

High-End Automation Millenium V3

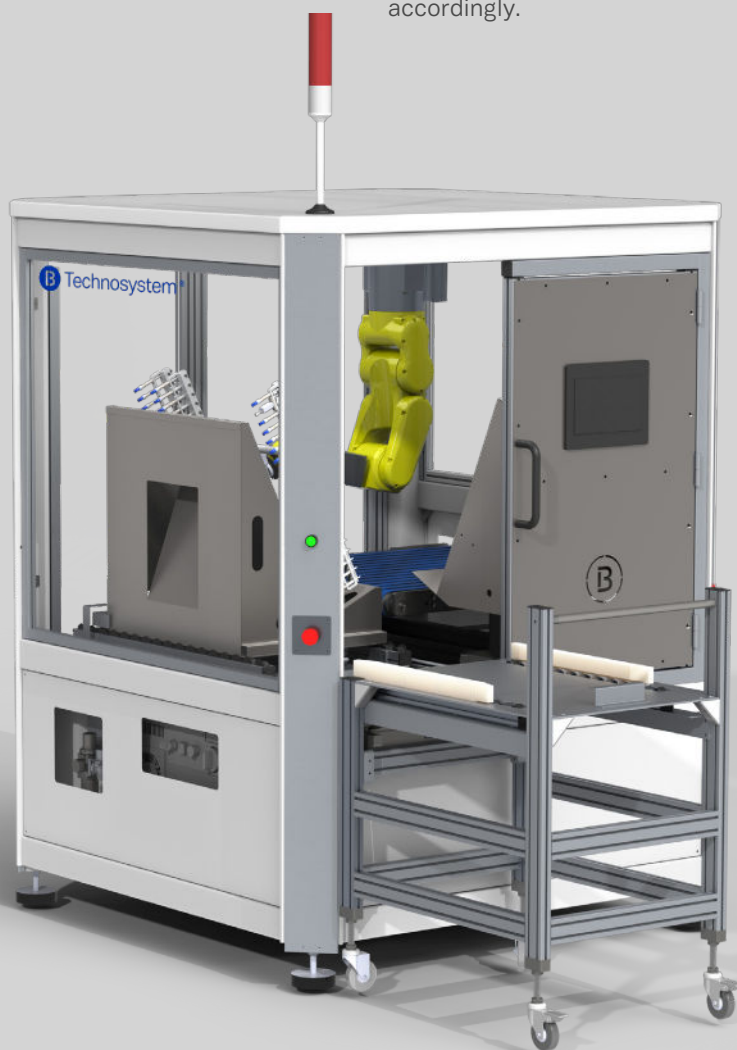
The Millenium V3 line is designed for use in mid-sized and high-end PCB shops where PCBs are extremely sensitive to manual handling.

This line seamlessly adjusts to panel sizes on the fly, eliminating the need for manual intervention. The contact-free alignment system effectively removes all friction between the conveyor rollers and the PCBs. It can precisely detect and pick up panels on the conveyor without the requirement for any mechanical centering devices.

The system can operate with or without plastic interleave, depending on the selected function. Additionally, it features a buffer station where panels can be placed while the operator exchanges the L-rack, allowing horizontal lines to run continuously without interruptions.

This solution is ideal for loading and unloading any horizontal line, accommodating panels of various sizes and thicknesses without the need to halt operations in between jobs. It is equipped with a six-axis robot arm capable of moving at high speed with exceptional accuracy.

All panels are measured upon entering the unloader conveyor, and the suction cup gripper is adjusted accordingly.



	Length	Width	Thickness	Weight	Line speed range	
Max. Panel	620mm	530mm	3,2 mm	3 Kg	Panel / min	6
Min. Panel	460mm	350mm	50 µm	0,1 Kg	Max m / min	5
					Min m/min	0,2

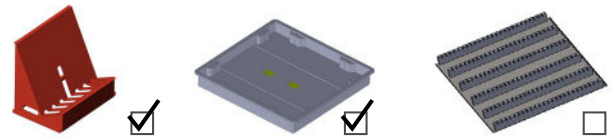
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Technical features

Main features	Unloader	Loader	Buffer
CCD Camera for alignment	✓	N	✓
Double sheet detector	N	O	O
Plastic Interleaf	✓	✓	✓
6 Axis Robot	✓	✓	✓
PLC (Control)	✓	✓	✓
Servo motor on Conveyor	O	O	O
Frequency Converter	✓	✓	✓
Venturi system	✓	✓	✓
Panel Centering device	O	O	O
Decentering device	N	O	O
Horizontal boxes	O	O	O
Automatic Suction Cup Gripper	O	O	O
Automatic Panel Height Measurement on Loader	N	O	O

✓ = Included
O = Opcional
N = Not available



Max. 460 X 610

Dimensions

