

Spray Coating Machine



Two Station Conveyorized ID/OD Spray Coating Machine (DC Motor/Servo Motor/Pneumatic Operated System)

SPECIFICATIONS
Gun movement for ID (height): Up to 100 mm
Gun movement for OD (height): Up to 100 mm
Auto Spray Guns: Lumina Gun/ RD Gun
No. of Fixtures: 35-48
Fluid Handling System: MS Pressure feed tank 10 lit/ 20 lit/ 40 lit with Pneumatic stirrer system & Weighing Scale
Productivity: 16 (job length 25mm)
Cycle time: 15 sec
Additional Item: Temperature & Viscosity Control Unit
Loading: Manual operation



Two Station Conveyorized X-Y Axis Spray Coating Machine (DC Motor/Servo Motor/Pneumatic Operated System)

SPECIFICATIONS
Spraying Area: 400 mm / 600 mm / 800 mm
 Flat Components and Plain Washers
Auto Spray Gun: Iwata Make 1.2 mm – 2 Nos
Cycle Time: Cubic Feet per Minute (CFM) 44
Additional Items: Temperature Data Logger

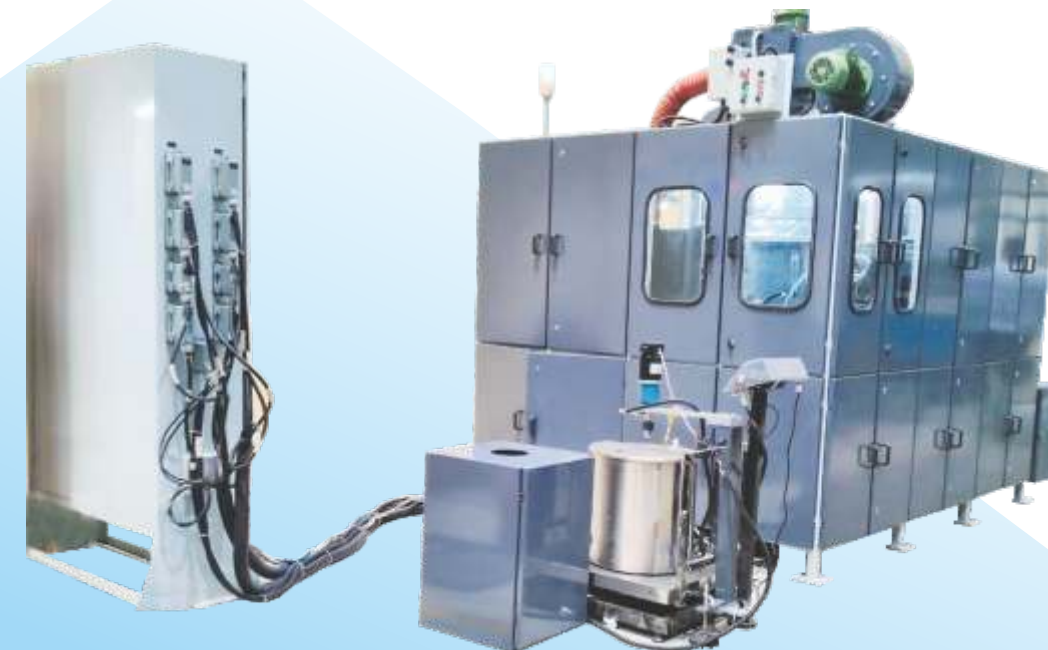


Spray Coating Machine



Two Station Rotary Indexer ID/OD Spray Coating Machine (Servo Motor Operated System)

SPECIFICATIONS
Spraying Length ID/OD (height) : 0 - 300 mm
Diameter Range: 25 mm - 150 mm
Spraying Stations: For Primer & Topcoat
No. of Fixtures: 12-24-48



Spray Coating Machine



Universal Tumbling Spraying Machine

SPECIFICATIONS
Drum Capacity: 20Kg/35Kg/80Kg
Drum Rotation Speed: 9 to 30 rpm
Cubic Feet Per Minute (CFM): 12, 15, 20
Standard Nozzle: 1.00-1.5mm



Testing Machines

Vertical Bond Testing Machine

SPECIFICATIONS
Component: Round/Bush
Load Capacity : 2 Ton, 5 Ton and 10 Ton
 Hydraulic Operator System



Horizontal Bond Testing Machine

SPECIFICATIONS
Component: Round/Bush
Load Capacity : 2 Ton, 5 Ton and 10 Ton
 Hydraulic Operator System
 Pneumatic Operated System



Testing Machine



Cantilever Load Testing Machine

SPECIFICATIONS

Load Capacity : 2 Ton, 5 Ton and 10 Ton
Component : Ceramic Insulator
 Hydraulic Operator System



Push Pull Load Testing Machine

SPECIFICATIONS

- **Capacity:** 1 ton, 2 ton, 10 ton (optional)
- **Overall Size:** 0.8 meter x 0.5 meter x 0.8 meter height

Test Performed on the Machine:

1. Axial Test
2. Radial Test
3. Conical Test
4. Torsional Test



Finishing Machine



Deflashing Machine

SALIENT FEATURES AND ADVANTAGES

Safety:

- Operator's safety is biggest advantage
- Operators don't interact with high-speed rotating parts like motors, brush etc.
- Localised and effective extraction of hazardous rubber particles

Productivity:

- Cycle time < 5 sec.
- Quick change over time of component fixtures (less than 5 min)
- Easy and quick loading and unloading of components which leads to high productivity

Quality:

- Uniform and accurate Deflashing of components
- Easily controllable parameters (like Deflashing time, stock and stroke) to achieve expected quality

Other Factors:

- Simple and rugged design
- Quick change over time for fixturing
- Fixture to accommodate wide range of components
- Easy for installation and handling
- Low maintenance machines



Swaging Machine

SPECIFICATIONS

Pressing capacity: 10 Ton, 60 Tons
Working Pressure (Max) : 300bar
Length & Width of machine: 1000x 1000mm
 Hydraulic Operator System



Summit Engineers & Consultants Pvt. Ltd. is engaged in manufacturing automation systems for rubber industries in India and abroad since 2004.

They have worked extensively on various coating techniques and technology. Recently, they acquired a new technique of coating with anti-blocking or frictionless agent coating, a new adhesion technique for rubber components like O-rings, sealing rings for life and quality improvement in support with M/s Fuchs India Pvt. Ltd., the world's largest independent adhesive & lubricant manufacturer from Germany. This technique helps preserve dynamic properties of the basic material, reducing friction and providing significant wear reduction of parts.

With unmatched quality, service, and performance, they are closely associated with many large industries and have developed a portfolio of automated machines catering to the needs of the rubber industry for over a decade.

What can we help you with today?

Expanding Production: Help design solutions to increase capacity and improve productivity if production requirements have increased.

Upgrading Processes: Assist in optimizing adhesive material coating processes to reduce waste and part-reject rates due to uneven or improper coating.

Starting New Projects: Provide best material coating solutions for new product implementations.

Resolving Quality Issues: Design custom solutions for quality issues, optimizing flow rates, spray angles, drop size, air, liquid, and temperature flow controls.

Service: Offer full support during commissioning, on-site operator training, operating manuals, drawings, maintenance, and troubleshooting guidelines with a one-year full service warranty for manufacturing defects.



INDUSTRIAL SECTORS
WHICH WE SERVE



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