

EVEREST

AGITATION & DRYING SYSTEMS

ELECTROPLATING



EVEREST TURBO

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EVEREST TURBO Agitation and Drying Systems for Electroplating Industry is a revolutionary step towards the enhancement of technology, eliminating the usage of costly Compressed Air Systems & inefficient Mechanical Centrifuge for agitation of water & drying of electroplated batch respectively, which results in the cost savings in number of ways:

- Low Capital Cost as compared to Air Compressors (Which Includes Air Receivers, Air Driers and Filters)
- Lower Power Cost on Specific Power Consumption. For Air Compressor Its 1hp/cfm of Compressed Air Plus Pressure Losses across Pipeline and Filters
- Enhanced Plating Quality through Better Pulsation Free Agitation
- 100% Oil-Free Regenerative Blower Maintaining Homogeneity of Solution
- Pulsation-Free, Continuous Air Delivery
- No/Low Maintenance Design. No On-Line Filters or Air Driers for Moisture removal.
- Safety of Material in Drying Application
- Low Noise Level of Everest Blowers hence can be kept Close to the Application Area
- No Complex Foundation





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SINGLE & MULTI BLOWER DESIGN

In multiple-tank plating systems, We offer one blower per tank & also, one blower for the entire system, or various blowers on groups of tanks. In-tank air distribution and plating quality is equal in either option, if the system layout is correct. Use of multiple blowers will help to control the plating process and the blower efficiency.

SINGLE BLOWER

Advantage:

- Capital Cost of One Unit is generally less than multiple units.
- Efficient Use of space

Challenges:

- If Tanks are taken off-line or added in the future, an air bleed is required to prevent excess air agitation and over-pressuring blower.

MULTIPLE BLOWER

Advantage:

- Best Control and efficient use of Blowers when not at 100% Production

Challenges:

- Different accessories needed for Blowers (Filter, Starters, etc)
- Space management



Everest Agitation & Drying System helps in replacing compressed air and other high-pressure air moving devices in metal finishing lines and furnish clean, 100% Oil-free, continuous air for reliable and energy efficient air agitation of electroplating tanks. Each installation of Everest Turbo Blower and Air Knife decreases a plant's operating expenses and improves the plating plant quality.

The use of low-pressure air to agitate metal finishing plating, anodizing, rinse & wash tank solutions represents a milestone in the advancement of electroplating technique. While decreasing your operating costs, you can expect low pressure air agitation to:

- Enhance plating quality
- Increase production
- Permit a more continuous plating process
- End-to-end Quality of material from plating process to drying
- Batch homogeneity and safety

