



SPECIFIKATIONER UMC-1000SS

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Travels	S.A.E	Metric
X Axis	40,0 in	1016 mm
Y Axis	25,0 in	635 mm
Z Axis	25,0 in	635 mm
Spindle Nose to Platter (~ max)	29,0 in	737 mm
Spindle Nose to Platter (~ min)	4,0 in	102 mm
Spindle	S.A.E	Metric
Max Rating	30,0 hp	22,4 kW
Max Speed	12000 rpm	12000 rpm
Max Torque	90,0 ft-lbf @ 2000 rpm	122,0 Nm @ 2000 rpm
Drive System	Inline Direct-Drive	Inline Direct-Drive
Taper	CT40 BT40 HSK-A63	CT40 BT40 HSK-A63
Bearing Lubrication	Air / Oil Injection	Air / Oil Injection
Cooling	Liquid Cooled	Liquid Cooled
B Axis - Tilt	S.A.E	Metric
Travel	120 ° to 35- °	120 ° to 35- °
Max Speed	170 °/sec	170 °/sec
Max Torque	2240 ft-lbf	3037 Nm
Brake Torque	2000 ft-lbf	2712 Nm
C Axis - Rotation	S.A.E	Metric
Travel	360 °	360 °
Max Speed	179 °/sec	179 °/sec

Max Torque	1854 ft-lbf	2514 Nm
Max Part Swing	34,0 in	864 mm
Brake Torque	900 ft-lbf	1220 Nm
Platter	S.A.E	Metric
Platter Diameter	25,00 in	635 mm
Max Weight on Platter	1000 lb	454,0 kg
T-Slot Width	0,626 in to 0,630 in	15,90 mm to 16,00 mm
T-Slot Center Distance	4,92 in	125 mm
Number of Std T-Slots	7	7
Feedrates	S.A.E	Metric
Max Cutting	650 ipm	16,5 m/min
Rapids on X	1200 ipm	30,5 m/min
Rapids on Y	1200 ipm	30,5 m/min
Rapids on Z	1200 ipm	30,5 m/min
Axis Motors	S.A.E	Metric
Max Thrust X	3300 lbf	14680 N
Max Thrust Y	3300 lbf	14680 N
Max Thrust Z	4050 lbf	18015 N
Tool Changer	S.A.E	Metric
Type	SMTC	SMTC
Capacity	30+1	30+1
Max Tool Diameter (full)	2,5 in	64 mm
Max Tool Diameter (adjacent empty)	5,0 in	127 mm
Max Tool Length (from gage line)	12 in	305 mm
Max Tool Weight	12 lb	5,4 kg
Tool-to-Tool (avg)	1,8 s	1,8 s

Chip-to-Chip (avg)	2,4 s	2,4 s
General	S.A.E	Metric
Coolant Capacity	55 gal	208 L
Air Requirements	S.A.E	Metric
Air Required	4 scfm @ 100 psi	113 L/min @ 6,9 bar
Inline Air Hose	3/8 in	3/8 in
Coupler (Air)	3/8 in	3/8 in
Air Pressure Min	80 psi	5,5 bar
Dimensions - Shipping	S.A.E	Metric
Domestic Pallet	168 in x 93 in x 115 in	427 cm x 235 cm x 292 cm
Export Pallet	174 in x 92 in x 100 in	442 cm x 233 cm x 254 cm
Weight	17000 lb	7711,0 kg
Export Crate for Sheet Metal	102 in 63 in 28 in	259 cm 160 cm 71 cm
Weight for Sheet Metal Crate	1060 lb	1060 lb
Electrical Specification	S.A.E	Metric
Spindle Speed	12000 rpm	12000 rpm
Drive System	Inline Direct-Drive	Inline Direct-Drive
Spindle Power	30,0 hp	22,4 kW
Input AC Voltage (3 Phase) - Low	220 VAC	220 VAC
Full Load Amps (3 Phase) - Low	70 A	70 A
Input AC Voltage (3 Phase) - High*	440 VAC	440 VAC
Full Load Amps (3 Phase) - High*	35 A	35 A