

RTS1000i Advantages

- Paint Quality
 - Integrated tire measurement for OD/ID and height
 - System adjusts to each specific tire
 - Saves Paint
 - Minimizes painting the bead
 - Minimized overspray
 - Uniform spray coverage
 - Robotic arm positions and rotates tire
 - Automatically adjustable atomizing air
 - Automatically adjusting fan air
 - Automatically adjust tire gripping pressure
 - Quick change spray gun
 - Down Draft Spray booth
- Increased production
 - Eliminate ergonomics from tire handling
 - Decreased downtime with proven Fanuc reliability
 - Global support/service/training/spares
 - Simple design with minimal maintenance
 - Fixed spray gun position
 - Robotic arm does all of the tire handling
 - Heavy duty weld free aluminum chuck
 - Chuck cleaning station
 - Load and Exit conveyors provided
- Options and Upgrades Available



RTS1000i is ideal for Passenger and LT Tires

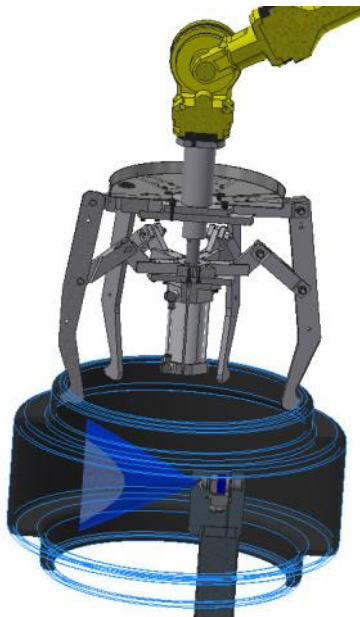
US Patent No's 8,646,404 and 9,192,953



Optional Servo Controlled



Fixed position spray gun with quick change gun



Heavy duty weld free aluminum chuck

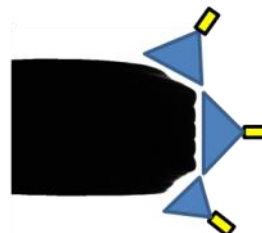
TIRE MEASUREMENT

- iRvision for tire profile
- Light arrays
- Bar codes (recipe)



SPRAY PARAMETERS

- Gun Positions
- Fan Width
- Atomizing Air
- Fluid Dispensed



RESULTS

- Uniform coverage
- Minimal overspray
- Spray off bead



Model: **RTS1000i**

Robotic Tire Spraying

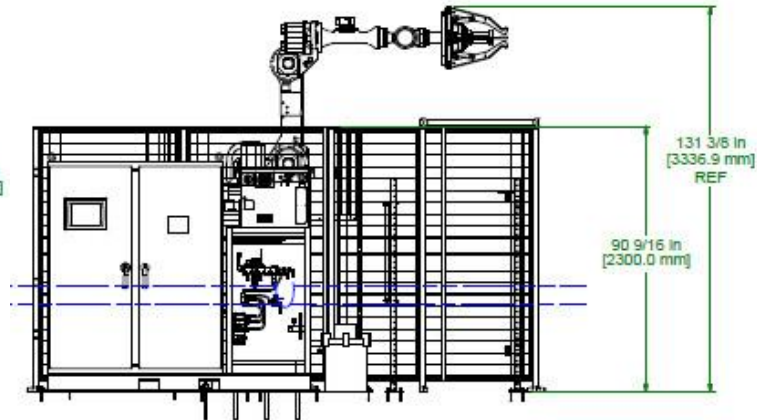
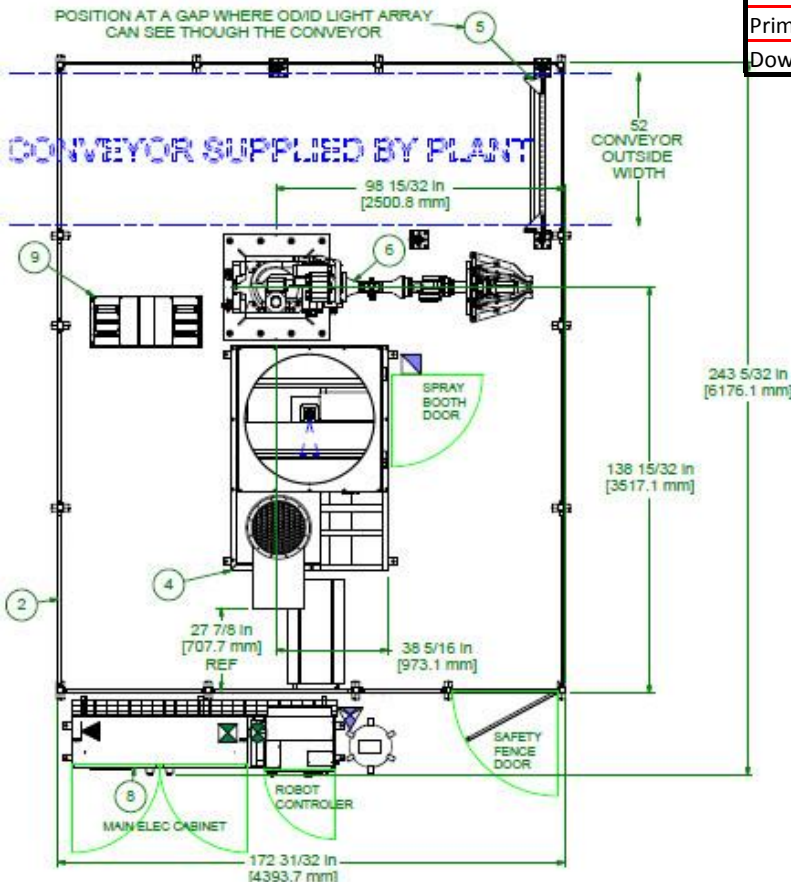
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Available Options:

- Right hand or left hand orientation available.
- Larger pressure pots
- Agitator for pressure pot
- Upgrade to a "PFDS (Precision Fluid Delivery System)" which meters the amount of paint supplied to the spray gun.
- Agitator for PFDS holding tank
- Proportional valves for the chuck to control chucking pressure on a per tire basis.
- Faster chuck cleaning station (clean all six chuck fingers at once instead of 2 at a time)
- Graco drum agitator w/ pneumatic lift
- Outside tire spray (increases cycle time and foot print)
- A/C unit (Maybe required based on selected options and plant environment)
- Stainless Steel booth
- Automatic sliding doors on booth top for tire entry
- Upgrade to R2000 robot (recommended when primarily handling tires towards upper end of the weight range or for applications with heavier tires)
- Secondary filtering with two pleated panel filters

Model "RTS1000i" Specifications

Bead Diameter	10" - 26"	250– 660mm
Max Bead to Bead Width	24"	610mm
Max Tire OD Diameter	39"	990mm
Max Tire Weight	100lbs	45kg
Inside Tire Spray	360 degrees or programmable	
Cycle Time (tph)	360 (inside) 200 (inside & outside)	
Cycle Time (tpd)	8,640 (inside) 4800 (inside & outside)	
Robot / Controller	Fanuc R1000iB/100F with R30iB controller	
Tire Measurement	Light arrays	
Spray Gun	Quick change manifold	
Spray Gun Pattern	Variable fan control	
Fluid Delivery	10 gallon Pressure Pot	
Atomizing Air	Variable	
Tire Paint	Water based	
Chuck Cleaning	Fixed brush prog. # cycles	
Electrical Service Req'd	480v/3ph/30amp or 380V	
Air Service Req'd	1" drop @ 80psi	
Water Service Req'd	3/8" drop @ 30psi max	
Machine footprint	23'-3" x 14'-5"	
Overall Height	13'-0"	
Exhaust Fan	5hp 18" Diameter	
Primary Filter	Re-usable metal panel air filter	
Downdraft booth	Powder Coated HR Steel	



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