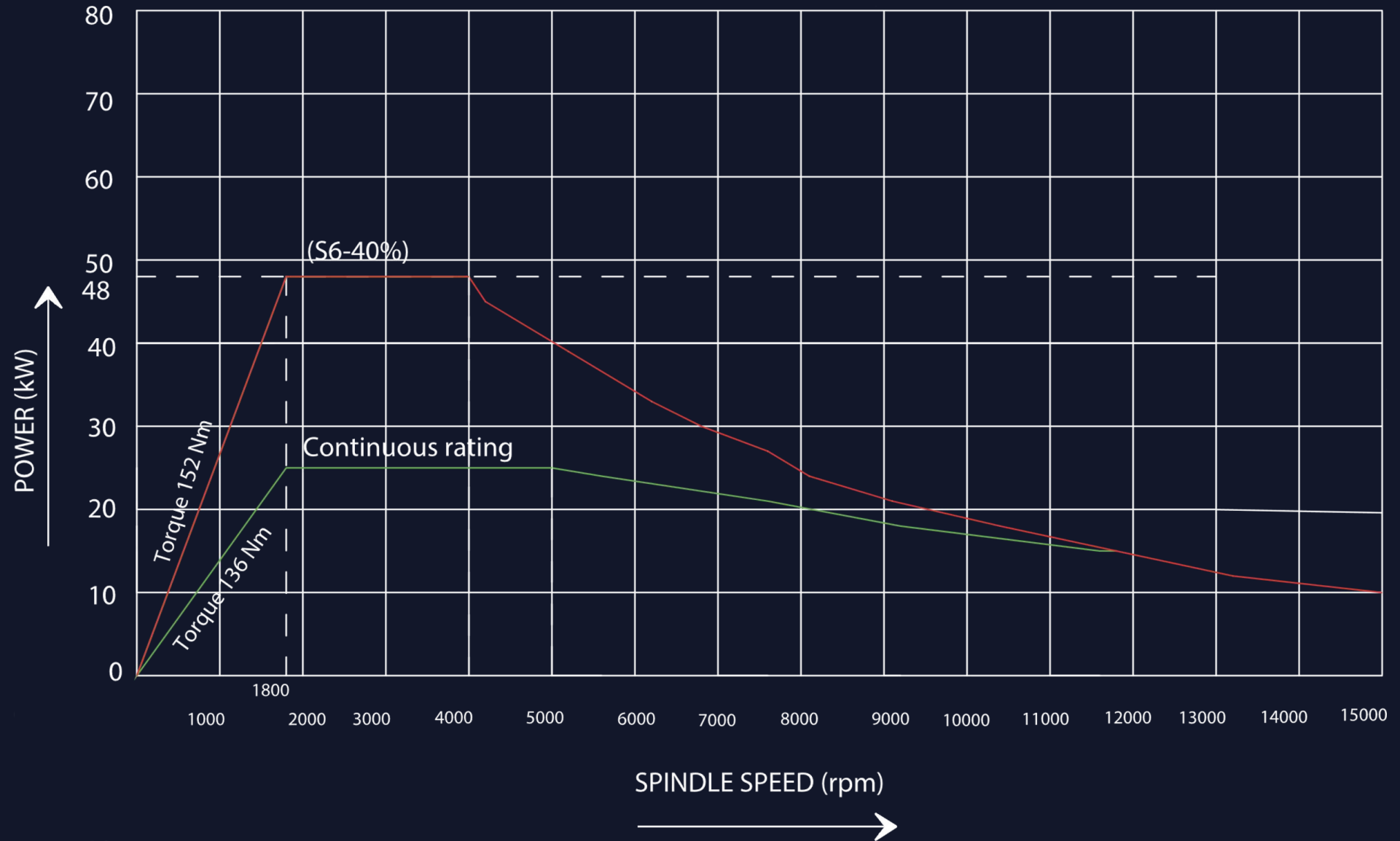
Aerospace



Medical

TITLE	DESCRIPTION	UNIT	JU 40
Travel	X Axis	mm	400
	Y Axis	mm	550
	Z Axis	mm	550
	Table Indexing Angle – A Axis	Deg	-120 ⁰ / +30 ⁰
	Table Indexing Angle – C Axis	Deg	360 ⁰
Automatic Pallet Changer	Table Size	mm	Ø 500
	Table loading capacity	kgs	300
	Work Piece Size (dxh)	mm	Ø 500 x 400
Spindle	Max. Spindle Speed	Rpm	10000 (15000)
	Spindle Bore Taper	-	BBT 40
	Motor Power (S1 Cont. / S6 60% / S6 40%)	kW	22/26.4/33
	Max. Spindle Torque (S1 Cont. / S6 60% / S6 40%)	Nm	140/160/210
Automatic Tool Changer	No. of Tools	nos.	48
	Max. Tool Length	mm	300
Feed System	Rapid Traverse Rate (X/Y/Z)	m/min	48/48/48
	Guideways	-	LM Roller
General	Floor Space	m ²	15.7
CNC System	Controller	-	Siemens

Speed Power Curve



Technical drawing of a machine tool layout, showing dimensions and key features:

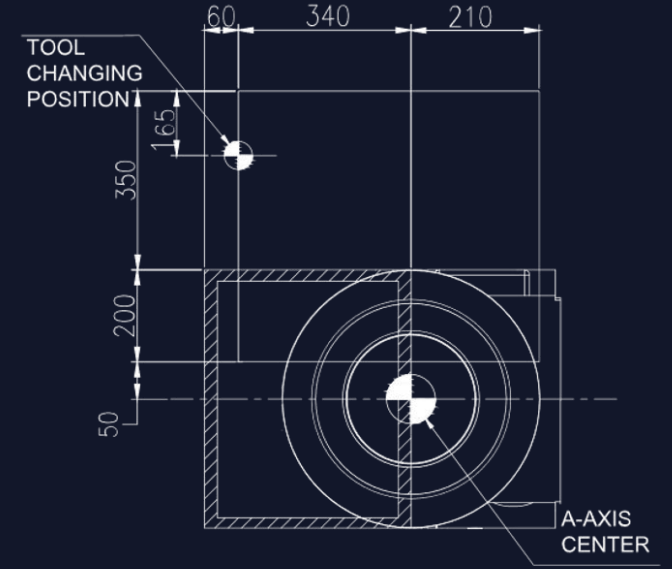
- Dimensions:**
 - 400 (X-AXIS STROKE):** Total horizontal travel.
 - 200:** Horizontal distance from the center to the left and right edges of the main work area.
 - 550 (Y-AXIS STROKE):** Total vertical travel.
 - 210:** Vertical distance from the center to the top and bottom edges of the main work area.
 - 340:** Vertical distance from the bottom edge of the main work area to the tool change position.
 - 375:** Horizontal distance from the left edge of the main work area to the tool change position.
- Key Features:**
 - C-AXIS CENTER:** Indicated by a dashed line and an arrow pointing to the center of the main work area.
 - TOOL CHANGE POSITION:** Indicated by a dashed line and an arrow pointing to a circular feature at the bottom left.
 - Rotary Table:** A rectangular feature on the right side of the main work area.

C-AXIS CENTER

Technical drawing of a lathe machine showing dimensions for workpiece diameter and height.

Dimensions shown:

- WORKPIECE DIAMETER: $\phi 500$
- WORKPIECE HEIGHT: 400
- (Z-AXIS STROKE): 550
- 385
- 165
- 50
- A-AXIS CENTER



JU 40 Machining Capability C45 steel

Face Milling

Parameter	Unit	JU 40
Cutter Size	mm	80 x 6z
Spindle Speed	rpm	1000
Feed	mm/mm	1200
Width Of Cut	mm	60
Depth Of Cut	mm	4
Capacity	cc/min	288

Drilling

Parameter	Unit	JU 40
Drill Size	mm	50 x 2z
Spindle Speed	rpm	1000
Feed	mm/mm	150
Depth of Cut	mm	50

TAPPING

Parameter	Unit	JU 40	
		Min	Max
Tap size	mm	M2 x 0.4	M27 x 3.0
Spindle speed	rpm	1200	200
Feed	mm/mm	480	600
Depth of Cut	mm	5	35

Material Removal Rate



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INDIA'S FINEST
RANGE OF CNC MACHINES

Note : Specifications and colours are subject to change without prior notice. Accessories shown may not be part of standard equipment.
Values shown are in test conditions, may vary depending on tools, materials and cutting parameters / conditions.

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