



ELECTRONIC MATERIALS
CIRCUIT BOARD TECHNOLOGIES

FILLER COATER DF 1122

For Imaging Materials Applications

DESCRIPTION

The Filler Coater DF 1122 employs a thick-copper track-filling system which is patented and exclusive to Rohm and Haas Electronic Materials. Panels are processed in-line with excellent throughput. Copper tracks are filled uniformly and completely, prior to complete encapsulation by a soldermask topcoat. The coating system has been designed in conjunction with Rohm and Haas Electronic Materials Durashield V42 Filler. An exclusive stainless steel belt has an excellent self cleaning system by dual blades which allows to keep the unit clean from possible product leak. The Filler Coater DF 1122 has a completely closed structure. It is suitable for the operator safety and to remove, by an exhaust system on the upper side of the machine, possible residual product vapours. The unit also has the possibility to separate the rooms, one of centering-alignment, the other of process-application of product.

ADVANTAGES

- Unique design—purpose-built machine, designed in combination with in-house V42 filler chemistry
- Hydrodynamic filling system (Patent No. PCT/FR04/02043) giving full control of filling pressure, depth and uniformity
- Efficient coated panel transport—stainless steel belt with an excellent self-cleaning system by dual blades
- Filler head is automatically fed from an external tank by pump (no capacity limit)
- Full automation possible, line rate adjustable up to 2.2 m/min., (7.2 ft/min.) equivalent to 5 x 420 mm (0.2 x 16.5 in.) length panels/min.
- Friendly operation—touch screen display—operator interface in local language
- On-line GSM phone connection for remote monitoring and software updates
- Control panel is frontal and easy to access—retrievable recipes/program settings
- Filler head can be adjusted to over fill the inter track areas in order to avoid any deep risk
- Variable-speed AC motors with frequency drives—integrated soft-contact panel centering unit
- Easily interchangeable filler head (> 10 min.)—maximum permissible panel width of 560 mm (22 in.)
- Customized coating head sizes for panel-coating precision
- Stainless steel and aluminum construction—suitable for clean room operations
- Preset for automatic in-line operation—easy handshake with other units



FILLER COATER DF 1122

General Specifications

Overall Dimensions

Width	1,250 mm (49.2 in.)
Length	3,000 mm (118.1 in.)
Height (min.–max.)	1,840–2,040 mm (72.4–80.3 in.)

Electrical Requirements

Power Type	Single phase; 50/60 Hz + Ground
Power Consumption	1.5 KVA
Nominal Voltage	230V

Compressed Air

Consumption	5 NI/min./cycle (0.2 cfm)
Min. Pressure	6 kg/cm ² (85.3 psi)

Weight

Gross	815 kg (1,796 lbs.)
Net	630 kg (1,389 lbs.)

Operation Features

Panel Size

Width (min.–max.)	340–560 mm (13.4–22.0 in.)
Length (min.–max.)	220–610 mm (8.7–24.0 in.)
Thickness (min.–max.)	1.0–3.0 mm (0.039–0.118 in.)

Conveyor (Adjustment)

Conveyor Height (min.–max.)	875–1,050 mm (34.4–41.3 in.)
Working speed adjustable up to 2.5 m/min. (8 ft/min.)	

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