

DTS2000i Advantages

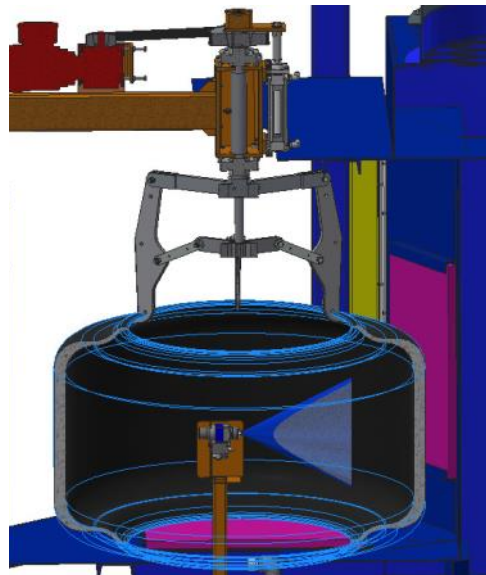
- 6 tires per minute or 360 tires per hour.
- 3 station infeed conveyor with centering station, accumulation station, & servo lift station
- 2 station outfeed conveyor with a pneumatic lower station and accumulation station
- Tires gently lowered to takeaway conveyor
- Integrated tire measurement for 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 the tire height.
- Polycarbonate guards to provide better air flow at the paint booth
- Heavy duty repairable Parker cylinders for chucks



DTS2000i for MRT Medium Radial Truck Tires



Quick Change Inside Spray Gun on Linear Actuator



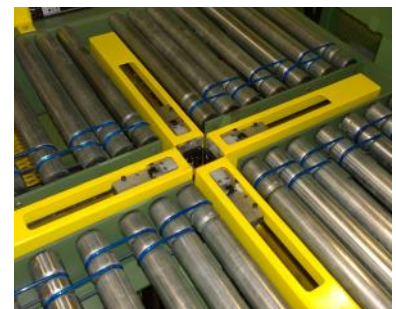
Belt Driven Chuck



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

Model: **DTS2000i**

Dial Tire Spraying

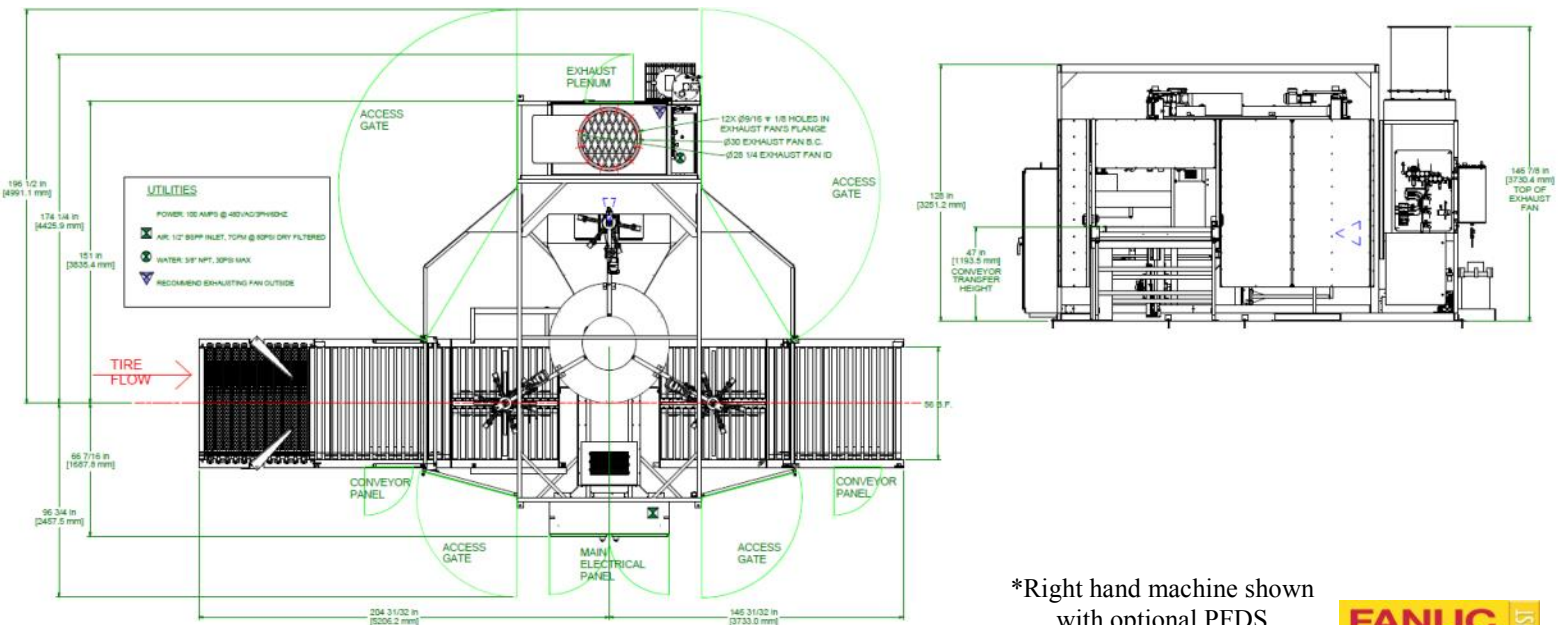
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Available Options:

- 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, includes upgrade to an automatic 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 on a per tire basis.
- Tool free quick change chuck cleaning brushes
- Blocking port for chuck cylinders.
- Bead Stretcher integrated into the lift cross
- Graco drum agitator w/ pneumatic lift
- 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 (Maybe required based on selected options and plant environment)
- Upgrade to Allen Bradley Controllogix
- Recipe based spraying (requires barcode)
- Torit wet mist collector
- Additional options are available by request

Model "DTS2000i" Specifications

Bead Diameter	16" - 26.5"	405– 675mm
Max Bead to Bead Width	28"	712mm
Min Collapsed Bead Height	10"	254mm
Max Tire OD Diameter	52"	1320mm
Max Tire Weight	250lbs (112kg)	
Inside Tire Spray	360 degrees (Outside optional)	
Cycle Time	6 tpm, 360tph, 8640tpd (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 @ 80 psi (5.5bar) min 20CFM	
Water Service Req'd	3/8" drop @ 30psi max (for purge)	
Machine footprint	27'-4" x 19'-3"	
Overall Height	10'-8" (frame) 13'-3" (top of exhaust fan)	
Conveyor Passline	45-3/4"	
Exhaust Fan and Filters	7.5hp 28" Dia, Slide in re-usable filters	
Side-draft booth	HR Steel	



*Right hand machine shown with optional PFDS



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