

LEADWELL | V - 40 | 2001 | FANUC 21 M

VERTICAL MACHINING CENTRE



MODEL

V - 40

YEAR

2001

CONTROLLER

FANUC 21 M

The above Info is to the best of our Knowledge, but it's not binding in detail.

TECHNICAL DATA**Capacity**

X – Axis Travel	1020 (40.2) mm(in)
Y – Axis Travel	510 (20.1) mm(in)
Z – Axis Travel	510 (20.1) mm(in)
Distance from table(pallet)top to spindle end	160 – 670 (6.3 – 26.4) mm(in)
Distance from Column from to Spindle Centre	515 (20) mm(in)

Table

Size of Working Surface	1200 x 510 (4721 x 19.7) mm (in) x mm (in)
Permissible Mass of workpiece	500 (1100) Kg(lb)
Table Working surface Configuration	18T x 100 x 5 mm(in)
Height from floor to table top	830 (32.6) mm(in)

Spindle Speed	8000 Min ⁻¹
No of Spindle Speed Ranges	1
Spindle Nose	7/24 Taper, NO40
Spindle Bearing inner Diameter	70 (2.75) mm (in)
Ratio	1 : 1
Max. Spindle Torque	114.6(84.5) NM (ft lbf)
Transmission	H.T.D Belt
Tool Clamping Force	850 (1870) Kg(lb)

Feed Rate

Rapid traverse	20/20/15 (66/66/50) m/min (IPM)
Feed Rate	5(16.6) m/min (IPM)
Jog Feed rate	1260(49.6) mm/min (IPM)

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TECHNICAL DATA

ATC	Drum type	Arm Type
Tool Shank	BT – 40	
Retention Knob	MAS – P40T-I, JIS – B - 6339	
Tool Storage Capacity	20	24
Max. tool Diameter (with adjacent tool) mm(in)	95(3.7)	80(3.15)
Max. tool Diameter (without adjacent tool) mm(in)	150(5.9)	110(4.3)
Max. Tool Mass Kg (lb)	7(15.4)	7(15.4)
Max. Tool length mm(in)	250(9.8)	250(9.8)
Tool change time (tool to tool) Sec	7.5	3
Too Change Time (Chip to Chip) Sec	13	10
Motor	FANUC	Motor type
Spindle Motor (30 min/cont) KW(HP)	9(11.7)	α p 15/8000i
X – Axis Feed Motor KW(HP)	1.2(1.6)	α c8/2000i
Const torque Nm	8	
Thrust force Kgf	410	
Ball Screw mm	ψ 40 x P12 x 1580L	
G00-G	0.23	
Z – Axis Feed Motor KW(HP)	1.8 (2.4)	α C12/2000i
Const torque Nm	12	
Thrust force Kgf	610	
Ball Screw mm	ψ 40 x P10 x 1120L	
G00-G	0.175	
Lubricant Pump Motor (W)	4	
Coolant Pump Motor KW(HP)	50HZ – 0.5(0.67) / 60HZ – 0.76(1)	

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TECHNICAL DATA**Guide way**

X guide Way	LG24 – 35 – 2040L – 2
Width	409(16.1) mm(in)
Guide Distance	774(30.4) mm(in)
Y guide Way	LG24 – 35 – 1240L – 2
Width	928(36.5) mm(in)
Guide Distance	434(17) mm(in)
X guide Way	LG24 – 35 – 1200L – 2
Width	434(17) mm(in)
Guide Distance	437(17.2) mm(in)

Power Source

Electrical power Supply	25 KVA
Compressed Air Pressure	0.6(87) Mpa (Psi)
Compressed Air flow rate	400 L/min

Cutting Capacity

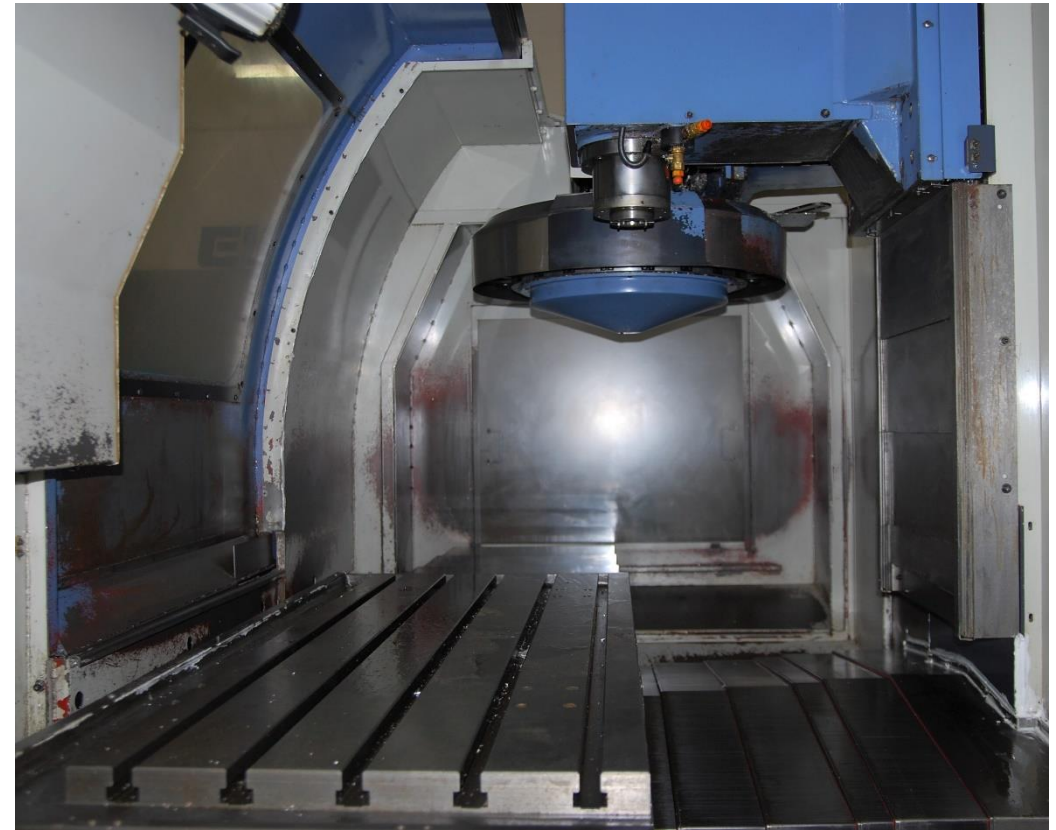
Milling	210 c.c
Drilling	38 mm
Tapping	M30

Machine Size

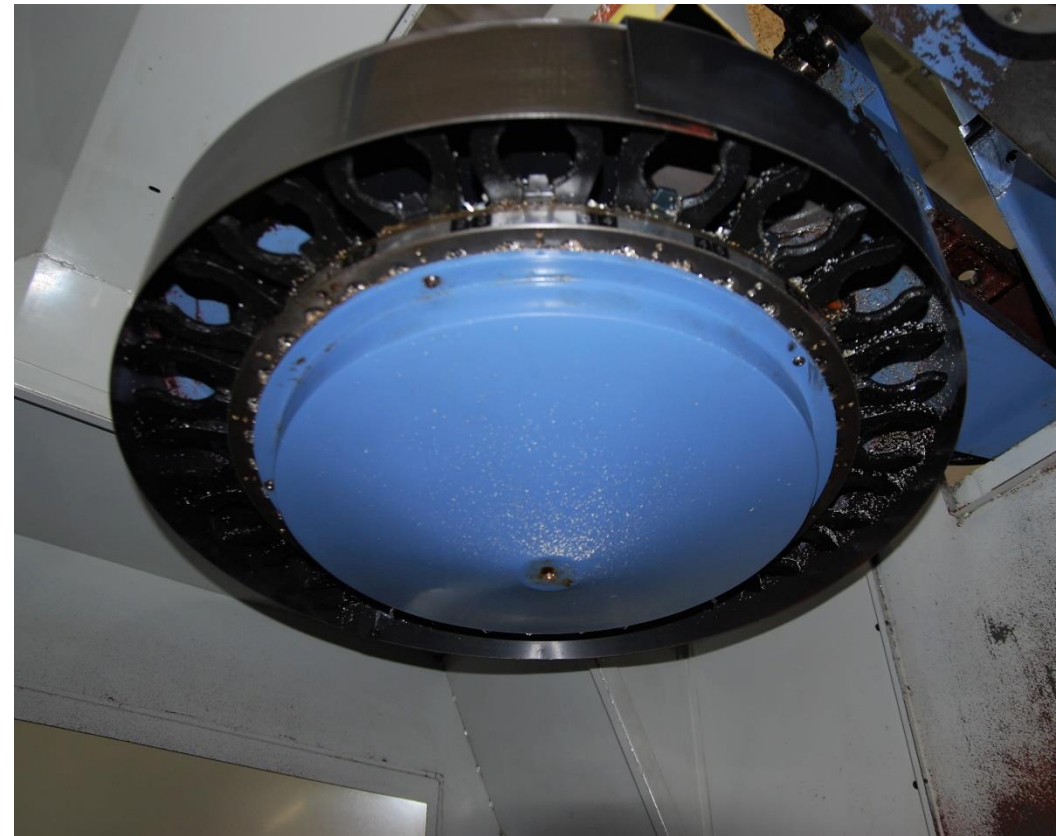
Height of Machine	2585 (101) mm(in)
Floor Space	2990 (117.7) x 2929(115) mmxmm(in)
Mass Of machine	5400 (11880) Kg(lb)

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MACHINE PHOTOS



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