

Glass Lamination System TM-36GL-TV-HV 7"-12"



Overview

TM-36GL Soft/Rigid to Rigid attachment machine is designed for lamination of soft film onto hard glass.

The lamination process takes place in a vacuum chamber. The bottom fixtures are interchangeable.

For soft to rigid lamination, top heating with bottom mesh and roller configuration are deployed.

It has the flexibility of attaching substrate sizes ranging from 7"- 12"

Features and Benefits

- Integrated with high accuracy constant heat controller for top holder unit
- Motorized roller
- Built-in vacuum
- Manual mode for machine setup
- 20 programmable profiles can be stored electronically
- LCD touch screen interface for ease parameter data storage and recall
- Interchangeable between Soft to Rigid lamination and Rigid to Rigid lamination by interchanging the fixtures

Applications

- Soft to Rigid Lamination, e.g., ITO, PET film to LCD
- Rigid to Rigid Lamination, e.g., hard glass to ceramic

Power requirement	1 phase, 220VAC +/-10%, 50/60 Hz.
Operation ambient	23°C. +/-5°C., 40 to 100% humidity with no significant dust
Supply air pressure	Filtered clean and dry Air, 5-7kgf/cm ²
Air consumption rate	300l/min.
Air inlet	1µm filter & regulator installed
Machine specifications	
Programmable profiles	20
Work table size	250mm x 160mm
Work holder	Single cavity, rotary table
Dimensions	L/W/H: 1442mm x 1014mm x 1900mm
Weight	Approx. 420kg (excl. vacuum pump)
Fixture configuration	Mesh with bottom roller for Soft to Rigid Fixture for Rigid to Rigid
Glass holder unit specifications	
Hold temperature	30°C. to 80°C.
Hold period	0.1 sec. – 99 sec.
Thermocouple type	K type
Bonding force	20kgf – 170kgf
Attachment unit specifications	
Roller movement	Motorized X-axis
Rolling force/ rolling speed	10kgf – 68kgf / 10mm/sec. – 90mm/sec.
Vacuum specifications	
Vacuum source	Built-in vacuum pump
Vacuum chamber pressure	Up to -50 Pascal
Product specifications	
Top Substrate size	5" – 12" (Min. 130mm x 135mm, max. 320mm x 230mm)
Hard cover thickness	0.1mm – 6.0mm
Glass thickness	0.3mm – 2.0mm
Fixture	Subjective to product

Specifications are subject to change without prior notice.