

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	228x450 mm 450x450 mm 3-mm 3-mm
Motion	Motors Conveyor-effector (SMEMA) 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 Tilt-axis, Pneumatic (single) Tilt-axis, Servo (Single)	closed loop servos Optional +/- .05 mm repeatability 0-500 mm/sec 450-mm +/- .05 mm repeatability 0-500 mm/sec 450 mm +/- .05 mm repeatability 0-125 mm/sec 125 mm 15-KG max. 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 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 nozzles included with system	30-CFH min./Gaussian solder wave 80 PSI delivered to the system PID 20-PPM 1-with system Yes Yes Yes 75-lbs 20-330 C Closed-loop 1-with system servo-driven 6-mm max. typical .25-mm std. dev. <1.5 mm typical 6-MM Max. Typical 3-sizes, large range available
Physical	Dimensions Weight Power Air Nitrogen Exhaust	1050-mm W x 1200-mm D x 2260-mm H 900-lbs 240VAC 50-60HZ 2 min CFM @ 80-PSI See solder management 350-CFM

