



UM 320V

Universal Milling machine

Working Table: 320mmx750mm

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



UM 340V

Universal Milling machine

Working Table: 400mmx800mm

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



UM 600V

Universal Milling machine

Working Table: 500mmx900mm

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

High Light

Specification

**Standard
Accessorie**

**Optional
Accessorie**

High Light

1. The feed control along the X / Y / Z axes is carried out through a gear motor (ratio 1: 7.5) and an inverter.
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 $\pm 90^\circ$ on both right & left side.
5. Quill stroke is 120mm, to working the handle located on right side of head stock.
6. UM-600V= The X, Y axes are dovetail way, Z axis is square way.
7. UM-320V/340V= The X, Y, Z axes are dovetail way.
8. The X, Y, Z axis are transmitted by precision ball screw.
9. X/Y Axes with Clutch System, Hand wheel movement more easily.
10. The operating control panel with radial arm type, which will be more convenient for the operator to work the machine at right side.
11. Joystick switch for X/Y & Z axes.
12. We can install VS Geared box for UM-600V as optional. (48-3800rpm)
13. Can be installing with Hydraulic clamping kit (DIN69871) & air power drawbar system, DRO system and auto lube system as optional.

Specification

UNIT: MM, 50Hz

ITEMS	Description	UM-320V/340V	UM-600V
TABLE	Table size	320 x 750/ 400x800	500 x 900
	Vertical table size	220 x 830	250 x 1200
	T-slots, Work Table	14 x 63-5no./14x63-6no.	14 x 63 / 7no.
	T-slots, Vertical Table	14 x 126 / 2no.	14 x 63 / 3no.
	Table load capacity (kg)	285	360
TRAVEL	X axis (Manual/Auto)	400 /360	600 /580
	Y axis (Manual/Auto)	200/ 185 ; 300 / 280	480 /460
	Z axis (Manual/Auto)	360 / 340 ; 380 / 365	390 /380
VERTICAL SPINDLE	Spindle nose	NT-40 (ISO-40)	NT-40 (ISO-40)
	Range of Spindle speed	12 no. 50 – 2000rpm	18no. 40 – 2000rpm
	Spindle travel	120	120
	Swiveling angle	+/-90°	+/-90°
	Spindle nose to Table	75 – 420/175-575	58 – 460
	Center to Column	Min. 120 /135	Min. 112
	Center to Column	Max. 520 /635	Max. 590
HORIZONTAL SPINDLE	Spindle Nose	NT-40 (ISO-40)	NT-40 (ISO-40)
	Range of Spindle speed	12 no. 50 – 2000rpm	18no. 40 – 2000rpm
	Center to Table surface	105 – 445 /128-513	152 – 492
FEED	X/Y/Z axes (mm/min)	X/Y:8 – 650 ; Z:450	X/Y:10 – 650 ; Z:450
RAPID FEED	X/Y/Z axes (mm/min.)	X/Y: 1000 ;Z:600	X/Y:1000 ; Z:600
MOTOR	Motor for Ver./Hor. (kw)	2.2	3.75
	Table feed (X/Y/Z) (kw)	0.375	0.375
	Coolant Pump (kw)	0.09	0.09
SIZE	Machine dimension (cm)	118 x 125 x 178	140 x 160 x 182
	Net Weight (kg)	1380 / 1550	1850
	Gross Weight (kg)	1460 / 1650	1950

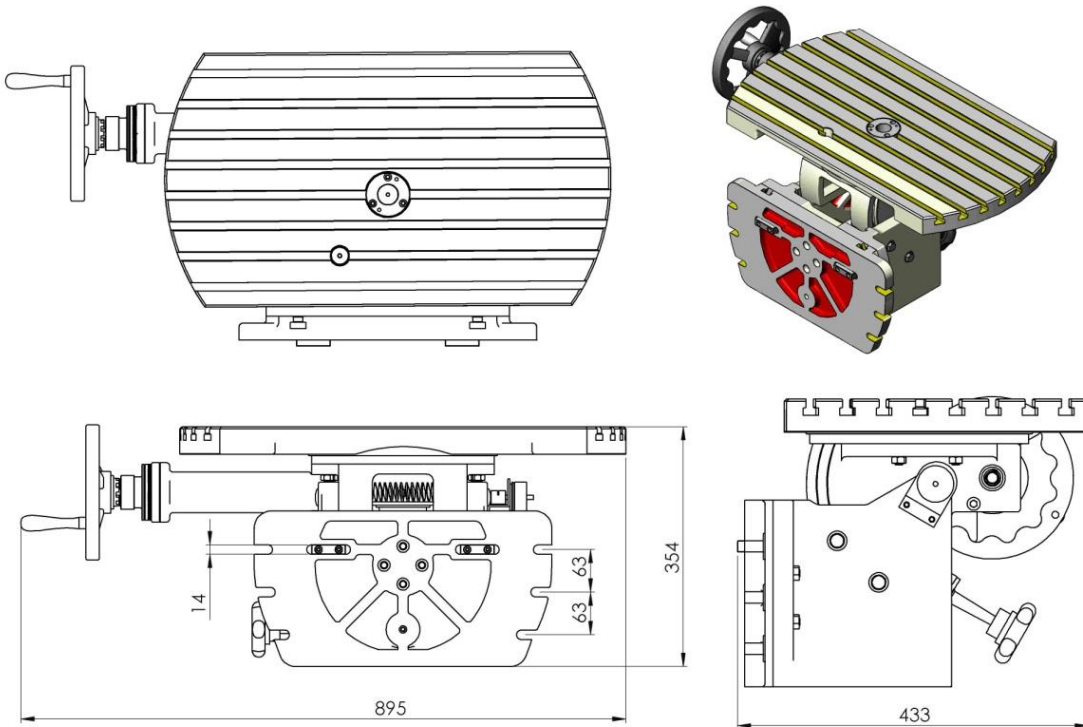
- We reserve all right of descriptions and specifications. All subject to be changed without notice.

Standard Accessories

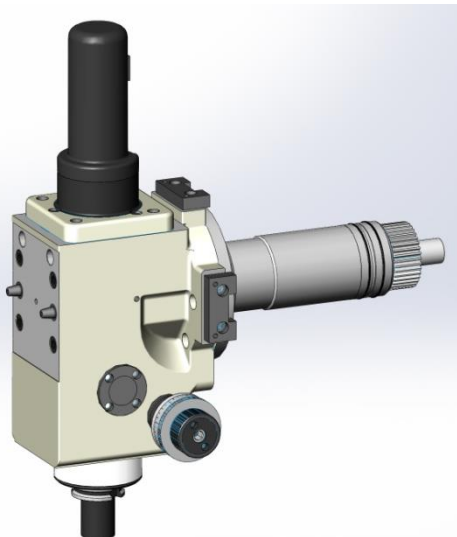
1. Completely control panel assembly.
2. Joystick on X/Y & Z axes on the control panel.
3. Geared type reducing motor (ratio 1:7.5) on each X/Y/Z axes movement (INVERTER driven)
4. Precision Ball screw on X/Y/Z axes.
5. Geared transmission for the spindle speed (Taiwan made).
6. E-Stop switch build on 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. X/Y axes with Clutch System.
10. One-piece drawbar (ISO40) for vertical/horizontal Spindle.
11. Outer arbor support for Hor. Milling w/1pce of long cutter arbor $\Phi 27\text{mm}$.
12. Halogen Work lamp.
13. One-shot lubrication system.
14. Safety handle wheel on X/Y/Z axis.
15. Coolant system.
16. Telescoping dust shield cover for X & Z axis.
17. Spindle guard with interlock switch.
18. Levelling pad & bolts.
19. Tools & tool box.
20. Manual and Spare Parts List

Optional Accessories

1. Swivel table (ST-3)



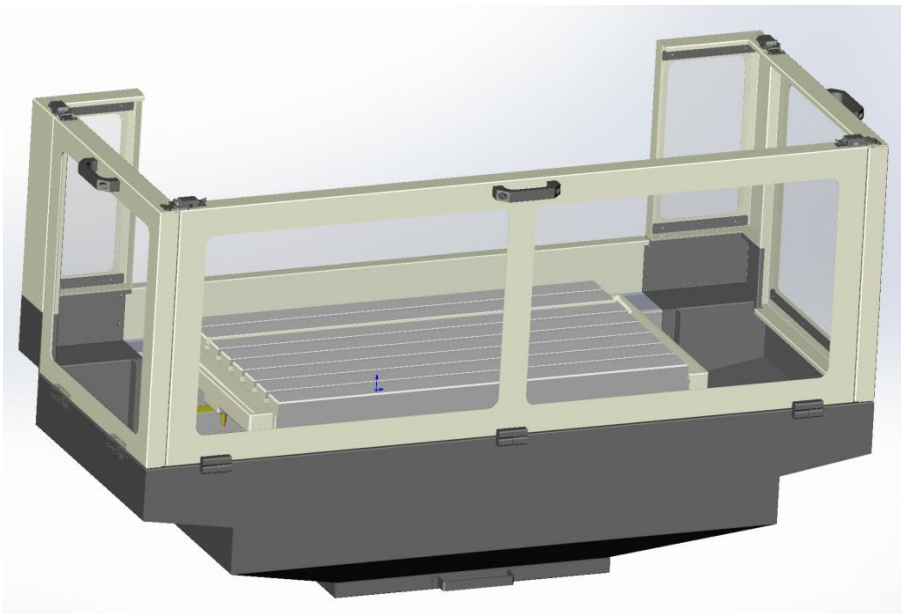
2. Hydraulic clamping kit (DIN40/DIN69871)



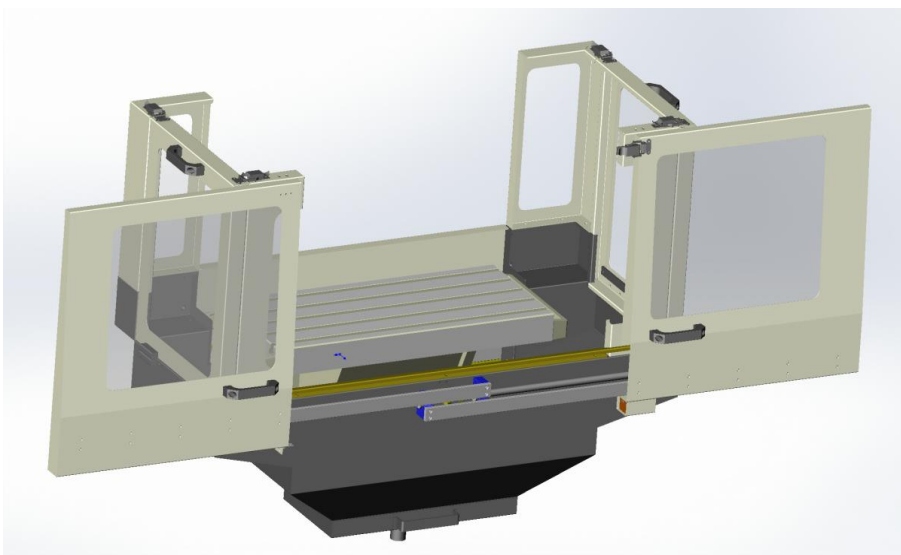
3. LSG-400D Safety guard for Horizontal/Vertical spindle protecting.



4. G1 Type table guard assembly



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



6. TÜV-CE license with company information.

C E R T I F I C A T E



of Conformity
Low Voltage Directive 2014/35/EU

Registration No.: AN 50398058 0001

Report No.: 11040510 002

Holder: Link Precision Machinery Co., Ltd.
No.17, Alley 3,
Lane 735, Tucheng Road,
Dali District, Taichung City 41271
Taiwan, R.O.C.

Product: Milling Machine
(Universal Milling Machine)

Identification: UM-320, UM-600
Serial No.: UM600 (Serial No.: 1604245)
Rated Voltage: AC 400V, 50Hz, 3Phases
Rated Power: 3.0kW (UM-320), 4.85kW (UM-600)
Protection Class : I

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive 2014/35/EU, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.



Certification Body

Date 18.01.2018

A blue ink signature of Dipl.-Ing. W. Feuler.
Dipl.-Ing. W. Feuler

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. **CE**

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) on Electrical cabinet.
11. Stainless telescopic cover for Z axis upper side.
12. Chromium-plate safety hand wheels on X/Y/Z axis.
13. Air power drawbar system (ISO40/M16) for Vertical spindle head.
14. VS Geared box for Vertical/Horizontal spindle speed on UM-600V (48-3,800rpm)
15. Collet chuck with 7 pcs collets (\emptyset 6, 8, 10, 12, 16, 20, 25 mm)
16. LED Work lamp.