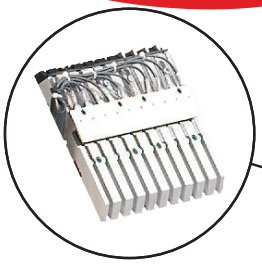
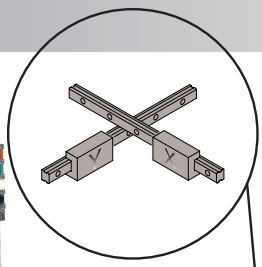
HST-100 Tab Machine

Tab Insertion Robots



10 tracks Tabs magazine



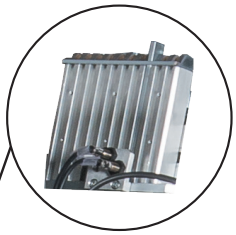
6 servo controlled axis

12" colour touch screen Windows™ PC

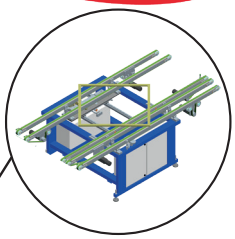
The Robot is complete with:

- A Personal Computer equipped with custom software to program the tabs precise position while the frames move inline along its conveyor.
- All five axis are controlled by servo drives using brushless motors.
- Modified pneumatic OMER gun (or equivalent).
- Automatic reloading of the gun; ten strips per reload magazine
- WINDOWS™ based TABMACHINE software provides a very simple and intuitive way to program and backup the machines programs.
- Mechanical adjustment of the frame guide rails, frame hold down springs, gun, and tab reload magazine height.

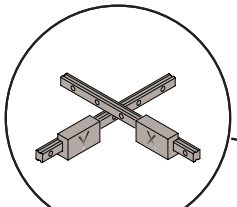
Use only genuine A+Automation Tabs



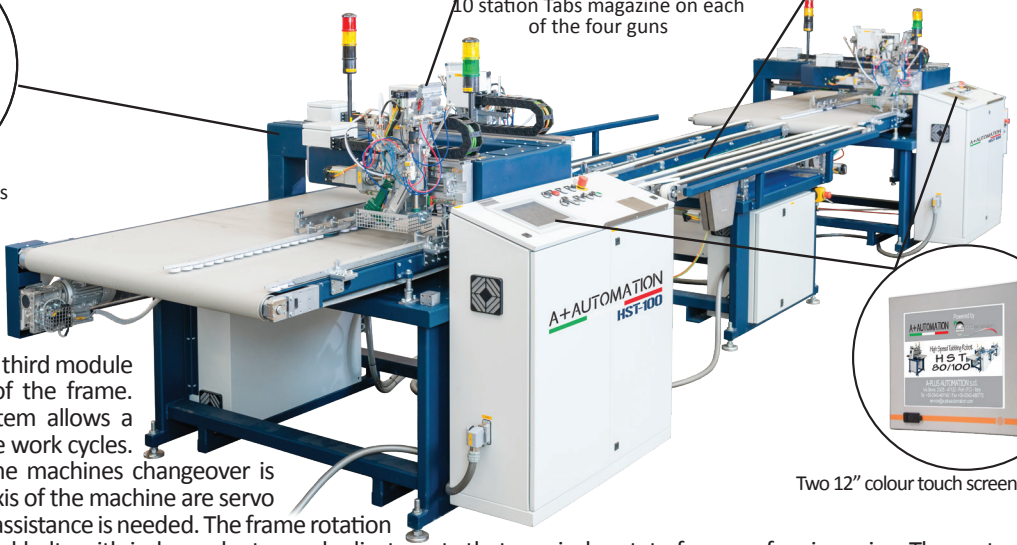
10 station Tabs magazine on each of the four guns



Multiple Rotation system conveyor



10 servo controlled axis



Two 12" colour touch screen Windows™ PC

The HST is a machine composed of three modular inline sections. The first module inserts tabs in the short side of the frame, the second module rotates the frames 90°, and the third module inserts tabs in the long side of the frame. The computerized control system allows a very simple way to program the work cycles. Once you select a program, the machines changeover is performed automatically. All axis of the machine are servo driven, therefore only minimal assistance is needed. The frame rotation module is equipped with several belts with independent speed adjustments that precisely rotate frames of various sizes.The custom WINDOWS™ based software is extremely easy to use and it can be connected to a barcode scanner. The user created programs are protected by a password and several user levels can be set. There is almost an unlimited capacity of programs that can be stored in the PC.

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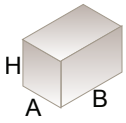
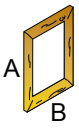
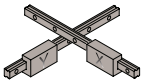
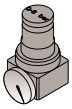
A+ automation USA Inc.

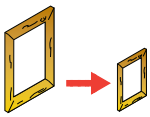
TabMachine HST-100

Tab Insertion Robots

Data Sheet

	Volume	Weight	Frame Dimension	Controlled axis
				
TabMachine	H = 2000mm A = 2200mm B = 2370mm	850 Kg + 450 Kg	min-external size: **100x150mm** max-external size: **900x1200mm**	**6**
HST-100	H = 1770mm A = 1570mm B = 6500mm	2000 Kg	min-external size: **120x170mm** max-external size: **1000x1000mm**	**10**

	Power Supply	Pressure	Working Speed	Software Support
				
TabMachine	Maximum **10Kw (240V-400V/3PH)** Nominal **6Kw (240V-400V/3PH)**	6-8 bar 8 NL/cycle	up to 22 frames/minute (according to frame size and material type)	Windows™ based
HST-100		6-8 bar 20 NL/cycle	up to 40 frames/minute (according to frame size and material type)	

	Changeover	Tabs Stock
		
TabMachine	< 5’	10 Stick magazine +10 Stick magazine optional
HST-100		10 Sticks / gun

Application for mobile devices with O.S. IOS® or Android® that allows management of production data and manages A-Plus devices.

Available in two main versions, our “Tab Robot” is the “state of the art” technology for automated insertion of flexible tabs into picture frames. They have the widest capability in the industry and have already proven themselves in a number of plants worldwide. They are computer controlled and can be operated as a standalone unit or as part of a fully integrated production line.
The “**TabMachine**” with a maximum of 22 frames per minute, it will have a significant impact on your production needs immediately. It has also been designed with the future in mind. As the need for flexibility increases, this machine will facilitate shorter production runs, lower inventories, and frame production matching your actual customer orders!
The “**HST**” or “**High Speed Tabby**” is the high speed version of the Tab Robot. With a productivity rate up to 40 frames per minute, it is the most reliable & efficient tool to anyone challenged by huge production requirements!

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