



DESTINY ENVIRO SOLUTIONS
An ISO 9001:2015 Company

**Get a smooth finish every time
- because no one likes a rough edge!**



Industrial Parts

Deburring | Finishing | Washing | Cleaning



About Destiny Group of Companies

Destiny Group, an innovative organization established in 2013. We specialize in designing, supplying, installing, testing and commissioning Fire Protection Systems in compliance with NFPA/FM/NBC/IS/OISD standards. Our expertise also extends to Electrical, Electromechanical, and Utility services, and we are expanding into High Voltage and Low Voltage electrical systems.

In 2018, we diversified into manufacturing machines for industrial parts deburring, finishing, washing and cleaning. Since 2021, we have further innovated by manufacturing EOT cranes and lifting equipment.

Vibro-Rolls Chemically Accelerated Vibratory Deburring and Finishing Machines and Parts Cleaning Machines:

-  Standard Vibrator
-  Spiral Vibrator
-  Rectangular Vibrator
-  Vibro Dryer for stain free drying
-  Barrel Finishing Machine
-  Disc Finishing Machine
-  Customized Finishing Systems

Vibro finishing process is an effective method for achieving smooth and polished surfaces on various parts. It utilizes a vibratory finishing machine, which consists of a specially designed bowl that holds the workpieces, media (such as ceramic, plastic, or steel), water, and a finishing compound.

Key Features of the Vibro-Roll Finishing Machine:

-  **Vibratory Motor:** The machine is equipped with a specialized vibratory motor positioned at the center of gravity (C.G.) of the system. This motor generates an intense spiral motion, facilitating the interaction between the parts and the finishing media.
-  **Finishing Capabilities:** The relative motion of the parts and media effectively deburrs, descales, and polishes surfaces, making it suitable for various finishing applications.
-  **Separation Options:** Vibro-Roll offers multiple options for separating parts from the finishing media, enhancing operational efficiency.
-  **Bowl Linings:** The bowl can be lined with hot cast polyurethane or natural rubber, which helps protect the machine and enhances the finishing process.
-  **Drainage System:** The machine features a drain for the easy discharge of used finishing compound and water, simplifying maintenance and cleanup.
-  **Capacity Range:** Vibro-Roll machines are available in a wide range of capacities, from 60 liters to 1200 liters, allowing for flexibility to meet different production needs.

Overall, the Vibro-Roll Vibratory Finishing Machine is a versatile and efficient solution for various industrial finishing tasks, improving the quality and aesthetics of finished parts.

Our finishing machines are capable of achieving Ra value of 0.05 microns

Application of Mass Finishing & Cleaning

▶ Deburring	▶ Brightening
▶ Edge Radius	▶ Burnishing
▶ Descaling & Dedusting	▶ Polishing
▶ Surface Finishing	▶ Pre-plate Finishing
▶ Fatigue Life Improvement	▶ Fine Finishing
▶ Heavy Cutting	▶ De-Carburising
▶ Degreasing, Deoiling, Washing and Cleaning	▶ Matt Finishing
▶ Smoothing	▶ Mirror Finishing

Sector Served

Automotive



Aerospace



Defense



Precision Engineering



Consumer Products



Railways



Power



VIBRO ROLLS - VIBRATORY FINISHING MACHINES

Vibro Rolls - Vibratory Finishing Machines (Std Models without Separation facility)



Model	Total Volume (Litres)	Outer Diameter (mm)	Chamber width (mm)	Power HPx RPM
VR-60	60	840	195	0.5 x 1440
VR 120	120	1020	225	1 x 1440
VR-220	220	1165	265	1.5 x 1440
VR-350	350	1335	340	2 x 1440
VR-500	500	1420	415	2.5 x 1440
VR-600	600	1620	500	5 x 960
VR-800	800	1680	500	7.5 X 960
VR-1000	1000	1890	520	10 x 1440
VR-1200	1200	1960	590	10 x 1440

Vibro Rolls - Vibratory Finishing Machines (Std BB Models without Separation facility)

Model	Total Volume (Litres)	Outer Diameter (mm)	Chamber width (mm)	Power HPx RPM
VR-60 BB	60	840	195	1 x 1440
VR-120 BB	120	1020	225	1.5 x 1440
VR-220 BB	220	1165	265	2 x 1440

Vibro Rolls - Vibratory Finishing Machines (Separation with reverse direction facility)



Model	Total Volume (Litres)	Outer Diameter (mm)	Chamber width (mm)	Power HPx RPM
VR-70 S	70	840	195	0.5 x 1440
VR-120 S	120	1020	225	1 x 1440
VR-220 S	220	1165	265	1.5 x 1440
VR-400 S	400	1360	350	2 x 1440
VR-700 S	700	1860	510	5 x 1440
VR-1000 S	1000	1865	520	7.5 x 1440

Vibro Rolls - Spiral Vibratory Finishing Machines (Separation - 100%)



Model	Total Volume (Litres)	Outer Diameter (mm)	Chamber width (mm)	Power HPx RPM
VR-120 SP	120	1130	230	1 x 1440
VR-250 SP	250	1290	290	2 x 1440
VR-450 SP	450	1530	310	5 x 1440
VR-850 SP	850	1800	410	10 x 1440

Vibro Rolls - Drier (For Stain Free Drying)



Model	Outer Diameter (mm)	Chamber width (mm)	Power HPx RPM	Heater kw
VR-70 D	850	220	0.5	1
VR-130 D	1020	240	1	1
VR-200 D	1170	280	1.5	2
VR-250 D	1400	325	2	3
VR-300 D	1420	410	2	3
VR-600 D	1540	500	5	4

VIBRO ROLLS - VIBRATORY FINISHING MACHINES

Vibro Rolls - Rectangular Vibratory Finishing Machines



The top advantage of rectangular finishing machines is its ability to finish large, long workpieces in high productivity which vibratory bowl cannot achieve.

The machine comes with detachable compartmentalization, which can be tweaked to meet the varying demands of the workpiece, by virtue of their geometry.

Possesses a highly wear-resistant work tub, lined with polyurethane, to increase its service

Models 100 to 625 litre capacity Machines are provided

Barrel Finishing Machines (BFM)



Advantage of Barrel Finishing Machine is the high G-forces generated during the process significantly speed up the removal of material and the achievement of the desired surface finish. The controlled environment of centrifugal finishing provides a uniform and consistent finish across all workpieces

Models 40 to 200 litre capacity Machines are provided

Disc Finishing Machines (DFM)



Processing is carried out in an open drum (the process container) with a base plate in the form of turntable or disc. The workpieces, together with a suitable polishing or grinding granulate, are set in motion by the rotation of the disc to create a toroidal stream inside the stationary drum.

Models 40 to 400 litre capacity Machines are provided

PARTS CLEANING & ACCESSORIES

Industrial Parts Cleaning

Parts cleaning is crucial in many industrial processes, serving as a vital step before surface finishing or to protect sensitive components. We provide a range of parts cleaning machines designed to meet your specific cleaning requirements.

Rotary Basket

Conveyorized Spray

Rotary Spray

Index Type Spray

Cylindrical Rotary Screw

Ultrasonic Cleaning for Table Top & Multi Stage

Customized Cleaning / Cylindrical Screw Feed / Single Piece Flow Continuous



Precision parts cleaning machines that achieve a Millipore value of less than 1 mg

Accessories

- Sound Reduction Cover
- PLC based Control Panel
- Simple Control Panel
- Magnetic Separator
- Dosing Unit
- Auto Loading System
- Waste water filtration and recycling System

Consumables for Deburring, Finishing, Washing and Cleaning Applications

Wide variety of media and chemicals which is used in proportion with the parts.

Finishing Media available in plastic, ceramic and porcelain material



Compounds for Cleaning

Aqueous cleaning compounds are widely utilized across various industrial parts cleaning methods, including spray cleaning, ultrasonic cleaning, and immersion cleaning.

Destiny Advantages



Ready Stock



24x7 Service Support



Process Center for components trial

Repair & Reconditioning

Repair and recondition any type of Vibratory and Barrel Finishing Machines

Upgrades and Enhancements:

Improve efficiency and performance with the latest technology and features



OTHER SERVICES

Fire Protection Systems



- 🔥 Comprehensive Fire Protection Solutions
- 🔥 Advanced Fire Safety & Protection Systems
- 🔥 Fire Prevention and Safety Systems
- 🔥 Innovative Fire Protection Technology
- 🔥 Reliable Fire Protection Services



MEP Services - Mechanical, Electrical and Plumbing



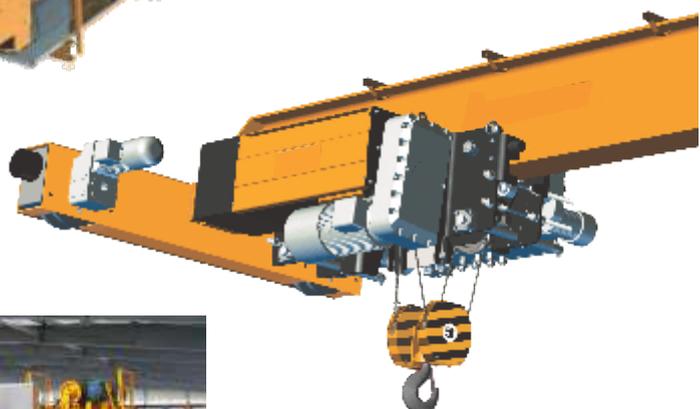
- 🔥 Expert MEP Engineering Solutions
- 🔥 Integrated MEP Services for Efficient Operations
- 🔥 Comprehensive Mechanical, Electrical, and Plumbing Solutions
- 🔥 Advanced MEP Systems Design and Installation
- 🔥 Reliable MEP Services for Buildings & Infrastructure

OTHER SERVICES

Manufacturing & Supply of EOT Cranes

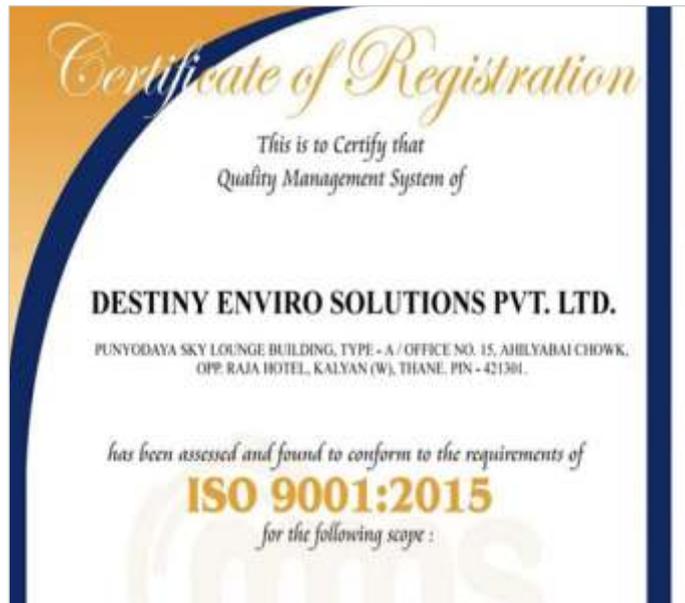


-  High-Performance EOT Cranes and Lifting Solutions
-  Efficient EOT Crane Systems for Heavy Lifting
-  Reliable Electric Overhead Travelling Cranes
-  Advanced EOT Crane Services and Installations





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