

SPECIFICATIONS:

Machine operating system	Windows	
Operator interface	Maestro	
CamConductor Off-Line Programming software		
Teach camera		
Witness camera	Optional	
Material Handling	PCB, max size w/o rotation PCB, max size W/ rotation Manual tool-holder Edge clearance Conveyor edge clearance	400x450 mm 450x600 mm 3-mm 3-mm
Motion	Motors Conveyor-effector X-axis, repeatability X-axis, Speed X-axis, travel distance Y-axis, repeatability Y-axis, speed Y-axis, travel distance Z-axis, repeatability Z-axis, speed Z-axis, travel distance Z-load Theta-axis, repeatability Tilt-axis, Pneumatic (single) Tilt-axis, Servo (Single) Tilt-Axis, pneumatic (double) Tilt-axis, Servo (double)	closed loop servos Drive-in & spread closed loop servos +/- .05 mm repeatability 0-500 mm/sec 1100 mm +/- .05 mm repeatability 0-500 mm/sec 600 mm +/- .05 mm repeatability 0-100 mm/sec 250 mm 20-KG max +/- .012 deg. Optional Optional Optional Optional
Flux	spray drop-jet ultrasonic	Customer to specify Customer to specify Customer to specify
Solder management	Lead-free compatible N2-Flow rate N2-Pressure N2-Tempertaure control N2-Purity Solder pot Solder reservoir Level Sensor Automatic solder make-up Solder pump height sensor Solder pot capacity Temperature range Solder pot temp. control Solder pump(s) Pump motor Gaussian solder wave height Gaussian solder wave stability Keep-Away Lead Protrusion solder make-up solder nozzles included with system	30-CFH min./Gaussian solder wave 80 PSI delivered to the system PID <20-PPM Oxygen solder pot Yes Yes Yes 350-lbs 20-330 C PID 1-with system and option for up to 3-additional solder pumps per solder pot servo-driven 6-mm max. typical .25-mm std. dev. <1.5 mm typical 6-MM Max. Typical 3-sizes, wide range available
Physical	Dimensions Weight Power Air Nitrogen Exhaust	1725W x 1900D x 2150H 2150-lbs 240VAC 50-60HZ 2 min. CFH @ 80-PSI See solder management 350-CFM

