

V3 LDI

The V3- LDI can be installed to any Laser Direct Imaging machine available in the market.

It loads and unloads inner and outer layers with dry film, roller clean the top surface and lay them on the DI table to be exposed.

The V3-LDI Loader/ Unloader was designed to load direct imaging machines drastically reducing human intervention.

This machine was designed to serve big / medium and prototype PCB shops with a large mix of jobs.

The V3- LDI Loader has the capability to load and unload inner and outer layers with dry film, roller clean the top surface and lay them on the DI table to be exposed.

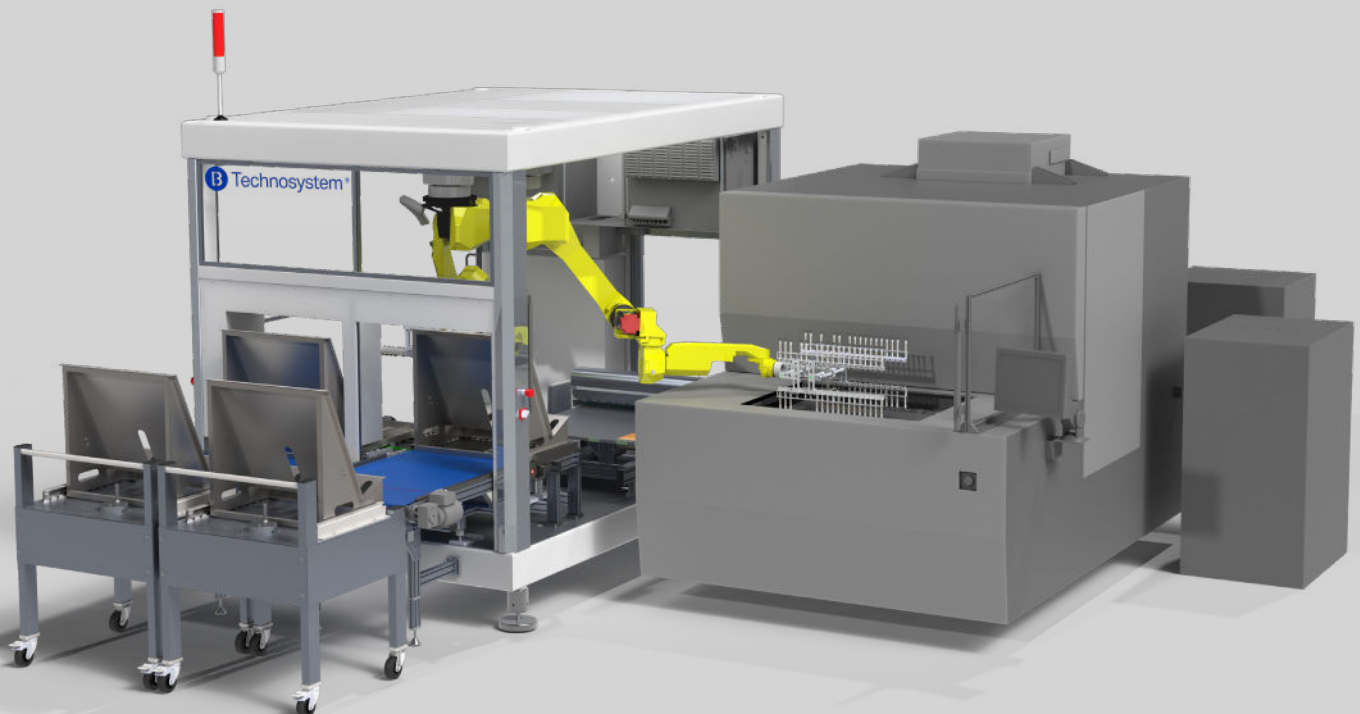
Additionally the machine can be equipped with the solder mask panel option. With this option the V3 – LDI Loader will be capable of picking up solder mask panels from a slotted rack, expose them on both sides and return them to the slotted rack avoiding any contact between panels.

The Loader has a full integration with the DI in order to know when the board has been exposed, when it needs to be flipped and when to be removed from the table.

The full protocol integration with the DI is designed to generate a job list with as many as required different jobs. The V3 - LDI Loader has the capability to exchange racks with exposed panels for L-Racks or Slotted racks with non-exposed panels in order to have a nonstop production.

The loader is equipped with two buffer stations one for dry film and one for solder mask panels that changes automatically according to the identification of the panel. A fully integrated cleaning device guarantees the panel is roller cleaned before it is laid on the DI table.

The machine can be equipped with and automatic UV marking device if requested.



	Length	Width	Thickness	Weight	Line speed to range	
Max. Panel Size	620mm	530mm	3,2 mm	5 Kg	Panel / min	5
Min. Panel Size	460mm	350mm	25 µm	0,1 Kg	Max m / min	-

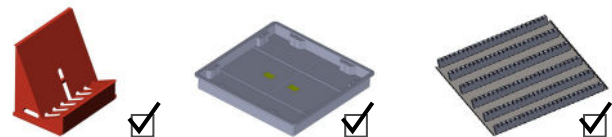
Youtube
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Technical features

Main features	Loader / Unloader
CCD Camera for Alignment	✓
Interleaves	✓
6 Axis Robot	✓ (2 Units)
Touch Screen	✓
PLC (Control)	✓
Venturi system Arm N°1	✓
Venturi System Arm N°2	✓
Automatic Adjustment of Suction Cups Arm N°1	0
Automatic Adjustment of Suction Cups Arm N°2	0
Centering device by CCD camera	✓
Panels in L Rack	✓
Panels in Slotted Racks	0
Automatic Exchange of Racks	✓
Turning Device	✓
Roller cleaner	✓
UV Marker device (excluded UV head)	0
Suction Cup Double Gripper	✓

✓ = Included
 0 = Opcional
 N = Not available



Dimensions

