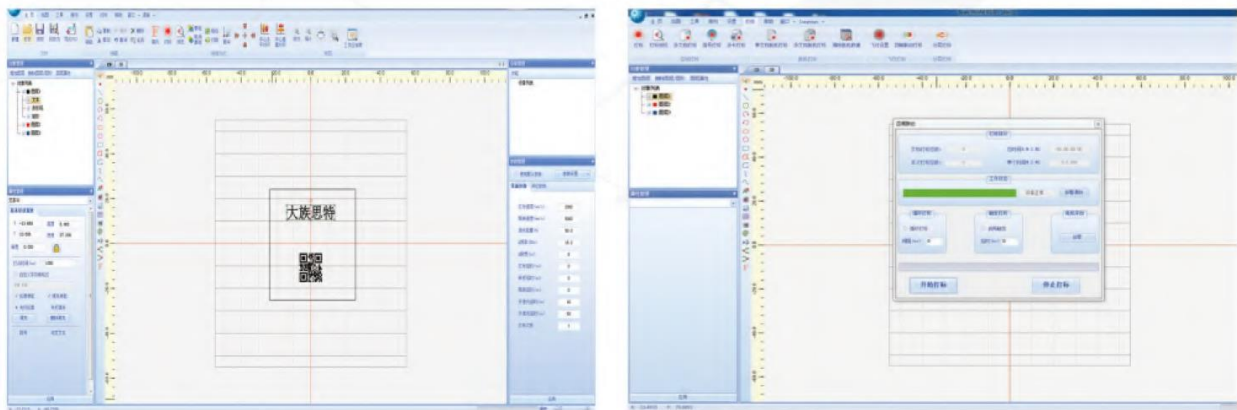# Intelligent integrated scanning system

Features：

- Easy to use without the extra installed control card.
- Simplify cable connection with high reliability.
- Simultaneously real-time control of galvanometer and laser.
- Remotely control in LAN, Support SD card storage and offline marking .

Product composition：

- Laser processing head；
  Adopt dual-core ARM architecture and dominant Frequency 800MHz, equipping with 512MB DDR3 memory and onboard 256 Mbit

- Laser marking software
  High-precision BOX correction function with calibration precision up to 6μm and support 3D focus calibration
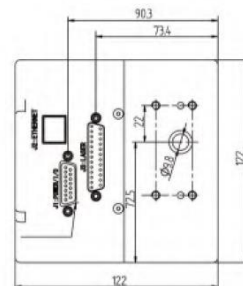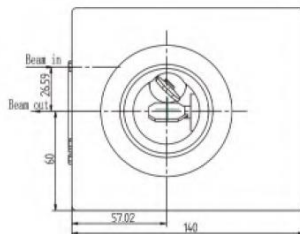

二维界面
2D Interface

Technical Parameters

	HaShuScan 10mm	HaShuScan 14mm
Input Beam Aperture (mm)	10	14
Beam Displacement (mm)	12.54	16.42
Tracking Error (ms)	0.18	0.30
Repeatability (μrad)	＜2	＜2
Offset Drift (μrad/K)	＜15	＜15
Gain Drift (ppm/K)	＜80	＜80
Long-term drift over 8 hours (mrad)	＜0.3	＜0.3
1% of full scale (ms)	0.40	0.65
10% of full scale (ms)	1.20	1.60
Positioning Speed (m/s)	10.0	7.0
Typical Scan Angle (°)	±25	
Gain Error (mrad)	<5	
Zero Offset (mrad)	<5	
Nonlinearity (%)	<0.4	
Power Requirements	±15VDC, ≥3A	
Operation Temperature (℃)	25±10	
Weight (kg)	1.9	2.3

TECHNICAL DRAWING

HaShuScan 10mm

HaShuScan 14mm