

WIN WITH



## Ivadizing Systems Economical and Pollution-Free Aluminum Plating of Engineered Components



The Ivadizer® plating equipment from Ipsen uses ion vapor deposition to apply a high performance, dense coating of aluminum with superior adhesion and thickness uniformity. Since the Ivadizer® is plasma assisted coating it provides excellent throwing power, extending the deposit readily into part cavities.

The Ivadizer® operates at temperatures below 250°F, depending on part geometry. Therefore, temperature sensitive parts can be safely and effectively coated using this process.

Two types of equipment are available for applying ion vapor deposited aluminum:

- Rack Coater for the treatment of large components
- Barrel Coater for the treatment of small, high volume parts

The basic components for either type of coater include a vacuum chamber, pumping system, evaporation source, high voltage power supply, and an internal racking system.



# Pollution-Free Alternative to Cadmium Plating

Ipsen Ivadizing Systems provide an acceptable alternative to cadmium plating for the aerospace and automotive industries. Pollution-free systems offer proven vacuum and plasma technologies for the plating industries.

## Standard Features

- Compact easy to use control console and electrical system provide manual or semi-automatic control in one central location for efficient, trouble free operation
- Programmable high-speed controller provides a automatic control of pump down
- Combined mechanical/diffusion pumping systems offer minimized pump down time for improved production rates
- High-voltage power supply, controlled from the front panel provides 2kVat 3 A and is safety interlocked
- Saturable core reactor power supply with an output of 12 V.a.c. and 900 A continuous
- Evaporator system fully equipped with evaporator boats, boat clamps, wire feeders, guide tubes, a wire supply and shielding to reduce and prevent shorting
- Evaporator stations are individually adjustable for pre-heat and run power
- Translating evaporation system, continuous aluminum feed and evaporation, and a standardized parts racking system accommodate high production rates

## Optional Features

- Cryogenic pumping systems for efficient pump down
- Load preparation and pre-cleaning systems
- Glass bead peening cabinets
- Coating adhesion testing kits
- Chromate conversion bath systems
- Sodium hydroxide stripping and cleaning systems

## Dimensions & Specifications

Model Number and Type	Standard Load Size		Weight		Standard Pump Sizes Mechanical/Blower		Diffusion Pump
	Inches	mm	lbs	Kgs	cfm/cfm	i/m i/m	l/s
HR-4872IVD-Glo (Barrel)	28x14x48	711x356x1219	300	136	300/400	8500/11,330	17,500
HR-3636IVD-Glo (Lab)	14x14x24	356x356x610	75	34	80/*	2260/-	10,000
HR-72144IVD-Glo (Rack)	60x18x120	1524x457x3048	1200	545	300/600	8500/1700	33,000

Note: non-standard sizes quoted upon request; no second stage blower included in standard pump package.

