

DTS1000i Advantages

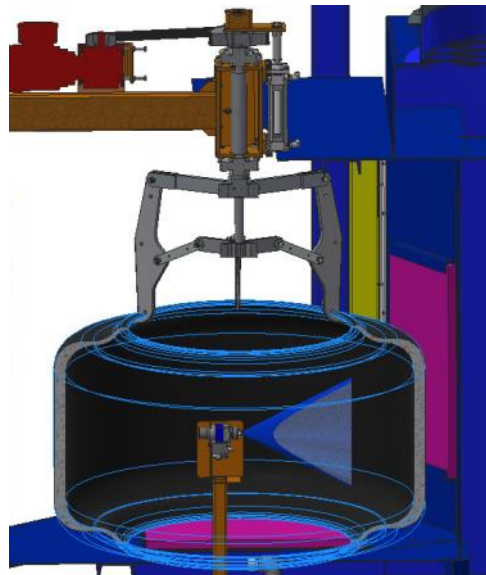
- 10-12 tires per minute
- 3 station infeed conveyor with a centering station, accumulation station, and servo lift station
- 2 station outfeed conveyor with a pneumatic lower station and accumulation station
- Tires gently lowered to the take away conveyor
- Integrated tire measurement for OD/ID & Height
- Individual chuck drives for tire rotation
- Automatic chuck cleaning each index
- Fan air for the spray gun automatically adjusts to optimize spray pattern to each individual tire.
- Spray gun position servo controlled relative to tire height
- Polycarbonate guards provide improved air



DTS1000i is ideal for Passenger and LT Tires
 * shown with Optional PFDS, Graco Drum Agitator, additional conveyor



Quick Change Inside Spray Gun on Linear Actuator



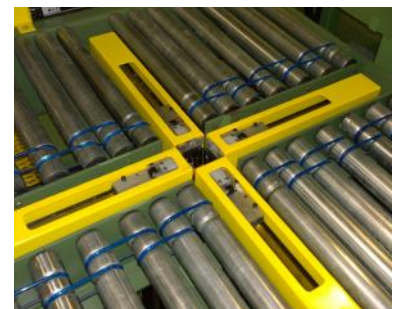
Belt Driven Chuck



Optional Servo Controlled Precision Fluid Delivery Panel



Infeed Conveyor with Servo Lift Cross & Exit Conveyor
 Pneumatic Lower Cross



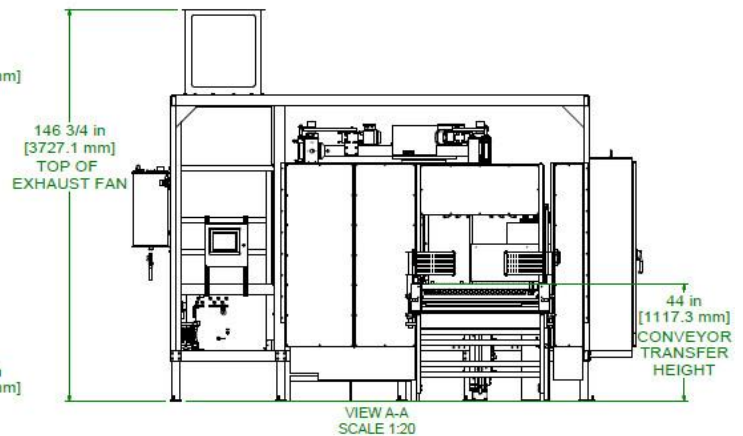
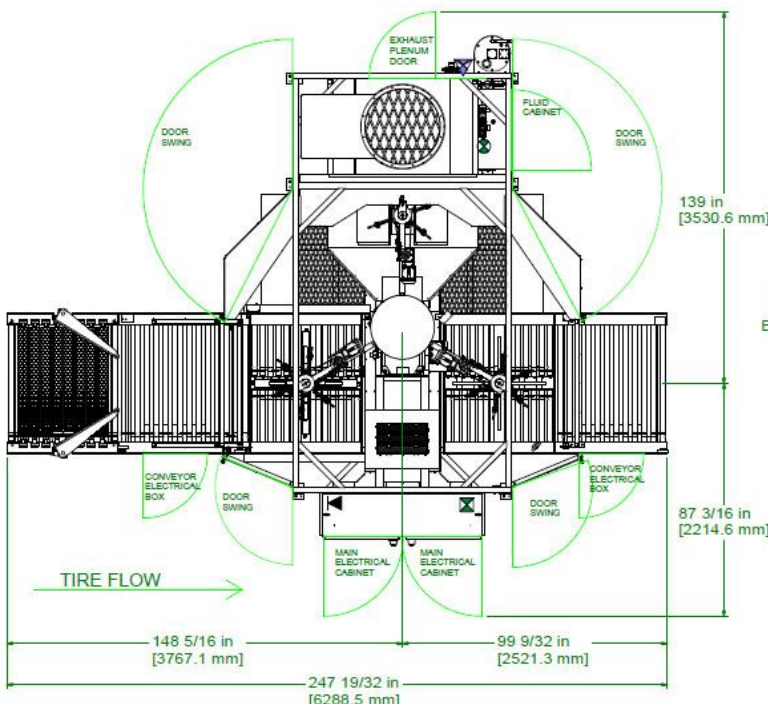
Optional Bead Stretcher Integrated into Lift Cross

Available Options:

- Right hand or left hand orientation available
- Additional accumulation zones, infeed or outfeed conveyors
- Emergency cable pulls for the conveyor
- Larger pressure pots
- Agitator for pressure pot
- Upgrade to a PFDS, Precision Fluid Delivery System which uses servo controlled pump to meter the amount of paint supplied to the spray gun
- Automatic water purge
- Agitator for PFDS holding tank
- Servo controlled lowering table (standard lowering table is pneumatic)
- Individual proportional valves for each chuck to control chucking pressure based on tire size
- Tool free quick change chuck cleaning brushes
- Chuck cylinder upgrade to heavy duty repairable Parker cylinders
- Blocking port for chuck cylinders
- Bead Stretcher integrated into the lift cross
- Graco drum agitator w/ pneumatic lift assist
- Outside tire spray (increases cycle time)
- HMI relocated next to the paint area. (standard location is in the side of the main electrical panel)
- A/C unit in place of filter/fan for main electrical cabinet
- Upgrade to Allen Bradley ControlLogix PLC (standard CompactLogix)
- Recipe based spraying, requires barcode

Model "DTS1000i" Specifications

Bead Diameter	12" - 24"	305- 610mm
Max Bead to Bead Width	24"	610mm
Min Collapsed Bead Height	8"	203mm
Max Tire OD Diameter	39.5"	1003mm
Max Tire Weight	120lbs	54kg
Inside Tire Spray	360 degrees	
Outside Tire Spray	Optional	
Cycle Time	12 tpm, 720tph, 17280tpd (avg tire size)	
PLC	Allen Bradley Compactlogix	
HMI	Allen Bradley Panelview Plus 7 10" display	
Tire Measurement	Light arrays (OD/ID, & Height)	
Spray Gun	Devilbiss quick change manifold	
Spray Gun Pattern	Variable	
Atomizing Air	Variable	
Fluid Delivery	5 gallon Pressure Pot	
Tire lube	Water based—no solvent	
Purge	Manual flush	
Chuck Cleaning	Fixed brush	
Electrical Service Req'd	480v/3ph/60amp or 380V	
Air Service Req'd	1" drop @ 80PSI (5.5bar) min 20CFM (570lpm) max	
Water Service Req'd	3/8" drop @ 30psi max (for purge)	
Machine footprint	16'-8" x 20'-8"	
Overall Height (frame)	9'-7" (frame) 12'-3" (top of exhaust fan)	
Conveyor Passline	44"	
Exhaust Fan and Filters	5hp 28" Dia, Slide in re-usable filters	
Side-draft booth	HR Steel	



*Right hand machine shown with optional PFDS



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