



UM 320S

Universal Milling machine

Working Table: 320mmx750mm

X/Y/Z Travel stroke: 400/200/360mm



UM 340S

Universal Milling machine

Working Table: 400mmx800mm

X/Y/Z Travel stroke: 400/300/380mm



DM 560S

Universal Milling machine

Working Table: 500mmx900mm

X/Y/Z Travel stroke: 560/420/395mm



UM 600S

Universal Milling machine

Working Table: 500mmx900mm

X/Y/Z Travel stroke: 600/480/390mm

High Light

Specification

**Standard
Accessorie**

**Optional
Accessorie**

High Light

1. Automatically feeding travel on X/Y/Z axes by servo motor & driver.
2. Slide ways are hardened and precision ground on the column & vertical table surface.
3. T-slot from the Vertical table is 14H7 class with hardened and grind surface, customer is easy to mounting the precision vice for the fine cutting work as smoothly.
4. Vertical Milling head can be rotating +/-90° on both right & left side.
5. Quill stroke is 120mm, to working the handle located on right side of head stock.
6. Quill stroke is 80mm, to working the handle located on right side of head stock (DM560S).
7. UM-320S/340S= The X, Y, Z axes are dovetail way.
8. UM-600S= The X, Y axes are dovetail way, Z axis is square way.
9. DM-560S= The Y axis are dovetail way, X, Z axes is square way.
10. The X, Y, Z axis are transmitted by precision ball screw.
11. The operating control panel with radial arm type, which will be more convenient for the operator to work the machine at right side.
12. Joystick switch for X/Y & Z axes.
13. We are including MPG hand wheel for X/Y/Z axes as optional.
14. We can install VS Geared box for UM-600S as optional. (48-3800rpm)
15. DM-560S are installed with Hydraulic clamping kit (DIN69871) onto both Vertical/Horizontal spindle as standard.
16. Can be install with Hydraulic clamping kit (DIN69871) & air power drawbar system, DRO system and auto lube system as optional.

Specification

UNIT: MM, 50Hz

ITEMS	Description	UM-320S	UM-340S
TABLE	Table size	320 x 750	400 x 800
	Vertical table size	220 x 830	220 x 830
	T-slots, Work Table	14 x 63 / 5no.	14 x 63 / 6no.
	T-slots, Vertical Table	14 x 126 / 2no.	14 x 126 / 2no.
	Table load capacity (kg)	285	285
TRAVEL	X axis	400/360	400/360
	Y axis	200/185	300/280
	Z axis	360/340	380/365
VERTICAL SPINDLE	Spindle nose	NT-40 (ISO-40)	NT-40 (ISO-40)
	Range of Spindle speed	12 no. 50 – 2000rpm	12no. 50 – 2000rpm
	Spindle travel	120	120
	Swiveling angle	+/-90°	+/-90°
	Spindle nose to Table	75 – 420	175 – 575
	Center to Column	Min. 120	Min. 135
	Center to Column	Max. 520	Max. 635
HORIZONTAL SPINDLE	Spindle Nose	NT-40 (ISO-40)	NT-40 (ISO-40)
	Range of Spindle speed	12 no. 50 – 2000rpm	12no. 50 – 2000rpm
	Center to Table surface	105 – 445	128 – 513
FEED	X/Y/Z axes (mm/min)	8 – 650	8 – 650
RAPID FEED	X/Y/Z axes (mm/min.)	1200	1200
MOTOR	Motor for Ver./Hor. (kw)	2.2	2.2
	Table feed (X/Y/Z) (kw)	1.0	1.0
	Coolant Pump (kw)	0.09	0.09
SIZE	Machine dimension (cm)	120 x 132 x 180	120 x 146 x 192
	Net Weight (kg)	1380	1550
	Gross Weight (kg)	1460	1650

- We reserve all right of descriptions and specifications. All subject to be changed without notice.

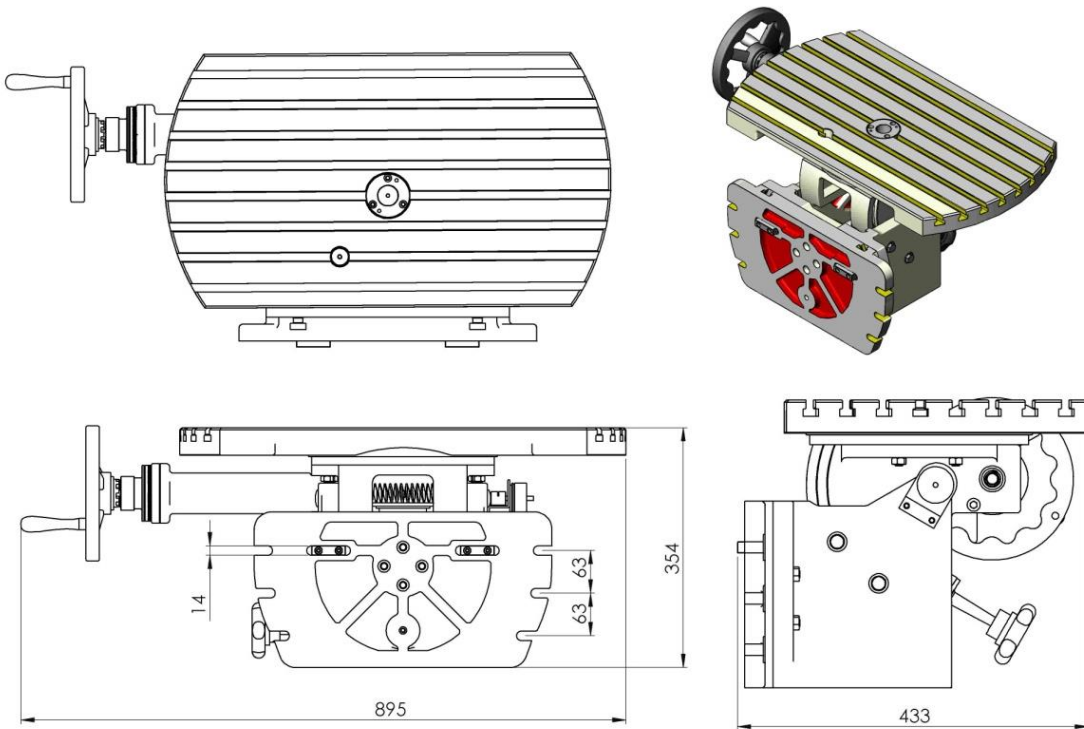
ITEMS	Description	DM-560S	UM-600S
TABLE	Table size	500 x 900	500 x 900
	Vertical table size	300 x 960	250 x 1200
	T-slots, Work Table	14 x 63 / 7no.	14 x 63 / 7no.
	T-slots, Vertical Table	14 x 63 / 4no.	14 x 63 / 3no.
	Table load capacity (kg)	385	360
TRAVEL	X axis	560	600/580
	Y axis	420	480/460
	Z axis	395	390/380
VERTICAL SPINDLE	Spindle nose	DIN-40 (DIN69871)	NT-40 (ISO-40)
	Range of Spindle speed	4 no. 65 – 2600rpm	18no. 40 – 2000rpm
	Spindle travel	80	120
	Swiveling angle	+/-90°	+/-90°
	Spindle nose to Table	70 – 450	58 – 460
	Center to Column	Min. 120	Min. 110
	Center to Column	Max. 540	Max. 560
HORIZONTAL SPINDLE	Spindle Nose	DIN-40 (DIN69871)	NT-40 (ISO-40)
	Range of Spindle speed	4 no. 65 – 2600rpm	18no. 40 – 2000rpm
	Center to Table surface	105 – 520	152 – 580
FEED	X/Y/Z axes (mm/min)	10 – 650	10 – 650
RAPID FEED	X/Y/Z axes (mm/min.)	1200	1200
MOTOR	Motor for Ver./Hor. (kw)	3.75	3.75
	Table feed (X/Y/Z) (kw)	1.0/1.0/2.0	1.0/1.0/2.0
	Coolant Pump (kw)	0.09	0.09
SIZE	Machine dimension (cm)	138 x 160 x 186	140 x 160 x 182
	Net Weight (kg)	1980	1840
	Gross Weight (kg)	2080	1920

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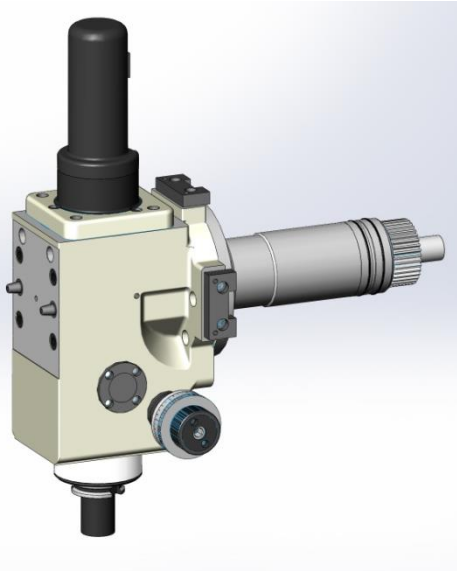
Standard Accessories

1. Completely control panel assembly.
2. Joystick on X/Y & Z axes on the control panel.
3. AC Servo motor on each X/Y/Z axes movement (servo driven)
4. Precision Ball screw on X/Y/Z axes.
5. Geared transmission for the spindle speed (Taiwan made).
6. E-Stop switch build on right side of column.
7. Brake system and pre-load tension seat build on Z axis movement.
8. 3 pcs of reducing sleeves (MT-1, MT-2, MT-3)
9. One-piece drawbar (ISO40) for vertical/horizontal Spindle.
10. Outer arbor support for Hor. Milling w/1pce of long cutter arbor $\Phi 27\text{mm}$.
11. Halogen Work lamp.
12. One-shot lubrication system.
13. Safety handle wheel on X/Y/Z axis.
14. Coolant system.
15. Telescoping dust shield cover for X & Z axis.
16. Spindle guard with interlock switch.
17. Levelling pad & bolts.
18. Tools & tool box.
19. Manual and Spare Parts List

1. Swivel table (ST-3)



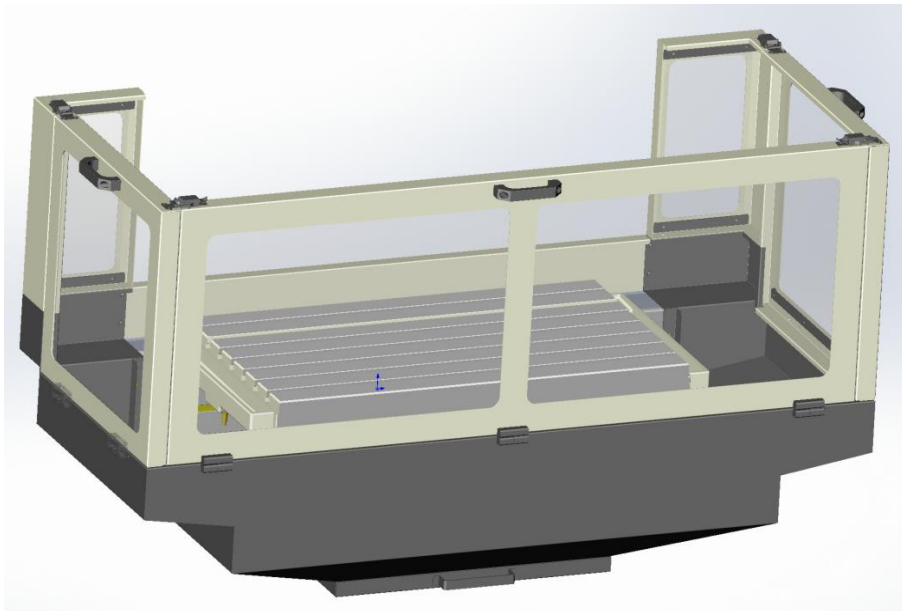
2. Hydraulic clamping kit (DIN40/DIN69871)



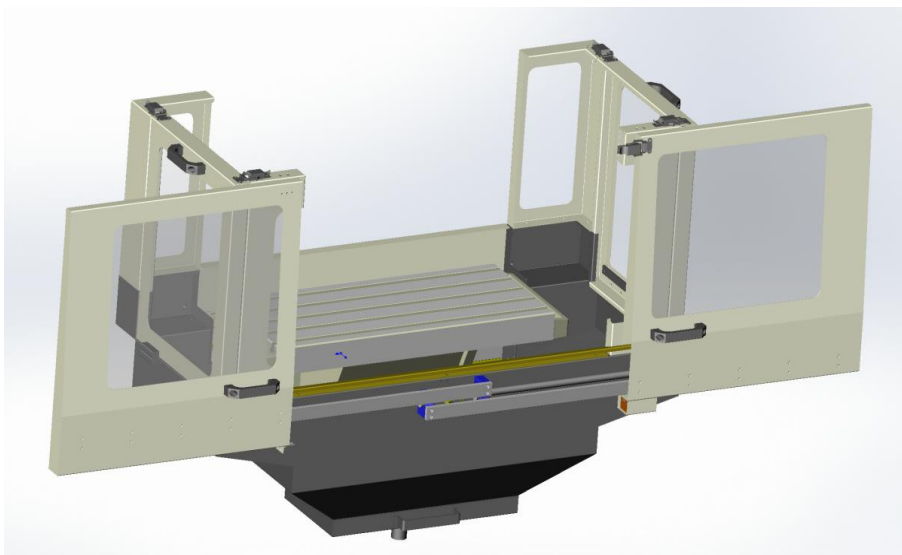
3. LSG-400D Safety guard for Horizontal/Vertical spindle protecting.



4. G1 Type table guard assembly



5. G2 type table guard assembly (with the CE Door switch)



6. TUV-CE license with company information.
7. DRO system (SINO/ EASSON/ FAGOR/ MITUTOYO/ HEIDENHAIN)
8. Long cutter arbors for Horizontal milling ($\Phi 16$, $\Phi 22$, $\Phi 32$ mm on each)
9. Auto lubrication system.
10. SIEMENS switch (CE) inside of Electrical cabinet.
11. Stainless telescopic cover for Z axis upper side.
12. Chromium-plate safety hand wheels on X/Y/Z axis.
13. Collet chuck with 7 pcs collets ($\Phi 6$, 8, 10, 12, 16, 20, 25 mm)
14. LED Work lamp.
15. Air power drawbar system (ISO40/M16) for Vertical spindle head.
16. VS Geared box for Vertical/Horizontal spindle speed on UM-600V (48-3,800rpm)
17. We are including MPG hand wheel for X/Y/Z axes.

