



Universal Milling Machine

UWF 3



Vertical and horizontal spindles feature their own powerful drives

- rigid, low-loss, and easy conversion
- including 3-axis position indicator
- travels: X axis 39"
Y axis 11"
Z axis 17.5"

UWF 3

Sturdy Universal Milling Machine with swivelling cutter head for universal machining applications



DESCRIPTION

- Sturdy, zero-backlash rectangular guideways
- Universal cutter head with 2 levels can be adjusted to virtually any angle (HURON System)
- Rapid feeds on all axes allow quick positioning
- Control panel swivels for comfortable operation
- Separate drives with gearbox for powerful material removal
- Large machine table with one 40" X travel



SPECIFICATIONS

UWF 3

Specifications UWF 3			
Working area		Spindle nose-to-table distance	7.5" - 28.8"
X axis travel	39"	Head swivel range	360°
Y axis travel	11"	Horizontal Cutter Head	
Z axis travel	17.5"	Speed range	(12) 40 - 1300 rpm
Table setup area	52"x12.5"	Spindle mount	ISO 40
Table load capacity (max.)	700 lbs	Horizontal spindle-to-table distance	0.8" - 18.5"
T-slots (qty x width x spacing)	0.2" x 0.5" x 2.4"	Spindle axis-to-table distance	7.5" - 25.5"
Feed		Drive Capacities	
X axis rapid feed	47" /min	Motor rating for horizontal spindle	4 Hp
Y axis rapid feed	47" /min	Motor rating for vertical spindle	4 Hp
Z axis rapid feed	15.5" /min	Motor rating X / Y axis	0.7 Hp
Feed speed, X axis	(8) 20.8" - 14" /min	Motor rating Z axis	1 Hp
Feed speed, Y axis	(8) 1.2" - 14" /min	Coolant pump motor rating	0.1 Hp
Vertical Cutter Head		Dimensions/Weight	
Speed range	(11) 45 - 1660 rpm	Dimensions	80" x 67" x 79"
Spindle mount	ISO 40	Weight	4400 lbs
Throat	7.5" - 29.5"	Part No.	370 297

Standard Equipment	
- 3-axis position indicator	- Outer arbor support for horizontal milling
- Central lubrication	- Short milling arbor 1.3"
- Coolant system	- Operating tools
- Work lamp	- Operator manual
- Collet chuck with collets 0.16", 0.2", 0.24", 0.3", 0.4", 0.47", 0.6", 0.63" mm	
- Horizontal milling arbor Ø 1.1" and Ø 1.6"	

3-axis position indicator

X.pos 3

Completely assembled, ready for operation and exact measurements

- Increased accuracy
- Lower error rate
- Higher production safety
- Significant time savings
- Increased productivity
- Easy to read display
- User-specific functions
- Good keyboard layout
- Resolution 0.0004" / 0.0002"
- Default coordinates
- Maintains the axis position when the display is turned off
- Calculation of hole circle pattern
- Pocket calculator function
- Storage for 10 tools
- Radius / diameter toggle
- mm/inch conversion
- Maintenance-free operation

**Position Indicators...
an absolute necessity for all machine tools**

