



# Ultra-Fast Production Programmer



- Fastest times possible: erase-blank check-program-verify hi/lo verify
- Hardware-state, machine-based programming method
- Growing device support list; contact for the latest list
- Designed for automated, high volume applications
- Measures some DC parameters; high and low voltage verification
- 1 to 8 devices programmed simultaneously
- Built-in PC-104 with tele-diagnostics and remote update software
- Automatically data logs every device during handler sorting cycle
- Turn-key production systems for all Exatron Gravity Feed and Pick & Place Handlers, Print & Apply Labellers, and Laser Markers

Through the years, Exatron has automated over 30 models of third party OEM programmers. Many of these models are no longer supported, or are out of business. In most cases, these programmers were designed for engineering applications. By designing universal hardware, these programmers sacrificed speed. Exatron has addressed these issues with the Peregrine. Exatron has been in business since 1974 and plans to be around to support and service the Peregrine for the life of the equipment. In addition, the Peregrine is designed to be application specific. This means it is extremely fast. Exatron uses a hardware approach to program a device. The programming algorithm of a given device is programmed into a "state machine" which then programs the DUTs' real time without PC software overhead. When required to program millions of devices, from a low number of specific vendors, the Peregrine will do the job. Exatron is constantly adding new devices. In some cases, adding devices may require a software update or a simple socket. In other cases, new capabilities will need to be developed. This adds cost, but in many cases, it may be less than just the cost of a socket adaptor on other more universal OEM programmers. Exatron will continue to support all vendors of programmers; Exatron or OEM, because there are applications for both.

## Sample: erase / blank check / program / high & low verify times:

Atmel	93C46	0.5 sec
Intel	87C196-LA	2.5 sec
	87C196-JT	4.0 sec
	87C196-JV	6.0 sec
Microchip	PIC-16C-54	0.2 sec
	PIC-16C-57C	0.3 sec
	PIC-16C-72A	0.4 sec
SST	39VF512	1.1 sec
	39VF010	2.4 sec
	29LE010	6.0 sec

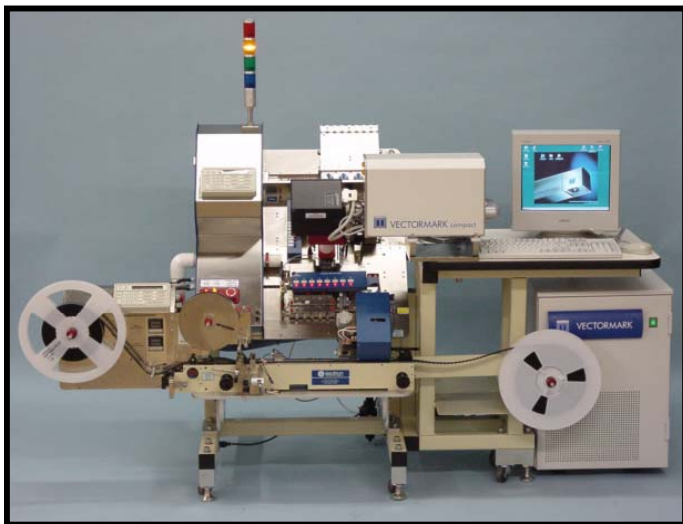
**Option:**  
Program up to 8 devices  
with little to no added  
programming time

Programmable Crystal programming can be added at any time  
(Please see Exatron Crystal Oscillator Programmer data sheet for details)

Size: 7" W, 14.5" D, 9.3" T  
Weight: 20.6 pounds  
Power: 100/240 VAC, 50/60 Hz  
No air required  
Bench top operation  
1-year factory warranty

**Options:**  
Test sockets as required  
Non-Exatron handler docking  
1 to 8 test sites  
Bar code operator set up  
Spare parts kit  
On-site installation

**Model 5000 Handler**



**Direct dock to handler**

