

TRIDENT

Automatic Defluxing System

Trident Models and Features



Feature	Trident ECO	Trident LDO	Trident ZDO	Trident CLO
Dimensions	42 1/4" x 47 3/4" x 70" (791 lbs)	42 1/4" x 47 3/4" x 70" (791 lbs)	42 1/4" x 56" x 70" (991 lbs)	42 1/4" x 47 3/4" x 70" (791 lbs)
Electrical	208-240 VAC 3ϕ 40 Amps 400 VAC 3ϕ 30 Amps	208-240 VAC 3ϕ 40 Amps 400 VAC 3ϕ 30 Amps	208-240 VAC 3ϕ 40 Amps 400 VAC 3ϕ 30 Amps	208-240 VAC 3ϕ 40 Amps 400 VAC 3ϕ 30 Amps
Flux Removal Capabilities	All Flux Types All Alloys	All Flux Types All Alloys	All Flux Types All Alloys	Water Soluble Flux Types All Alloys No Wash Chemicals
Discharge Configuration	Low Discharge Closed-Loop Wash Filtered Discharge Rinse	Low Discharge Closed-Loop Wash Filtered Discharge Rinse	Zero Discharge Closed-Loop Wash Closed-Loop Rinse	Zero Discharge Closed-Loop Wash/Rinse
Built-In Cleanliness Verification Technology	N/A	Standard	Standard	Standard
Shadow Mitigation Technology	Focus Wash Shadow Mitigating Technology	Focus Wash Shadow Mitigating Technology	Focus Wash Shadow Mitigating Technology	Focus Wash Shadow Mitigating Technology
Maximum Board Size	18" x 20" 457mm x 508mm	18" x 20" 457mm x 508mm	18" x 20" 457mm x 508mm	18" x 20" 457mm x 508mm
Decibel Rating (loudest)	68 dB	68 dB	68 dB	68 dB
Process Chamber Construction	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Plumbing Construction	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Frame Construction	Hot-Rolled Welded Steel Frame	Hot-Rolled Welded Steel Frame	Hot-Rolled Welded Steel Frame	Hot-Rolled Welded Steel Frame
Panel Construction	16 Gauge Steel	16 Gauge Steel	16 Gauge Steel	16 Gauge Steel
Automatic Chemical Mixing and Dosing	N/A	Standard	Standard	N/A

Concentrate Chemical Storage Tank	N/A	8 gallon (30.2 liters) Stainless Steel With Analog and Digital Level Gauges	8 gallon (30.2 liters) Stainless Steel With Analog and Digital Level Gauges	N/A
Finish	Silver Hammer- Tone Baked-on Powder Coat	Silver Hammer- Tone Baked-on Powder Coat	Silver Hammer- Tone Baked-on Powder Coat	Silver Hammer- Tone Baked-on Powder Coat
Wash Solution Storage Tank	12 gallon (45 liters) Stainless steel	12 gallon (45.4 liters) Stainless steel	12 gallon (45.4 liters) Stainless steel	16 gallon (60.5 liters) Stainless steel
Wash Solution Chemical Sample Port	N/A	Optional	Optional	N/A
Number of Stainless Steel Cleaning Nozzles	20 (single rack) 40 (double rack)	20 (single rack) 40 (double rack)	20 (single rack) 40 (double rack)	20 (single rack) 40 (double rack)
Number of Programmed Recipes	Unlimited	Unlimited	Unlimited	Unlimited
Assembly Barcode Scanning	Standard	Standard	Standard	Standard
Multi-Query SPC Data Search via SQL Server	Standard	Standard	Standard	Standard
Multi-Level Password Protection	Standard	Standard	Standard	Standard
Programmable Maintenance Reminders	Optional	Standard	Standard	Standard
User Interface	Windows Platform	Windows Platform	Windows Platform	Windows Platform
ESD Grounding Plug	Standard	Standard	Standard	Standard
Pre-Drain Filtration System	Optional	Standard 20 micron	Standard 20 micron	No drain
Automatic Chamber Door Lock	Standard	Standard	Standard	Standard
Closed-Loop Rinse Water Recycler	N/A	N/A	Standard	Standard
On Demand DI Water Heater	Standard	Standard	Standard	Standard
Dry-Cycle Heaters	3,500 watt Radiant	6,000 watt Convection 3,500 watt Radiant	6,000 watt Convection 3,500 watt Radiant	6,000 watt Convection 3,500 watt Radiant
Dry-Cycle Blower	350 CFM	1,500 CFM	1,500 CFM	1,500 CFM
Light-Tower Status Indicator	Optional	Optional	Optional	Optional