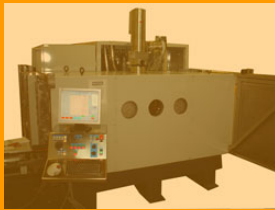




LASTRON-150-800-W LASTRON-200-800-W

Electron Beam Welding System

State-of-the-art manufacturing technologies means improving product design, material properties, production costs and customer functionality. PAVAC systems offer high voltage systems as cost effective solutions for small, medium and large sized corporations world-wide to achieve their goals. Our systems are available in 150kV or 200kV technology.



800mm (32") X-travel
550 mm (22") Y-travel

Reduce your costs!
Increase efficiency!
Maximize your profits!

Recognized accuracy
Reliability
Fully automated
Operator-friendly
Turnkey systems



Combining Laser and Electron beam technology increases your productivity! Our multi process machining capability reduces setup costs and makes manufacturing in one process possible.

Become a market leader through intelligent investment. Our accuracy, dependability and next generation technology are recognized world-wide.

Automation Commitment:

Unique state-of-the-art controller technology. Our PC based system centralizes all process parameters and generates your program. Integrated Online CCD camera for visual process control. Our systems features:

- up to 4 axis beam control
- up to 5 axis mechanical motion
- Linear motor technology
- CCD vision system
- Path tracking
- Export version available

Phone PAVAC today (604) 231-0014 or Fax (604) 231-0084, www.pavac.com

LASTRON-150-800-W
LASTRON-200-800-W

Specification

Technical Data

(Data are subject to changes)

Standard Equipment:	Travel		
LASTRON 100 beam	X axis	32"	800mm
FEA designed base	Y axis	22"	550mm
Sound proofed enclosure	Z axis	14"	350mm
AC Linear motors	A axis	360°	360°
Linear encoder X,Y,Z	B axis	180°	180°
LASTRON CNC			
Automatic vacuum system	Beam		
CCD camera	Beam Power	Available from 3kW to 30kW	
Safety interlocks	Voltage range	90 to 150kV or 150 to 200kV	
Chillers for Laser and gun	Beam current	Up to 300mA	
AC for electric enclosures	Beam resolution	0.1 mA	
ISO 14744, ISO 814			
UL / CSA / CE	Feed Rates		
	X-Y-Z	0-400 ipm	0-10 m/min
	A-axis	0-18000 dpm	0-18000 dpm
	B-axis	0-3600 dpm	0-3600 dpm
Options:	Resolution		
Z axis	Linear	0.0001"	0.001 mm
A axis	Rotary	0.0025°	0.0025°
B axis			
High speed pulsing			
High speed vacuum			
Part / material handling	Accuracy and Repeatability		
Extended vision system	(Linear encoder Standard)		
Special rotaries and jigs	Linear accuracy	± 0.0003"	± 7.5 µm
	Linear repeatability	± 0.0002"	± 5.0 µm
	Rotary accuracy		± 0.05 °
	Rotary repeatability		± 0.04 °
	Weight and Dimensions		
	Chamber volume	116 ft ³	3300 liter
	Total weight	24000 lb	10500 Kg
	Overall dimensions	126x63x97"	320x160x245 cm
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