

**UMC-750**More info and all prices posted at [HaasCNC.com](http://HaasCNC.com)**TRAVELS**

|                               | <b>S.A.E.</b> | <b>METRIC</b> |
|-------------------------------|---------------|---------------|
| X Axis                        | 30 "          | 762 mm        |
| Y Axis                        | 20 "          | 508 mm        |
| Z Axis                        | 20 "          | 508 mm        |
| Spindle Nose to Table (~ max) | 24 "          | 610 mm        |
| Spindle Nose to Table (~ min) | 4 "           | 102 mm        |

**PLATTER**

|                        | <b>S.A.E.</b> | <b>METRIC</b> |
|------------------------|---------------|---------------|
| Platter Length         | 24.8 "        | 630 mm        |
| Platter Width          | 19.7 "        | 500 mm        |
| Max Weight on Platter  | 660 lb        | 300 kg        |
| T-Slot Width           | 5/8 "         | 16 mm         |
| T-Slot Center Distance | 2.48 "        | 63 mm         |
| Number of Std T-Slots  | 7             | 7             |

**B AXIS – TILT**

|              | <b>S.A.E.</b> | <b>METRIC</b> |
|--------------|---------------|---------------|
| Travel       | +110°, -35°   | +110°, -35°   |
| Max Speed    | 50°/sec       | 50°/sec       |
| Max Torque   | 400 ft-lb     | 542 Nm        |
| Brake Torque | 1800 ft-lb    | 2440 Nm       |

**C-AXIS – ROTATION**

|              | <b>S.A.E.</b> | <b>METRIC</b> |
|--------------|---------------|---------------|
| Travel       | 360°          | 360°          |
| Max Speed    | 50°/sec       | 50°/sec       |
| Max Torque   | 300 ft-lb     | 407 Nm        |
| Brake Torque | 500 ft-lb     | 678 Nm        |

**SPINDLE**

|                     | <b>S.A.E.</b>       | <b>METRIC</b>       |
|---------------------|---------------------|---------------------|
| Max Rating          | 30 hp               | 22.4 kW             |
| Max Speed           | 8100 rpm            | 8100 rpm            |
| Max Torque          | 90 ft-lb @ 2000 rpm | 122 Nm @ 2000 rpm   |
| Drive System        | Inline Direct-Drive | Inline Direct-Drive |
| Taper               | CT or BT 40         | CT or BT 40         |
| Bearing Lubrication | Air/Oil Injection   | Air/Oil Injection   |
| Cooling             | Air                 | Air                 |

**SPINDLE (OPT)**

|                     | <b>S.A.E.</b>       | <b>METRIC</b>       |
|---------------------|---------------------|---------------------|
| Max Rating          | 30 hp               | 22.4 kW             |
| Max Speed           | 12000 rpm           | 12000 rpm           |
| Max Torque          | 90 ft-lb @ 2000 rpm | 122 Nm @ 2000 rpm   |
| Drive System        | Inline Direct-Drive | Inline Direct-Drive |
| Bearing Lubrication | Air/Oil Injection   | Air/Oil Injection   |
| Cooling             | Air                 | Air                 |

**FEEDRATES**

|             | <b>S.A.E.</b> | <b>METRIC</b> |
|-------------|---------------|---------------|
| Rapids on X | 1200 in/min   | 30.5 m/min    |
| Rapids on Y | 1200 in/min   | 30.5 m/min    |
| Rapids on Z | 1200 in/min   | 30.5 m/min    |
| Max Cutting | 650 in/min    | 16.5 m/min    |

**AXIS MOTORS**

Max Thrust X  
Max Thrust Y  
Max Thrust Z

**S.A.E.**

2750 lb  
2750 lb  
3400 lb

**METRIC**

12233 N  
12233 N  
15124 N

**TOOL CHANGER**

Type  
Capacity  
Max Tool Diameter (adjacent empty)  
Max Tool Diameter (full)  
Max Tool Length (from gage line)  
Max Tool Weight  
Tool-to-Tool (avg)  
Chip-to-Chip (avg)

**S.A.E.**

SMTC  
40+1  
5 "  
3 "  
12 "  
12 lb  
2.8 sec  
3.6 sec

**METRIC**

SMTC  
40+1  
127 mm  
76 mm  
305 mm  
5.4 kg  
2.8 sec  
3.6 sec

**GENERAL**

Air Required  
Coolant Capacity

**S.A.E.**

4 scfm, 100 psi  
75 gal

**METRIC**

113 L/min, 6.9 bar  
284 L