

# Selective Coating Equipment Comparison



**PVA350**

**Delta 3**

**Delta 6**

**Delta 8**

Repeatability	.025mm	.025mm	.025mm	.025mm
Max Speed	500mm/sec	670mm/sec	670mm/sec	670mm/sec
Encoder Resolution	5 micron	5 micron	5 micron	5 micron
Gantry Drive System	Closed Loop DC servo, Ballscrew Drive	Closed Loop DC servo, Ballscrew Drive	Closed Loop DC servo, Ballscrew Drive	Closed Loop DC servo, Ballscrew Drive
Max Acceleration	0.25 g	0.5 g	0.5 g	0.5 g
<b>Travel</b>				
Initial XY Axis Travel	400mm x 400mm	521mm x 485mm	521mm x 485mm	621mm x 595mm
Z Axis Travel	90mm	100mm	100mm	100mm
<b>Board Handling</b>				
Conveyor Type	N/A	Chain	Flat Edge Belt or Chain	Flat Edge Belt or Chain
Min Conveyor Width	N/A	50mm	50mm	50mm
Above Board Clearance	70mm	80mm	80 mm	50mm (standard) 100+mm (optional)
Under Board Clearance	80mm	80mm (standard)	80mm (standard)	100mm (standard)
Transport Height	N/A	880mm to 920mm	940mm to 965mm	940mm to 965mm
Conveyor Protocol	N/A	SMEMA	SMEMA	SMEMA
Standard Board Sizes	Up to 380mm Depending on Options	50mm-457mm Depending on Options	50mm-457mm Depending on Options	50mm-457mm Depending on Options
<b>Facilities</b>				
Power	120 to 240 VAC, 50/60hz	120 to 240 VAC, 50/60hz	120 to 240 VAC, 50/60hz	120 to 240 VAC, 50/60hz
Air Supply	<10 CFM at > 80 PSI (5.5 bar) Filtered @ 5microns	<10 CFM at > 80 PSI (5.5 bar) Filtered @ 5microns	<10 CFM at > 80 PSI (5.5 bar) Filtered @ 5microns	<10 CFM at > 80 PSI (5.5 bar) Filtered @ 5microns
Footprint	945mm x 832mm x 794mm	813mm x 990mm x 1572mm	847mm x 1136.9mm x 1606mm	1219mm x 1257mm x 1687mm
Exhaust	300cfm minimum	300cfm minimum	300cfm minimum	300cfm minimum
<b>Features</b>				
Four-Axis	Option	Option	Option	Option
Bar Code Reading	Option	Not Available	Option	Option
Passive Programming Camera	Option	Not Available	Option	Option
XY Fiducial Camera	Option	Not Available	Option	Option
Part Shuttles	Option	Not Available	Option	Option
Exhaust Blower	Option	Option	Option	Option
PathMaster Software	Standard	Standard	Standard	Standard
Offline Programming	Standard	Standard	Standard	Standard
Onboard Computer	Option	Not Available	Standard	Standard
Flow Monitoring	Option	Option	Option	Option
Dual/Multi Head Tooling	Option	Not Available	Option	Option

## PVA Patents

PVA holds four US patents, including the only **TRUE** four-axis motion capability featuring patented tilt and servo rotation control (4 axis patent – #6447847), and the atomized spray valve technology (ES Valve patent – #6523757).

