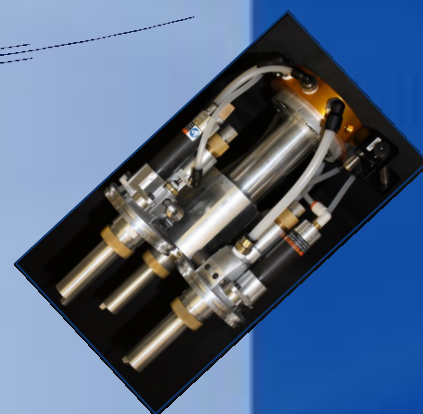


TURBO SPRAY

Finishing Systems



**From the World's largest manufacturer of
Innovative Spray Equipment**



Chain-On-Edge



Turntable



Overhead Lines



Tumble Spray

The Process

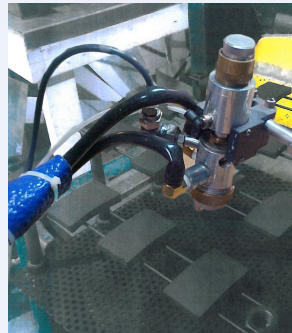
**All of our equipment includes
training and documentation**

Development



Testing

Robot



Ovens



Establish best spray gun/atomizer and
coating settings

Engineering



Machining

All spray guns/atomizers and fluid controls



Fabrication



Washers



Robust, tight systems pre-wired, hosed
and ready to go

**All Turbo Spray
equipment is manufactured
and run-off at our
Howell, Michigan facility!**



Chain-On-Edge Systems

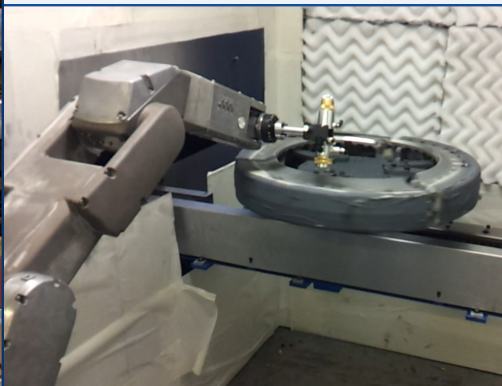
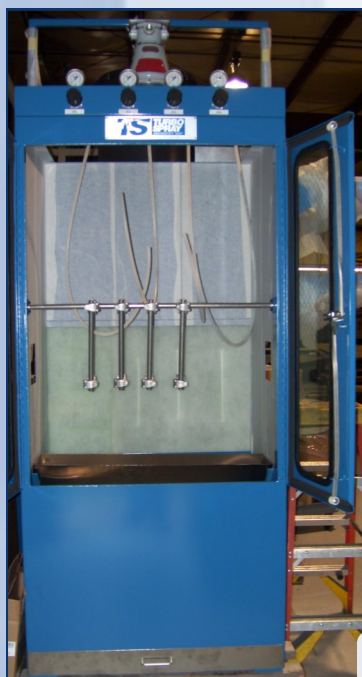
Sprays all coatings including, paints, adhesives and dry lubes

Very compact—overall footprint dimensions 19'L x 19'W

Overall line length from 70' to 200'

Oven pre-heat-prime-Oven flash-Top coat-post-heat

PLC run-Part ID-Continuous or Index



Custom Spray Booths

All booths manufactured on our floor

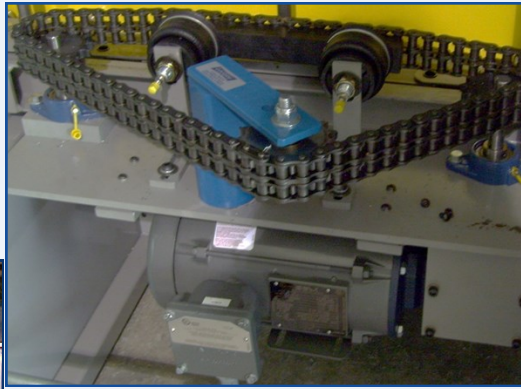
Booths custom booths can be used for stand alone or in-line spray operations

Air flows 650 cfm to 250 cfm. Down draft or side draft

Booths can be made in almost any size



Robust part rotator



Turntable Systems

**Save floor space due to a very small footprint
Saves energy (concentrate VOC's and saves plant air)**

Save coating-index parts into exact position-correct atomizing and fluid

Automatic load / unload

Part checking-size and coating verification

Shipped as 1 piece / pre-wired and ready to run



www.TurboSpray.com

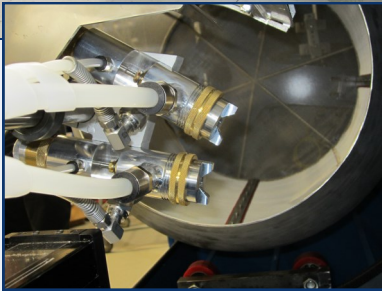


Robotic Spray Systems

Turbo Spray was named Fanuc Integrator of the Year!

"Innovation and Integration"

**Turbo Spray's innovative spray guns easily integrate into Fanuc's™ line-up of robots
Completely integrated systems are delivered to your door, anywhere in the world!**



Tumble Spray Systems

Rubber to metal adhesive spray application

Dry lube - rust inhibitor application

Sprays small high volume parts, 100% part coverage

Consistent film builds using Turbo Spray reciprocator techniques

Ideal for small metal parts and O-rings

One or two coat system-2 Turbo Spray true low pressure spray guns

Belt module and basket pull out for easy cleaning and changing

Wide selection of controls and operator interfaces

Automatic feeding and unloads



Overhead Conveyor Systems

Overhead paint lines are custom made based on customer requirements for production and floor space.

Utilized for one or several robots for spraying operations

Racks are custom made

Spray booths are off the shelf or custom type

Ovens are I-R electric or convection type

TURBO SPRAY

1172 Fendt Drive
Howell, MI 48843
(517) 548-9096
www.TurboSpray.com

Pathway to Success

Spray-Design-Machine our way to success

Step #1: Spray

We spray all of your coatings at our plant. We establish correct atomizer, tip, air cap and extension for maximizing transfer efficiency. We then team our atomizers/ spray guns with our own custom fluid controls. The result is consistent film build without overspray all over the booth. A complete process from mix to dry will be established.

Step #2: Design and Fabricate

We now have a specific process and must design the tightest and most robust low energy spray system to match the required cycle. Large windows and powder coated panels “shows” the system quite well. Systems are usually assembled, pre-wired and ready to go when they arrive at your facility.

Step #3: Controls

We work with all control system-again, design, build and program here. We use all communication schemes-ethernet, devicenet and profibus to communicate with our robots and download data to your mainframe. We use remote access VPN sites to troubleshoot and program your system.

