

The IDCoater

Integrated Dip Coater-Dryer

State of the Art Coating Solution

The IDCoater is the obvious choice for state of the art liquid photoresist coating of rigid and flex panels for fine lines.

Cleanliness and Coating- Consistency

IDC's compact dip coater-dryer features a fully automatic internal processing designed to coat up to 120 panels (22"x28") per hour in a self-contained environment that ensures a class 1000 level of cleanliness or more. While easy to operate, the IDCoater accomplishes a uniquely high standard of uniformity and consistency of the coating managed by a variable parameter control. A proprietary circulation and filtering system enables the achievement of superior levels of cleanliness.

Compatibility

The IDCoater has been optimized for a variety of photoresist liquids available on the market, based on its enhanced control capabilities over physical parameters such as: dryer temp.; resist heating & cooling; viscosity metering and solvent supplementing; dipping velocity; deep filtration, etc.

Easy Operation

The IDCoater's small footprint and simple batch-mode operation enable easy integration in the product line. The vertical load and unload subsystems are designed for convenient, safe and efficient panel handling.

The Competitive Edge

The IDCoater's unique integrated coating and drying design delivers high throughput at low cost, making it the most cost-effective liquid resist coater you can get.

System Specification

OUTPUT	Tack dry resist-coated panel ready for lithography.
THROUGHPUT	Up to 120 panels per hour, depending on resist characteristics
PANEL THICKNESS	Min 2 mils (50 microns), excluding copper Max 30 mils (750 microns), excluding copper
PANEL SIZE	Minimum panel size 10"x 14" (254 x 356mm) Maximum panel size 22"x 28" (559 x 711mm)
PANEL HANDLING	Manual load/unload, automatic internal processing
CLEANLINESS ENVIROMENT	Class 1000, internal Operating temperature range 69-79°F (20-26°C) Operating relative humidity range 40-60 % Environment level class 10,000 or better
PHYSICAL DIMENSIONS	Width: 95" / 2440mm Depth: 74" / 1880mm Height: 88" / 2235mm
CERTIFICATIONS	Explosion proof; CE approved



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