

# MODEL 2500UM UNIVERSAL MILLING MACHINE



## STANDARD FEATURES :

- ◆ Rapid traverse on "X", "Y" & "Z" axis.
- ◆ Via inverter variable feeding on "X", "Y" & "Z" axis.
- ◆ High quality meehanite casting body GC-45/DIN-40.
- ◆ All gears & shafts are hardened. & ground
- ◆ Table swivels  $\pm 45^\circ$  degrees left & right.
- ◆ All "X", "Y" & "Z" wider square slide ways & table surface are harden & ground.
- ◆ Motorized ARM/RAM elec. Motor is 3.75KW (5.5HP)
- ◆ Horizontal spindle elec. Motor is 5.5KW (7.5HP)
- ◆ All square slide way & dovetail way are bigger & stronger.
- ◆ Cast iron is either ASTM No.40/meehanite GC-45 or DIN GG-40.

## SPECIFICATION :

| TECHNICAL SPECIFICATIONS                   | MODEL 2500UM          |
|--|-----------------------|
| <b>TABLE</b>                               |                       |
| Table area                                 | 1500x350mm (59x13.7") |
| Number of "T" shaped slots                 | 5-16H7                |
| Distance between "T" shaped slots          | 60mm                  |
| Rotary movement of table in both direction | 45°                   |
| <b>TRAVERSE</b>                            |                       |
| Automatic Longitudinal                     | 1150mm (46")          |
| Automatic cross                            | 400mm(15 3/4")        |
| Automatic Vertical                         | 500mm (20")           |
| Available distance from spindle to overarm | 155mm (6")            |
| <b>SPINDLE (horizontal)</b>                |                       |
| Housing of the taper spindle               | ISO-40/50             |
| Diameter of the main Shaft nose            | 88.88-128.57mm        |
| Milling arbor diameter (*)                 | 27mm or.(1")          |
| Number of speeds of the spindle (R.P.M.)   | 12(40-1800) 50HZ      |
| <b>FEEDS</b>                               |                       |
| Longitudinal and cross feeds               | 10-1208mm(0.4-47")    |
| Vertical feed                              | 5-604mm (0.2-23")     |

| TECHNICAL SPECIFICATIONS          | MODEL 2500UM              |
|-----------------------------------|---------------------------|
| <b>RAPID TRAVERSE</b>             |                           |
| Longitudinal and cross            | 1208mm(47")/min (60HZ)    |
| Vertical                          | 604mm(23")/min            |
| <b>PUISSANCE</b>                  |                           |
| V-Belts                           | 4                         |
| Main motor HP                     | 7.5                       |
| Feed motor HP                     | 2.5                       |
| <b>COOLING</b>                    |                           |
| Cooling-pump HP                   | 1/8 (0.10)                |
| <b>MOTORIZED OVERARM</b>          |                           |
| Housing of the taper spindle      | ISO-40/50                 |
| Number of speeds                  | 12                        |
| Speed range (R.P.M.)              | (35-1600) 50HZ            |
| Power HP                          | 5.5                       |
| <b>WEIGHT</b>                     |                           |
| Maximum weight on table           | 600kg (1320 lb)           |
| Net weight                        | 3200kg (7040 lb)          |
| Gross weight with seapacking case | 3400kg (7480 lb)          |
| Cubical measure of packing        | 184x227x227cm (70x89x88") |

## STANDARD ACCESSORIES :

- ◆ 27mm or 1" long horizontal ISO#40 milling arbor.
- ◆ Horizontal & vertical manual draw-bars.
- ◆ Coolant pump & coolant system.
- ◆ Tool box and services tools.

## OPTIONAL ACCESSORIES :

- ◆ AC auto for over - arm moving device is available.
- ◆ Ball screws for "X", "Y" axis.
- ◆ Auto ways lubrication unit.
- ◆ Chip tray.
- ◆ Universal dividing head, complete with 3 JAW chuck.
- ◆ Horizontal & vertical rotary table.
- ◆ Hydraulic clamping vise 6" or 8".
- ◆ Power milling vise 6" or 8".
- ◆ Clamping kit.
- ◆ Pneumatic power draw bar.
- ◆ ISO#50 spindle taper.