

LV1400/2000

HYUNDAI WIA Ram Type Vertical Turning Center

www.wardcnc.com



Technical Leader

The CNC Turning Center LV1400/2000 Series, designed by Hyundai WIA with years of expertise and the latest technology, is designed to maximize productivity for machining large work.



LV1400

Max. Swing	mm(in)	Ø1,450 (57.1")
Max. Turning Dia.	mm(in)	Ø1,400 (55.1")
Max. Turning Length	mm(in)	850 (33.5")
Table Size	mm(in)	Ø1,000 (39.4")
Max. Load Capacity	kg(lb)	4,400 (9,700)
Speed	r/min	492
Power	kW(HP)	37/30 (49.6/40.2)
Ram Size	mm(in)	200×200 (7.9"×7.9")
Travel (X/Z)	mm(in)	-50~+825 (-2"~+32.5")/800 (31.5")

LV2000MF/MM

Max. Swing	mm(in)	Ø2,040 (80.3")
Max. Turning Dia.	mm(in)	Ø2,000 (78.7")
Max. Turning Length	mm(in)	950 (37.4")/1,700 (66.9")
Table Size	mm(in)	Ø1,600 (63")
Max. Load Capacity	kg(lb)	10,000 (22,046)
Speed	r/min	1~258
Power	kW(HP)	37/30 (49.6/40.2) [45/37 (60.3/49.6)]
Ram Size	mm(in)	240×240 (9.4"×9.4")
Travel (X/Z)	mm(in)	-250~+1,180 (-9.8~+46.5")/915 (36")

Heavy Duty, Large Work Capacity,
Ram Type Vertical Turning Center

LV1400/2000

- Strengthened heavy duty cutting ability with 2 step gear driven spindle(table)
- Main spindle with cross roller bearings and box guideway for high rigidity
- Rigid table structure for processing heavy loads
- 3 step hydraulic cylinder type crossrail(LV2000MM)
- Various Machining : Turning, tapping, milling, grinding etc.(LV2000MF/2000MM)
- Linear scale on all axes as standard (LV2000MF/2000MM)



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01

LV-RAM Type

LV1400

Highly Rigid Bed Structure for Heavy Duty Cutting
Ram Type Vertical Turning Center



01 Highly Stable Bed Structure

40" chuck installed bed with separate Bed Saddle structure minimizes vibration and thermal displacement during heavy duty cutting.

02 Hardened Plate Box Guideway

Highly rigid **hardened plate** attached box guideway increases rigidity and reduces vibration.

Also, **linear scales** on all axes provided as standard enable precise machining.

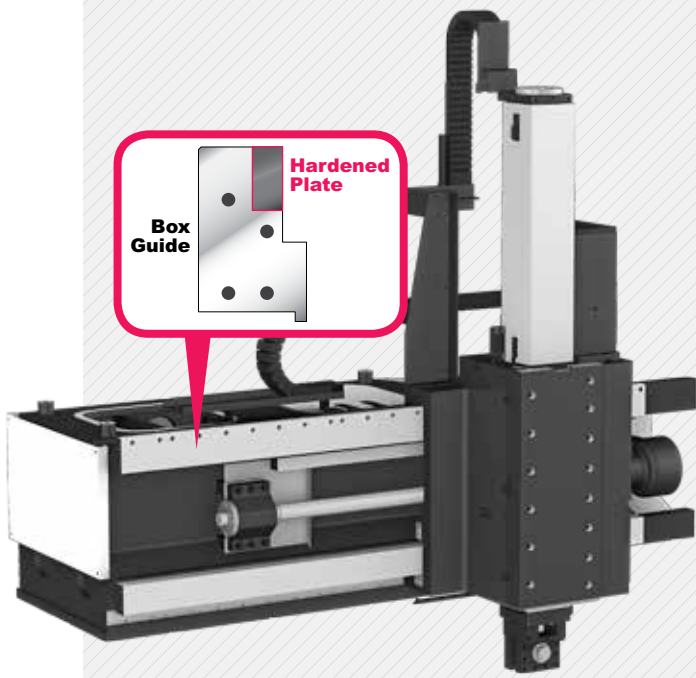
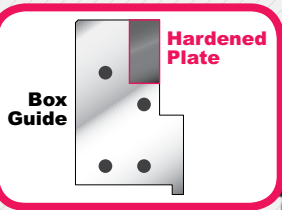
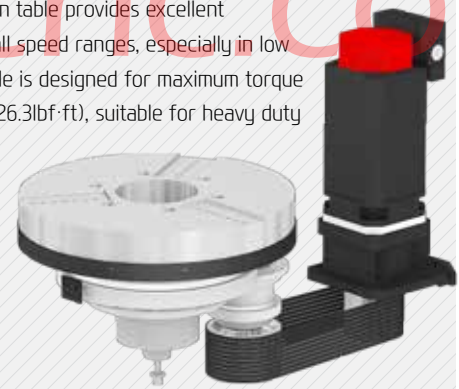
⊙ **Rigidity 10% UP** compared to standard box guideway

02

03 Highly Rigid Table

2 step gear driven table provides excellent performance in all speed ranges, especially in low speed. The spindle is designed for maximum torque of 8,035N·m (5,926.3lb·ft), suitable for heavy duty machining.

03



04 Ram Head

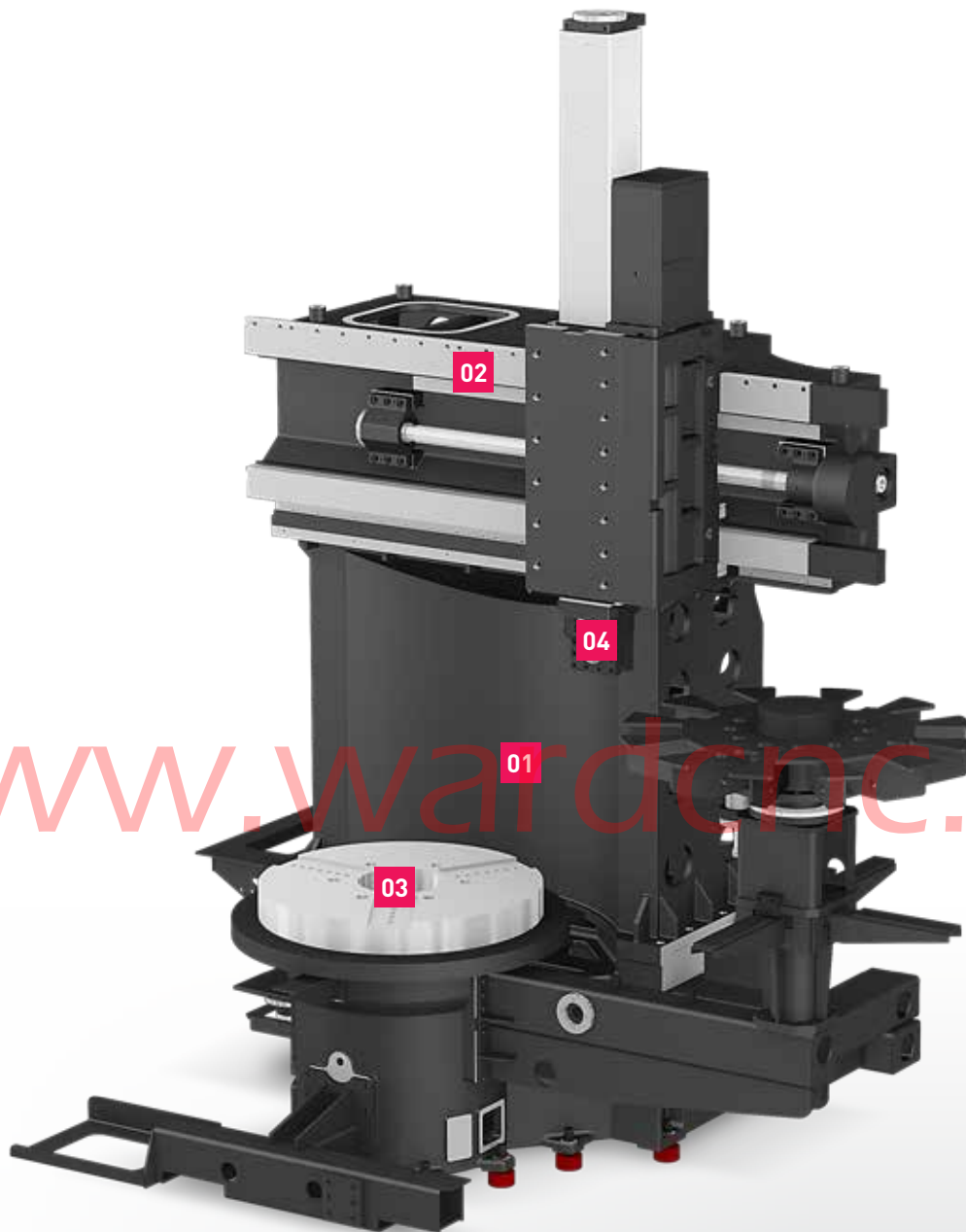
Ram Head Travel : 800 mm (31.5")

Ram Size : 200×200 mm (7.9"×7.9")

04



Basic Structure



Ram Type Vertical Turning Center for Heavy Duty Cutting

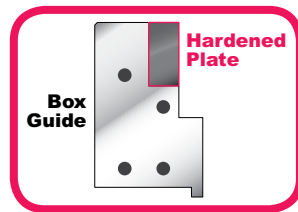
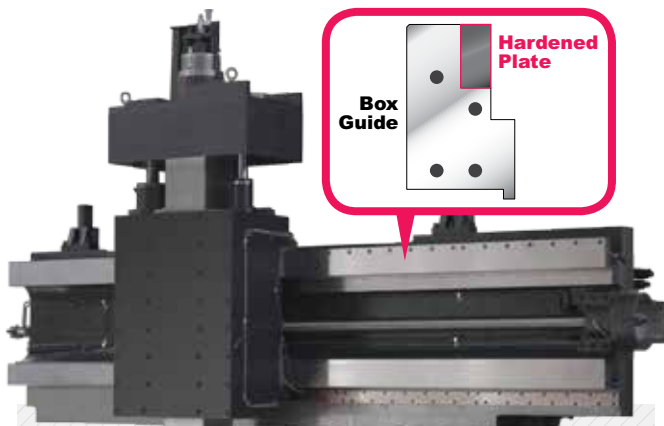
- ◎ **Travel (X/Z Axis)** : -50~+825/800 mm (-2"~+32.5"/31.5")
- ◎ **Table Power (Max./Cont.)** : 37/30 kW (49.6/40.2 HP)
- ◎ **Table Torque (Max./Cont.)** : 8,035/6,515 N·m (5,926.3/4,805.2 lbf·ft)
- ◎ **Number of Tools** : 12 [16 (Only Turning)] Tools
- ◎ **Table Size** : Ø1,000 (39.4")

02

LV-RAM Type

LV2000MF/2000MM

Highly Rigid Bed Structure for Heavy Duty Cutting
Ram Type Vertical Turning Center



01

Hardened Plate Box Guideway

Highly rigid **hardened plate** attached box guideway increases rigidity and reduces vibration.

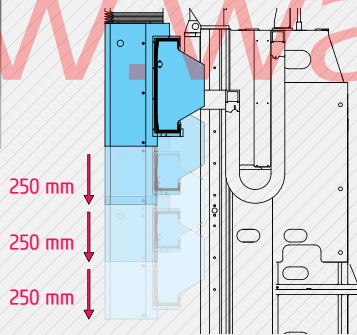
Also, **linear scales** on all axes provided as standard enable precise machining.

- **Rigidity 10% UP** compared to standard box guideway

02

High Rigidity Table

2 step gear driven table provides excellent performance in all speed ranges, especially in low speed. The spindle is designed for maximum torque of 23,242N·m(17,142.4 lbf·ft)-option, suitable for heavy duty machining.



3 Step Crossrail (LV2000MM)

3 step hydraulic cylinder crossrail(250mm (9.8")x3) enables minimization of vibration and load by extending the length of the ram depending on the machining area. This unique design allows high performance in heavy duty operations.

03



Ram Head

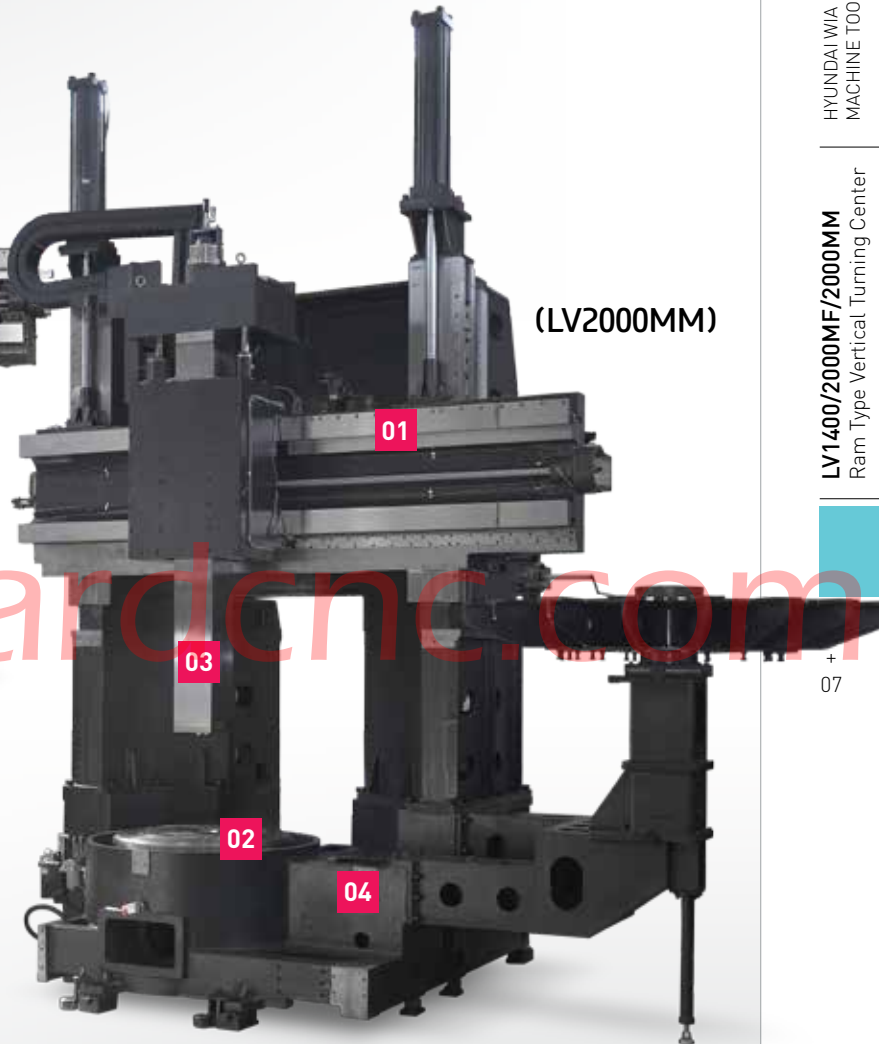
Ram Head Travel : **915 mm (36")**

Ram Size : **240×240 mm (9.4"×9.4")**

(LV2000MF)



(LV2000MM)



04

Highly Rigid Bed Structure

LV2000MF/MM with 63" chuck is optimized for heavy duty cutting. Separate Bed Saddle structure made of cast iron minimizes vibration and thermal displacement

Ram Type Vertical Turning Center for Heavy Duty Cutting

- ◎ **Travel** (X/Z Axis) : -250~+1,180/915 mm (-9.8"~+46.5"/36") (C Axis) : 360°
- ◎ **Table Size** : Ø1,600 (63") ◎ **Number of Tools** : 18 [16 (Only Turning)] Tools
- ◎ **Table Power** (Max/Cont.) : 37/30 [45/37] kW (49.6/40.2 [60.3/49.6] HP)
- ◎ **Table Torque** (Max/Cont.) :
22,096/17,916 [23,242/19,110] N·m (16,297.2/13,214.2 [17,142.4/14,094.8] lbf·ft)

N3

LV-RAM Type

Table & Spindle

Long Lasting High Accuracy & Excellent Performance
Vertical Turning Center



Spindle

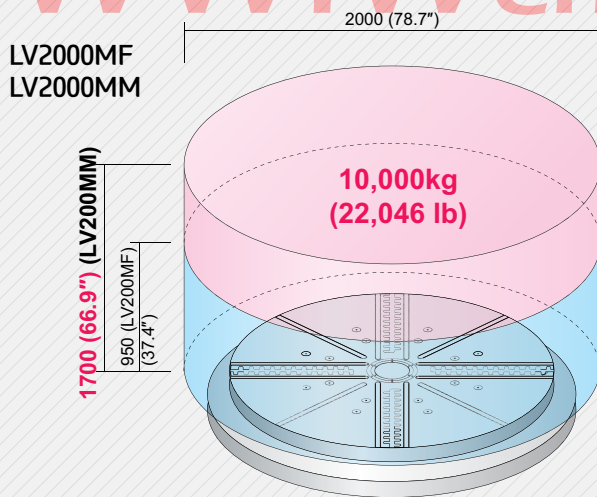
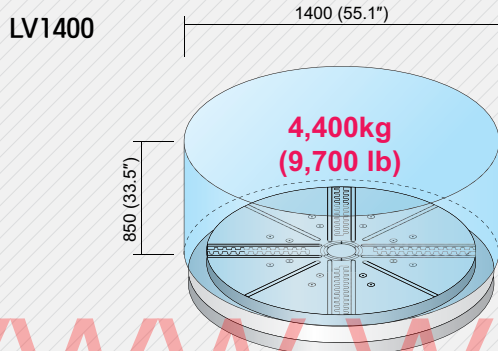
A highly rigid cross roller bearing structure is utilized for heavy duty operations as it minimizes vibration and thermal displacement. LV2000MF/MM includes C-axis control with ring gear and ring sensor which is superior in noise control and precision indexing than other gear box applied machines.

⊙ Max Torque : **23,242** N·m (**17,142.4** lbf·ft)

Table & Spindle

Table Machining Area

The maximum working height of **1,700mm (66.9")** - LV2000MM enables various workpiece machining.

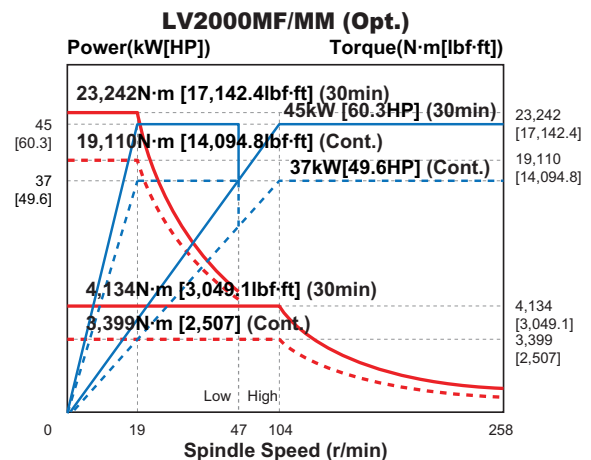
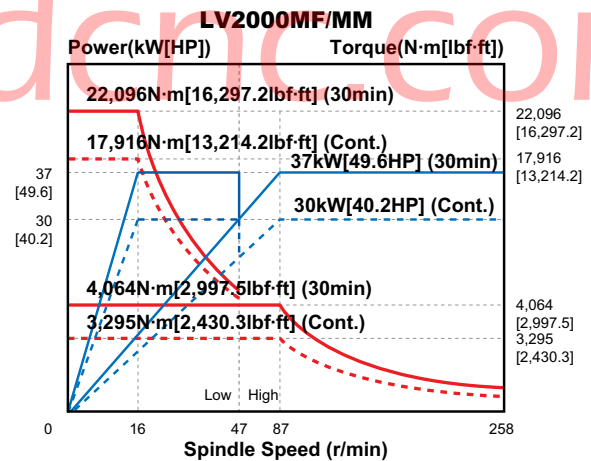
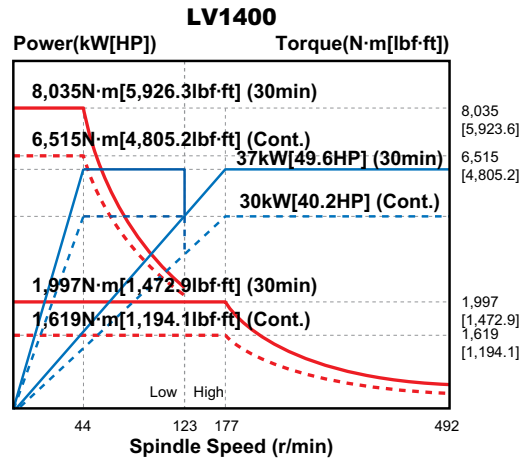


● **Table Size (X/Y axis)**

- LV1400 : \varnothing 1,000 (39.4")
- LV2000MF/MM : \varnothing 1,600 (63")

● **Max. Turning Height**

- LV1400 : 850 mm (33.5")
- LV2000MF : 950 mm (37.4")
- LV2000MM : 1,700 mm (66.9")



04

LV-RAM Type

Ram Head & ATC Magazine

Long Lasting High Accuracy & Excellent Performance
Vertical Turning Center

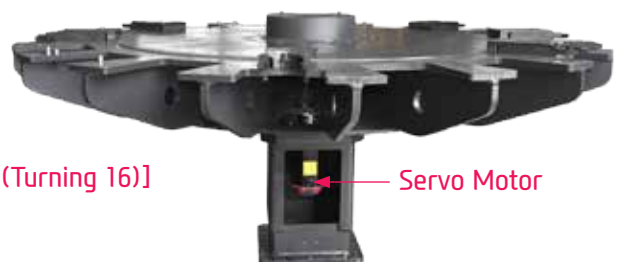


ATC Magazine

ATC is driven by a servo motor which provides faster tool change time and easier maintenance.

LV1400 : 12EA (Turning 12) [16EA (Turning 16)]

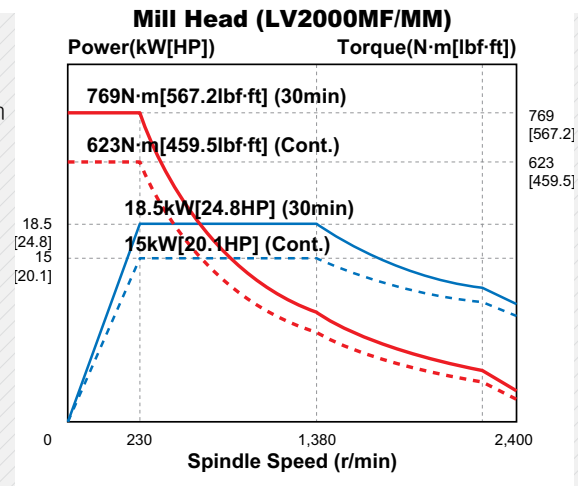
LV2000MF/MM : 18EA (Turning 10 + Milling 7 + Dummy 1) [16EA (Turning 16)]



Ram Head

Various types of machining are possible with ram head; milling with rotary tool, turning, tapping, drilling, grinding and etc.

- ◉ **Ram Head Travel(Z-axis)**
LV1400 : 800 mm (31.5"), LV2000MF/MM : 915 mm (36")
- ◉ **Ram Size**
LV1400 : 200 mm² (7.9 inch²),
LV2000MF/MM : 240 mm² (9.4 inch²)
- ◉ **Max. Torque** : 769 N·m (567.2 lbf·ft)
- ◉ **Live Tool Speed** : 2,400 rpm



Machining Variation



O.D Turning



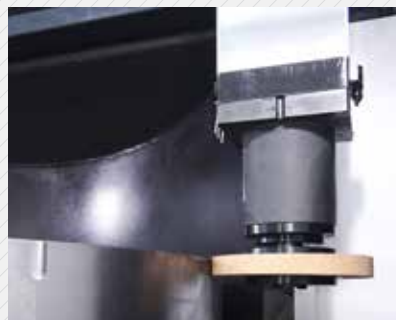
Tapping



Milling



Angular Milling

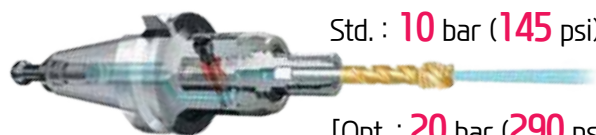


Grinding

- ◉ **Tool Size (O.D./I.D)**
LV1400 : □32/□20 (□1.3"/□0.8")
LV2000MF/MM :
□32/□25 (□1.3"/□1")
- ◉ **Max. Tool Weight** : 50 kg (110.2 lb)
- ◉ **Max. Tool Length**
LV1400 : 400 mm (15.7")
LV2000MF/MM : 740 mm (29.1")

Through Spindle Coolant (LV2000MM/MF)

Through Spindle Coolant is exceedingly useful when drilling deep holes. It helps increase the lifetime of the tool, while decreasing cycle time.



Std. : 10 bar (145 psi)

[Opt. : 20 bar (290 psi)]

05

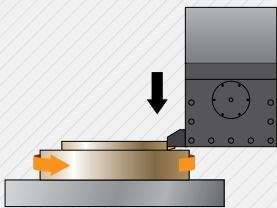
LV-RAM Type

Machining Capability

Excellent Performance, High Accuracy Cutting
Vertical Turning Center



LV2000MM



Turning (O.D.) (Material:JIS-S45C(Carbon steel))

Cutting speed	100 mm/min (3.94 ipm)
Forwarding speed	0.7 mm/min(0.027 ipm)
Depth of cut	14.0 mm
Chip discharge	980 cm ³ /rev

Table Size $\varnothing 2,000(78.7")$ Cutting Capacity

❖ The above results might be different by types of machining circumstances.

Improved Machining Capacity: Tapping
40% UP

Other Machine
M32



LV2000MM

M52



n6

LV-RAM Type

User Convenience

Various Devices for User Convenience

Manual Q-Setter



Quick and accurate tool calibration can be done by contacting the tool tip with the sensor. This process is done easily with the use of M-Code and the calibration process takes roughly 30 seconds.

Controller



Swing Arm Control Panel

Swing arm control panel minimizes unnecessary movement of workers and allows optimal control and handling. The optional CNC 3-axis MPG adds even more accessibility to workers.

Precision Device (LV2000 MF/MM)

Linear Scale

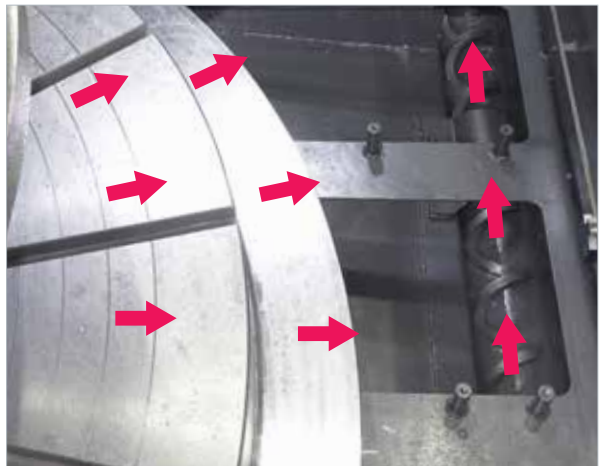
Linear scale increases positioning accuracy and reduces thermal displacement, this ensures high quality end product manufacturing.



Screw Conveyor (LV2000MM)

Improved Chip Disposal Capability

A screw type chip conveyor is located in front of the table which makes chip removal easier.



SPECIFICATIONS

Standard & Option

LV1400	
Standard	Option
40" 3 Jaw Hydraulic Chuck	50" 4 Jaw Independent Chuck
Soft Jaw(1set)	50" 4 Jaw Hydraulic Chuck
Chuck Clamp Foot Switch	Gun Coolant
Chuck Open/Close Confirmation Device	Chip Conveyor (Hinge) Chip disposal : Rear, Right
Standard Tool Holder	Chip Wagon (Standard 180 ℓ [47.5 gal])
Standard Coolant (Nozzle)	Chip Wagon (Swing 200 ℓ [52.8 gal])
Bed Flushing	Chip Wagon (Large Size 330 ℓ [87.2 gal])
Coolant Tank	Q-setter
Front Door Inter-Lock	Air Conditioner
3 Color Call Light	Oil Skimmer
Work Light	3 Color Call Light & Buzzer
Leveling block	Transformer
Foundation Bolt & Nut	Auto Power Off X,Z Axis Linear Scale High Column 200mm(7.9") LP Air Gun

LV2000MF/MM	
Standard	Option
63" Manual Table Chuck JAW 4ST	SP. Thru Coolant (20bar [290 psi])
Standard Tool Holder	Gun Coolant
Standard Coolant (Nozzle)	Chip Conveyor (Hinge) Chip disposal : Rear, Right
SP. Thru Coolant (10bar [145 psi])	Chip Wagon (Standard 180 ℓ [47.5 gal])
Air Gun	Chip Wagon (Swing 200 ℓ [52.8 gal])
Coolant Tank	Chip Wagon (Large Size 330 ℓ [87.2 gal])
Front Door Inter-Lock	Q-setter
3 Color Call Light	Air Conditioner
Work Light	Oil Skimmer
Leveling block	3 Color Call Light & Buzzer
Foundation Bolt & Nut	Transformer
X,Z Axis Linear Scale	Auto Power Off
Bed Flushing	Mill Removal

Standard Tool Holder

LV1400	1084-40-203: FACE HOLDER A(2EA)	1084-40-204: BORING BAR HOLDER (2EA)
	1084-40-205: FACE HOLDER B(1EA)	1084-40-206: FACE HOLDER C(1EA)
	1084-40-207: BORING BAR(1EA)	1084-40-208: BORING BAR(1EA)
LV2000MF/MM	1085-40-201: FACE HOLDER A(2EA)	1085-40-204: BORING BAR HOLDER (2EA)
	1085-40-305: BORING BAR (1EA)	1085-40-306: BORING BAR (1EA)

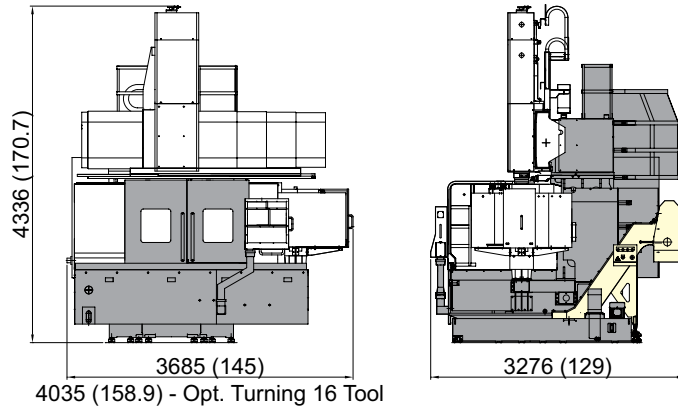
Please see p.16 & 17 for more information.

SPECIFICATIONS

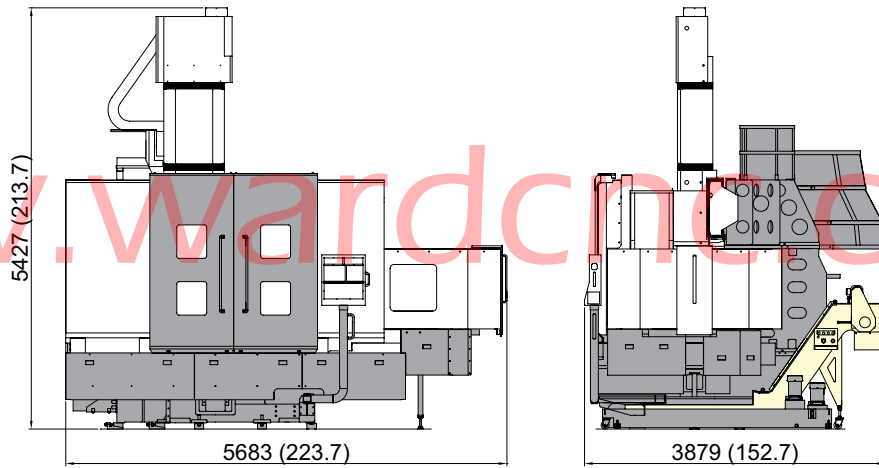
External Dimensions

unit : mm(in)

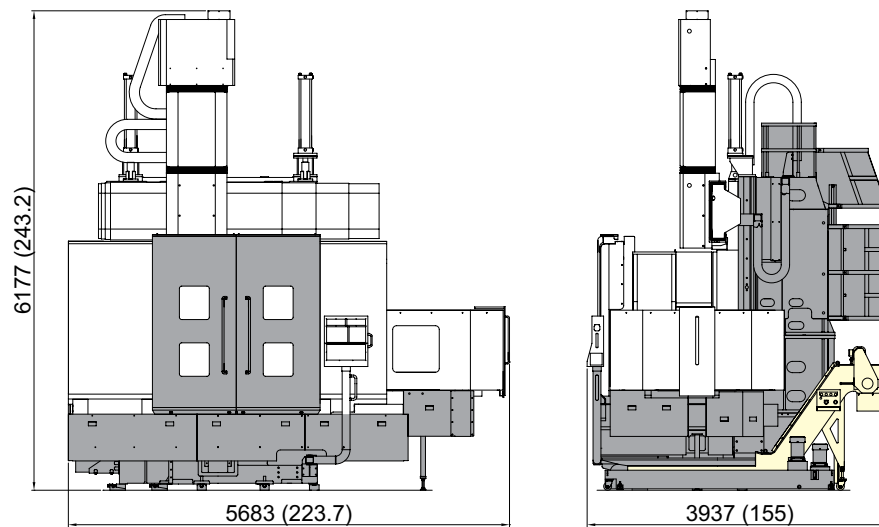
LV1400



LV2000MF



LV2000MM



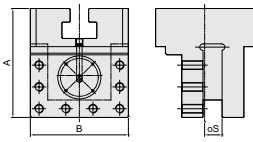
SPECIFICATIONS

Tooling System

unit : mm(in)

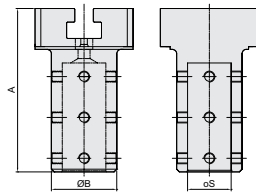
LV1400

FACE HOLDER A



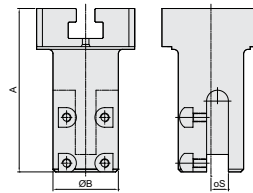
Model	A	B	S	
1084-40-203	200 (7.9)	180 (7.1)	32 (1.3)	STD.

BORING BAR HOLDER



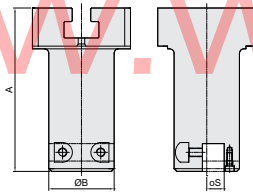
Model	A	B	S	
1084-40-204	300 (11.8)	120 (4.7)	80 (3.1)	STD.

FACE HOLDER B



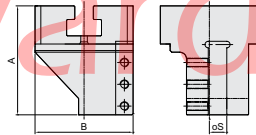
Model	A	B	S	
1084-40-205	300 (11.8)	120 (4.7)	32 (1.3)	STD.

FACE HOLDER C



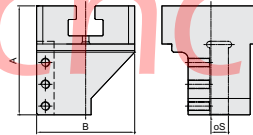
Model	A	B	S	
1084-40-206	300 (11.8)	120 (4.7)	32 (1.3)	STD.

FACE HOLDER R



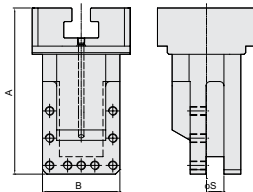
Model	A	B	S	
1084-40-210	200 (7.9)	180 (7.1)	32 (1.3)	OPT.

FACE HOLDER L



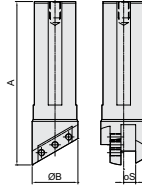
Model	A	B	S	
1084-40-211	200 (7.9)	180 (7.1)	32 (1.3)	OPT.

FACE HOLDER



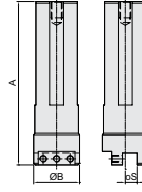
Model	A	B	S	
1084-40-212	305 (12)	142 (5.6)	32 (1.3)	OPT.

BORING BAR



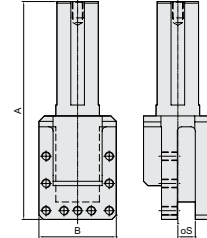
Model	A	B	S	
1084-40-207	300 (11.8)	84 (3.3)	22 (0.9)	STD.
1084-40-213	200 (7.9)	84 (3.3)	22 (0.9)	OPT.

BORING BAR



Model	A	B	S	
1084-40-208	300 (11.8)	84 (3.3)	22 (0.9)	STD.
1084-40-214	400 (15.7)	84 (3.3)	22 (0.9)	OPT.

EXTENSION BAR



Model	A	B	S	
1084-40-209	400 (15.7)	142 (5.6)	32 (1.3)	OPT.

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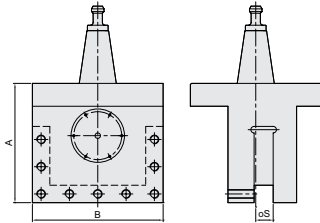
SPECIFICATIONS

Tooling System

unit : mm(in)

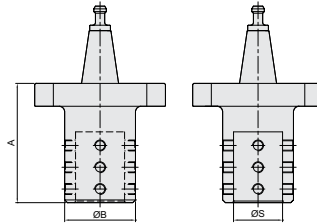
LV2000MF/MM

FACE HOLDER-A



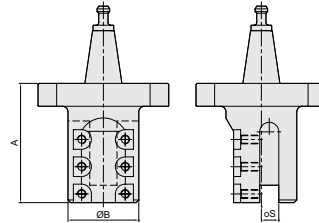
Model	A	B	S	
1085-40-201	219 (8.6)	240 (9.4)	32 (1.3)	STD.

BORING BAR HOLDER



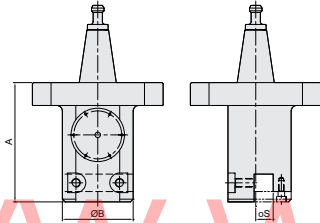
Model	A	B	S	
1085-40-204	219 (8.6)	130 (5.1)	90 (3.5)	STD.

FACE HOLDER-B



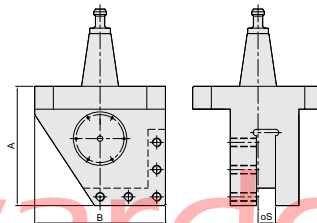
Model	A	B	S	
1085-40-202	219 (8.6)	130 (5.1)	32 (1.3)	OPT.

FACE HOLDER-C



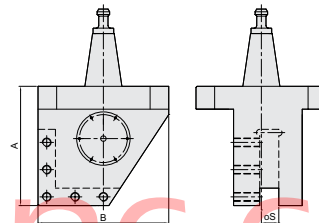
Model	A	B	S	
1085-40-203	219 (8.6)	130 (5.1)	32 (1.3)	OPT.

FACE HOLDER-R



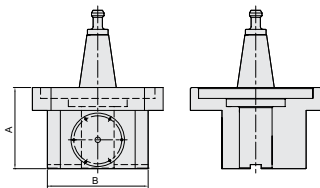
Model	A	B	S	
1085-40-206	219 (8.6)	240 (9.4)	32 (1.3)	OPT.

FACE HOLDER-L



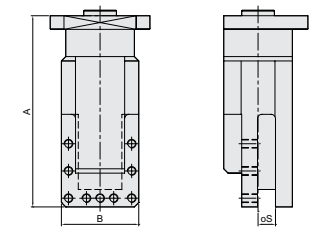
Model	A	B	S	
1085-40-205	219 (8.6)	240 (9.4)	32 (1.3)	OPT.

CONNECTION HOLDER



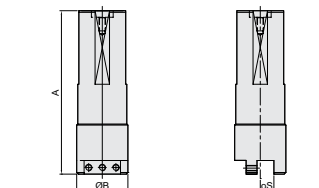
Model	A	B	S	
1085-40-209	149 (5.9)	185 (7.3)	-	OPT.

EXTENSION HOLDER



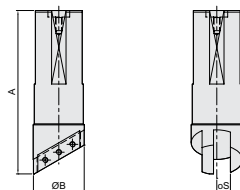
Model	A	B	S	
1085-40-208	351 (13.8)	142 (5.6)	32 (1.3)	OPT.

BORING BAR



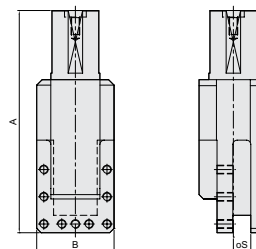
Model	A	B	S	
1085-40-305	300 (11.8)	94 (3.7)	25 (1)	STD.
1085-40-307	400 (15.7)	94 (3.7)	25 (1)	OPT.

BORING BAR



Model	A	B	S	
1085-40-306	300 (11.8)	94 (3.7)	25 (1)	STD.
1085-40-308	400 (15.7)	94 (3.7)	25 (1)	OPT.

EXTENSION BAR



Model	A	B	S	
1085-40-207	408 (16.1)	142 (5.6)	32 (1.3)	OPT.

SPECIFICATIONS

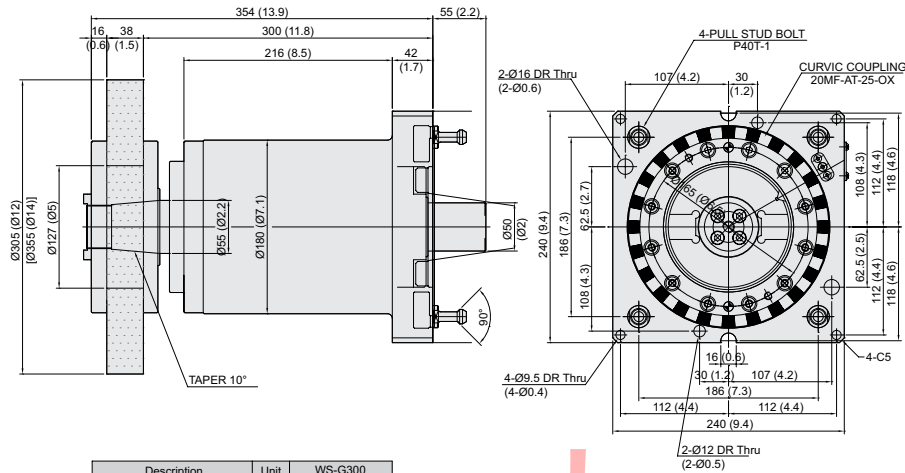
Tooling System

unit : mm(in)

LV2000MF/MM

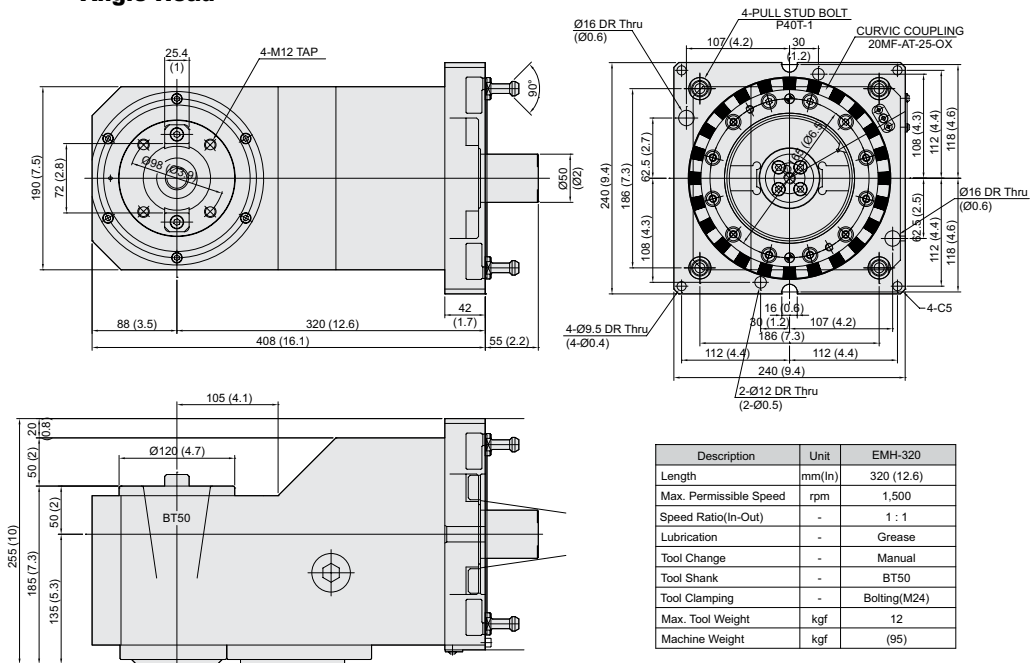


Grinding Head



Description	Unit	WS-G300
Length	mm(in)	300 (11.8)
Max. Permissible Speed	rpm	1800
Speed Ratio(In-Out)	-	1 : 1
Lubrication	-	Grease

Angle Head

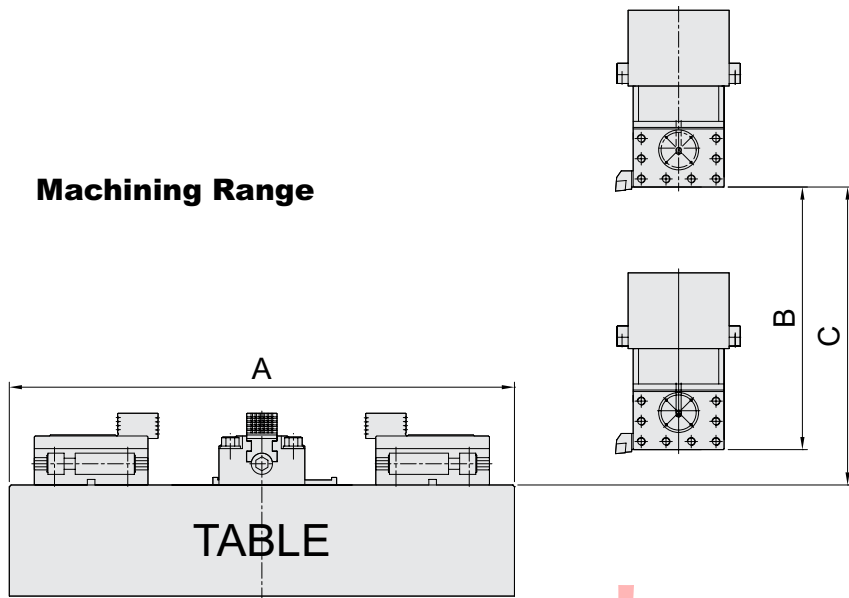


Description	Unit	EMH-320
Length	mm(in)	320 (12.6)
Max. Permissible Speed	rpm	1,500
Speed Ratio(In-Out)	-	1 : 1
Lubrication	-	Grease
Tool Change	-	Manual
Tool Shank	-	BT50
Tool Clamping	-	Bolting(M24)
Max. Tool Weight	kgf	12
Machine Weight	kgf	(95)

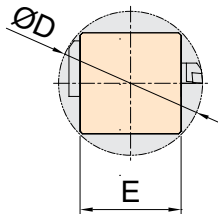
SPECIFICATIONS

Tooling Travel Range

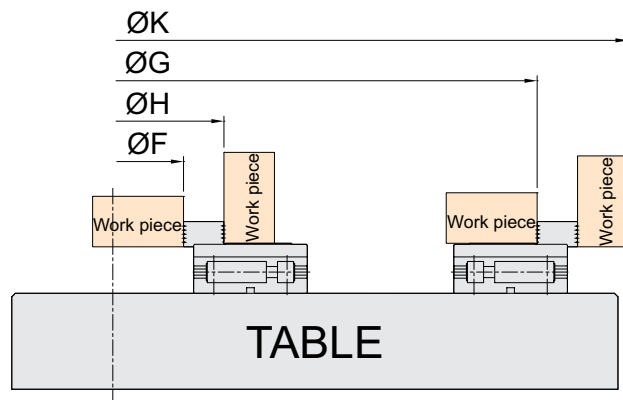
unit : mm(in)



Minimum Boring



Chucking Range



Model	A	B	C	D	E	F	G	H	K	
LV1400	1000 (39.4)	800 (31.5)	850 (33.5)	285 (11.2)	200 (7.9)	319 (12.6)	*	*	1052 (41.4)	Hydraulic Chuck (STD.)
	1000 (39.4)	800 (31.5)	850 (33.5)	285 (11.2)	200 (7.9)	220 (8.7)	890 (35)	360 (14.2)	1000 (39.4)	Independent Chuck (OPT.)
LV2000MF	1600 (63)	915 (36)	950 (37.4)	335 (13.2)	240 (9.4)	291 (11.5)	1501 (59.1)	451 (17.8)	1661 (65.4)	Independent Chuck (STD.)
LV2000MM	1600 (63)	915 (36)	MAX.1700 (MAX.67) MIN.950 (MIN.37.4)	335 (13.2)	240 (9.4)	291 (11.5)	1501 (59.1)	451 (17.8)	1661 (65.4)	Independent Chuck (STD.)

* : The shape of soft jaw changes chucking area.

SPECIFICATIONS

Specifications

[] : Option

ITEM		LV1400	LV2000MF	LV2000MM	
CAPACITY	Max. Swing	mm(in) Ø1,450 (57.1")	Ø2,040 (80.3")		
	Max. Turning Dia.	mm(in) Ø1,400 (55.1")	Ø2,000 (78.7")		
	Max. Turning Height	mm(in) 850 (33.5")	950 (37.4")	1,700 (66.9")	
	Max. Load Capacity	Kg(lb) 4,400 (9,700)	10,000 (22,046)		
FEED	X-Axis	mm(in) -50 ~ +825 (-2"~+32.5")	-250 ~ +1,180 (-9.8"~+46.5")		
	Z-Axis	mm(in) 800 (31.5")	915 (36")		
	C-Axis	deg	360		
	W-Axis	mm(in)	-		
RAPID TRAVERSE RATE	X/Z-Axis	m/min(ipm)	12/12 (472/472)		
	C-Axis	deg/min	-	750	
RAM HEAD	Ram Size	mm(in) 200 (7.9")	Turning 240 (9.4") (Milling BT50)		
	Live Tool Speed	r/min	-	2,400	
	Live Tool Power (Max./Cont.)	kW(HP)	-	18.5/15 (25/20.1) [High Torque Motor]	
	Live Tool Torque	N·m (lbf·ft)	-	769 (567.2)	
TABLE	Table Size	mm(in) Ø1,000 (39.4")	Ø1,600 (63")		
	Table Speed	r/min	492	258 [258]	
	Table Torque	N·m (lbf·ft)	8,035 (5,926.3)	22,096 (16,297.2) [23,242 (17,142.4)]	
	Table Power (Max./Cont.)	kW(HP)	37/30 (49.6/40.2)	37/30 (49.6/40.2) [45/37 (60.3/49.6)]	
ATC	Number of Tools	EA	12 [16] (Turning 12 [16])	18 (Turning 10 + Milling 7 + Dummy 1) [16 (Turning 16)]	
	Tool Size	OD	Ø32 (1.3")		
		ID	Ø20 (Ø0.8")	Ø25 (Ø1")	
POWER	Electric Power Supply	kVA	45	65	
MACHINE	Floor Space (L×W)	mm(in)	3,685×3,276 (145.1"×129")	5,683×3,879 (223.7"×152.7")	5,683×3,937 (223.7"×155")
	Height	mm(in)	4,336 (170.7")	5,427 (213.7")	6,177 (243.2")
	Weight	kg(lb)	14,500 (31,967)	25,000 (55,116)	29,000 (63,934)
PC	Controller	-	FANUC 32i-A		

SPECIFICATIONS

FANUC 32i-A

Axis control / Display unit	
Controlled axes	Max. 4 axes are available X, Z axes X, Z, C axes (M type machine) X, Z, Y, C axes (Y type machine) X, Z, B, C axes (MS type machine)
Simultaneous controllable axes	2axes / Linear and circular (Max. 4axes)
Least input increment	X, Z, Y, B axes : 0.001 mm (0.0001") C axis : 0.001 deg
Least command increment	X, Z, Y, B axes : 0.001 mm (0.0001") C axis : 0.001 deg
High speed HRV control	
Inch / Metric conversion	G20 / G21
Interlock	Each axis / All axes
Machine lock	All axes
Emergency stop	
Stored stroke check 1	Over-travel
Stored stroke check 2	
Stored stroke check 3	
Follow-up	
Servo-off	
Backlash compensation	+/- 0~9999 pulses (Rapid traverse & cutting feed)
Position switch	
Unexpected disturbance torque detection	Back-spin torque limiter (BST)
High resolution transfer control (HRM)	
LCD / MDI	10.4" Color LCD
Operation	
Automatic operation (memory)	
MDI operation	
Search function	Sequence, program
Program restart	
Wrong operation prevention	
Buffer register	
Program check function	Dry run., program check
Single block	
Feed functions	
Manual jog feed	Rapid, jog, handle
Manual handle feedrate	x1, x10, x100
Feed command	F code feedrate direct command
Feedrate override	0~200 % (10% units)
Jog override	0~2,000 mm/min[79 ipm]
Rapid traverse override	F1, F5, F25/F50, F100%
Override cancel	
Feed per minute / rotation	
Program input & interpolation functions	
Piano interpolation	Positioning / Linear / Circular (G00 / G01 / G02, G03)
Dwell	G04, 0~9999.9999 sec
Thread retract	
Variable lead threading	
1st reference point return	G28, manual
Reference point return check	G27
2nd reference point return	G30
Program stop / End	M00, M01 / M02, M30
Tape code	EIA / ISO
Optional block skip	1 ea
Maximum programmable dimensions	+/- 9999.9999"
Program number	0+4 digits
Absolute and incremental programming	
Decimal point input	
Plane selection	G17, G18, G19
Work coordinate system selection	G52 to G59
Manual absolute	"ON" Fixed
G code system	A
Programmable data input	G10
Sub program call	10 folds nested
Custom macro B	

Program input & interpolation functions	
Addition of custom macro common variable	#100 to #199, #500 to #999
Multiple repetitive cycles	
Multiple repetitive cycles II	
Canned cycles for turning	
Manual guide i	Conversational programming
Sub / Main spindle function	
M-Code function	M4 digits
M-Code function lock	
Lock sp. speed command	S4 digits, binary output
Main sp. constant control	G96, G97
Spindle speed override	50% to 150% (10% units)
Spindle position decision	
Rigid tapping	
Tool function / Tool compensation	
Tool function	T2 + 2
Tool offset pairs	64 pairs
Tool offset	
Tool nose radius compensation	G40, G41, G42
Direct input of measured tool compensation value B	
Tool life management	
Data in/output & editing functions	
Reader / Puncher interface	RS232C
Memory card input/output	
Part program storage length	256 Kbyte
Number of registrable programs expansion	Max. 500 programs
Memory lock	
Background editing	
Extended part program edition	Copy, move, change of NC program
Display, diagnosis & setting functions	
Self-diagnosis function	
History display	Alarm & operation display
Help function	
External message	
Run hour / Parts count display	
Display of actual spindle speed and T code	
Actual cutting feedrate display	
Operating monitor screen	Rod meter light
Graphic display	
Spindle / Servo setting screen	
Selection of 5 optional language	
LCD screen display	Screen saver
Automatic data backup	
Functions according to machine specification	
Cs contouring control	Turn mill
Stored pitch error compensation	Turn mill
Polar coordinate interpolation	Turn mill
Cylindrical interpolation	Turn mill
Canned cycles for drilling	Turn mill
spindle orientation expansion	Turn mill, Sub spindle
Spindle synchronous control	Sub spindle
Torque control	Sub spindle
Y axis offset	Y type machine
Angular axis control	Y type machine
Option	
High speed Ethernet	100 Mbps (Option board is required)
Optional block skip	9 ea
3rd & 4th reference point return	
G code system	B / C
Part program storage length	512 Kbyte
Polygon turning	
Helical interpolation	
Dynamic graphic display	
Protection of data at 8 levels	
Direct drawing dimension programming	Included chamfering / Corner R

Figures in inch are converted from metric values.

The FANUC controller specifications are subject to change based on the policy of company CNC supplying.

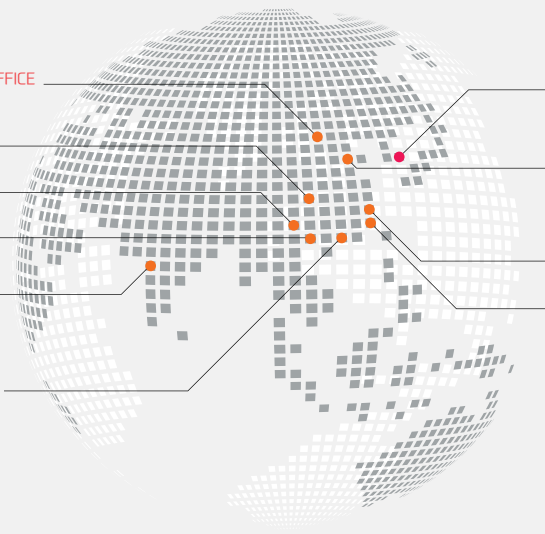
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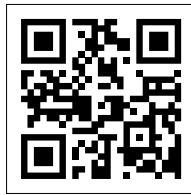
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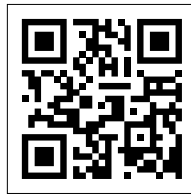
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LV1400 Movie



LV2000MM Movie

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