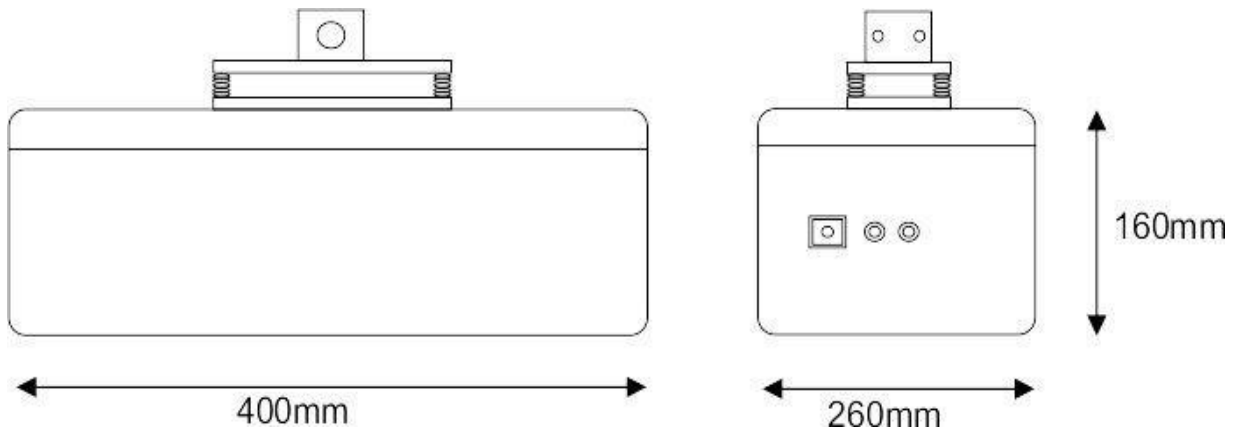




The LSF 13 2DZ Laser Projector is a laser projection device based on a complete galvanometric system of mirrors where a single laser spot is moved at a high speed in all X and Y directions, the movement is so fast that the projected image is perceived by the human eye as a 'still image'. The system is controlled and managed by a microcomputer and a series of cards that drive the laser beam at high resolution. The LSF 13 2DZ laser projector is connected via RJ45 LAN cable to the company network or to a single PC that, via the supplied software, acquires Cad files in PLT, HPGL and DXF format and projects them in 1/1 scale.

The software supplied as standard is used to calibrate the projector on the workbench, setting the X/Y area and the Z quota. In addition to this, it imports the user's PLT and DXF files, converts them and projects them automatically. The software was developed to work autonomously in the background without continuous operator control. The system is able to communicate with PLC using modbus or PLC pulses via UDP/TCP/http protocols.

The work area is dictated by the positioning height of the laser projector with respect to the workbench, the maximum projection angle is 60° therefore at a Z height of one meter the projector will have a working field of 1.3m x 1.3m therefore at 3 meters we will have 4.5x4.5 meters. Auto offset The laser projector has an auto-calibration system on preset offsets on request. In practice, using reflectors fixed on the edges of the workbench, the laser system calibrates itself on the reflectors at each switch-on and returns to its previous position, compensating for movement errors of the shed or workbench.



Technical features

Light source:	Green solid state Laser Diode
Projection type:	Dynamic 60pps
Wavelength (nm):	520nm (green) Projection angle 60°
Power supply:	100/240 Vac – 50/60 Hz.
Accuracy	+/- 1mm
Body:	Painted steel container
Dimensions (mm):	400mm X 280mmx180 mm.
Weight	4.5Kg
Cooling	Ventilation with heatsink
Connection	RJ45 Lan connector with Fixed IP
Operator interface	Remote buttons to select the file to project Work
Environnement PC	Windows/Linux/Ios/Android
Integrated	Support with micrometric adjustment
Protection:	IP 54
Average life at 23°C (hours):	35,000
Operating temperature (°C):	- 15° +45°
Operating temperature with chiller/Heater:	-30° +60°
Optional	

300300222 HIGH PERFORMANCE GALVANOMETER +/- 0.5mm
300300188 INSTALLATION & TRAINING COURSE FOR LASER PROJECTOR
300300903 ALUMINUM PROFILE STAND 90x90mm H. 3500mm FOR ANCHORAGE
300300901 CHILLER
3003004 AUTO OFFSET FOR LSF13 2DZ
300300904 ADDITIONAL LASER FOR LSF13 2DZ
300300181 BARCODE HD + SW
3003003004 POLARIZED LENS FOR LSF 13 2DZ
300300183 PUSHBUTTON PANEL FOR LSF 13 2DZ