



VINODRAI
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Bi-Axial Rotolining Machine

For Seamless lining of Pipes & Vessels



Vinodrai Engineers introduces Bi-Axial Rotolining Machines for Substituting exotic metals by innovative low cost high performance Rotolined Pipes, Process and Storage Vessels.

Application : Chemical, Pharmaceuticle, Food Processing, Effluent Treatment, Oil & Gas Industry, Storage Vessels, Reactors and Pipe Line.

Coatings : LLDPE, HDPE, XLPE, Nylon PA12, PVDF & PTFE.

High Performance at Low Cost



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Single Station Bi-Axial Rotolining Machine

**Model : RL-200, RL-300, RL-500,
RL-1000 & RL-2000**



Vinodrai Engineers has developed a range of special rotational moulding machine most suitable for Rotolining application. The rotolining process allows for a seamless polymer coating to be applied to the interior surfaces of metal vessel, pipeline, pipe fittings or any hollow metal structure to protect against corrosion and abrasion in chemical services.

Vinodrai rotolining machines are state of the art piece of technology surpassing any global standard rotolining equipment. Machines are designed to give processing temperatures suitable for LLDPE / HDPE / XLPE / Nylon PA12, PVDF and PTFE. Rotating arms are designed for higher weight carrying capacity.

Machine is designed to give you peace of Mind.



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Single Station Bi-Axial Clamshell Type Rotolining Machine

Model : RLC-5000, RLC-10000



Single Station Bi-Axial Clamshell Type of Rotolining machines are highly suitable for large volume vessels, long pipes & structures.

This range of Rotolining machines are designed to take up heavy parts ranging from 1000 Kg to 3000 Kg. Machines can be custom made for specific requirements of customer.

Rock N Roll open flame machines are no more reliable option. Clamshell type of closed furnace offers very reliable process control by PLC based system is provided to ensure uniform lining.

Machine is designed to give you peace of Mind.



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Rotolining Benefits

Rotolining is used to install fully bonded, seamless liners in piping or process equipments. It is corrosion and abrasion resistant for chemical services.

The process works by rotating the part in an oven, allowing gravity to evenly distribute a layer of molten polymer on all internal surfaces. The result is a seamless lining that conforms to complex shapes and is virtually free of any stresses.

Advantages :

- ✓ Seamless stressfree liner reduces failure points.
- ✓ Exceptional corrosion resistance of acids.
- ✓ Fully-bonded liner reduces the risk of delamination.
- ✓ High operating temperatures.
- ✓ Mechanical bonding eliminates adhesives.
- ✓ Longer service life.
- ✓ Easily line complex structures.
- ✓ Strong abrasion resistance
- ✓ Lining thickness up to 3-20 mm.

Rotolining Materials:

Wide variety of Polymer materials are available for Rotolining depending on chemical resistance, operating temperature & abrasion resistance required in application. LDPE, HDPE, PP, Nylon PA 12, ETFE, FEP, PFA, PVDF & ECTFE are some of the most popular polymer powder used to give varying degree of protection to base metal.

Rotolining Applications:

Typical applications of Rotolining in industry are Lined Centrifuges, Lined Storage Tanks, Lined Filters, Lined Dryers, Lined Reactors, Lined Mixers, Lined Columns, Lined Valves, Lined Pipes Fittings, Lined Pumps & Lined Blowers



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Global Technological Partner



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Value for Money

About Us



VINODRAI ENGINEERS is a specialist manufacturer & global supplier of rotational moulding machines, based in Jalna, a business town nestled in the state of Maharashtra (INDIA).

VINODRAI ENGINEERS PVT. LTD. is a TÜV AUSTRIA certified ISO 9001:2008 company. Volume-wise, Vinodrai is the largest producer of rotational moulding machines in the world. We have successfully installed over 300 automated Rotational moulding machines; in more than 50 countries worldwide, for 150+ satisfied customers.

At Vinodrai, we are engineers at heart, with passion, knowledge and problem solving attitude fueling our growth and capabilities. Our main focus is on maximizing our client's profits with efficient rotational moulding machines. We take pride in constant pursuance of client satisfaction with our excellent after sales support team.

Vinodrai's wide range of continually evolving machines includes Single Station Bi-axial Machines, Three Arm Bi-axial Machines fit Clamshell Bi-axial Machines with over 25 different models to suit every customer's needs. Spearheaded by technocrat CEO, Mr. Sunil V. Raithatha - a B. E. Mechanical gold-medalist and an achiever in his own right, the company has been on the growth side since inception. In fact under his leadership, "Vinodrai" has ushered the Rotational Moulding revolution in India with some of the very first machines to its credit.

We value growing business relationships over money and that's what inspires us to excel at engineering and help our clients beyond it. At VINODRAI, We don't just engineer machines, we engineer your growth.



VINODRAI ENGINEERS P. LTD.

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