



ProMed Laser Marking System

The Standard in Medical Device Marking



MAKE YOUR VALIDATION PROCESS SIMPLE BY STARTING WITH THE BEST

The ProMed Laser Marking System

FQ20 for High Contrast Annealed Marking

Laser boasts 100,000 hours MTBF

Mattison Precision Ground Top Plate

Aerotech X-Y Precision Stage

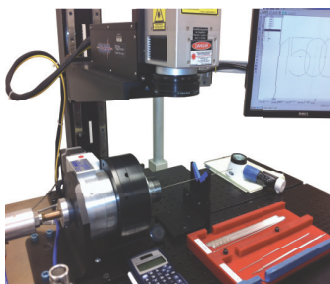
Heavy Duty Steel Weldment Base

Heavy Duty Programmable Z-axis Laser Mounting Post

Optional Rotary Device (Pneumatic 5C version shown)

Optional Vision Locating/Verification

Available as CDRH Class 1 or CDRH Class 4



This is Telesis. This is what we do.

FQ20DS Specifications

F-series/Model 6 System Specifications

Compliance	CDRH, CE
Laser Type.....	Q-switched Ytterbium fiber
Wavelength:	
1060 nanometers (±10 nm)	
Long Term Output Power Drift.....	< ± 5%
Laser Diode MTBF.....	100,000 hours
Power Requirements.....	95 to 250 VAC, 50/60 Hz
System Power (total):	
FQ20DS.....	< 250W
Maximum Supply Voltage	264 VAC
Supply Voltage Fluctuation	< ± 10% with clean ground
Operational Temperature.....	15° to 35°C (59° to 95°F)
Recommended Temperature	20° to 25°C (68° to 77°F)
Ambient Relative Humidity.....	10% to 85% non-condensing
Fiber Optic Cable:	
2.74 m (8.989 ft.)	
Laser Marking Head Cable.....	5 m (16.4 ft.), detachable
Vari-Z Control Cable.....	5 m (16.4 ft.), detachable

Model 6 Laser Controller Specifications

Dimensions (W x H x D)	425.5 x 144.3 x 508.0 mm 16.75 x 5.68 x 20.00 in.
Surrounding Envelope.....	see Model 6 Laser Controller Dimensions drawing
Weight.....	approx. 15 Kg (33 lbs.)
Cooling	air cooled, fan
Electrical Power.....	60W (approximate)
Mounting Weight.....	approx. 6.82 Kg (15 lbs.)
Mounting.....	factory-tapped M6-1.00 holes
Positioning	visible (red) aiming diode
Field Resolution.....	16 bit (65535 data points)
Galvanometer	
Repeatability	< 22 micro radian
Marking Field Size	lens-dependent
100mm lens - 65mm x 65mm/2.56" x 2.56"	
160mm lens - 90mm x 90mm/3.54" x 3.54"	
163mm lens - 110mm x 110mm/4.33" x 4.33"	
254mm lens - 175mm x 175mm/6.89" x 6.89"	
330mm lens - 230mm x 230mm/9.06" x 9.06"	
350mm lens - 250mm x 250mm/9.84" x 9.84"	
420mm lens - 290mm x 290mm/11.42" x 11.42"	

Aerotech X-Y Table

Design Features

Nine models with travels from 50 mm to 600 mm

Speeds up to 300 mm/s

Side seal design with hard-cover

Low-cost; high performance

Long-life linear motion guide bearing system

Part of the Fast Delivery Service (FDS) program.

The hard-cover design provides protection from debris. The robust aluminum cover is hard-coated to provide a scratch-resistant surface.

The side seals keep dirt and particulates out of the stage and protect the bearing surfaces from contamination. The vertical orientation of the seals easily deflects debris away from the stage.

Competitive top-seal designs can collect debris, resulting in the eventual failure and replacement of the sealing mechanism.

The PRO115 is a compact, hard cover, side-sealed stage design. Aerotech's reputation for producing high-quality linear motion devices make the PRO115 an attractive stage for medium-performance applications.



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