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3D Post-Scanning Solution

Digital

This solution includes a 2D galvoscanner system Quantum Series,a dynamic focus unit Proton Series, F-theta lens and a galvo system controller UMC4. It uses the Post-Objective Scanning technology, the working volume is about 150*150*45(with the 210mm F-theta lens). The advantage of this system: marking fast, small focal spot, small loss.

该解决方案包含Quantum 系列二维扫描振镜系统、Proton 动态聚焦单元、F-theta镜头及专用控制软件。使用后聚焦技术，能够实现150mm*150mm*45mm(F-Theta 透镜,f=210mm)工作范围，该系统优点：标记速度快、峰值能量高、聚焦光斑小。

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3D Post-Scanning Solution Specifications

后聚焦3D扫描系统 规格参数

二维扫描振镜请参照 Quantum规格书（2D galvo reference to Quantum datasheet）

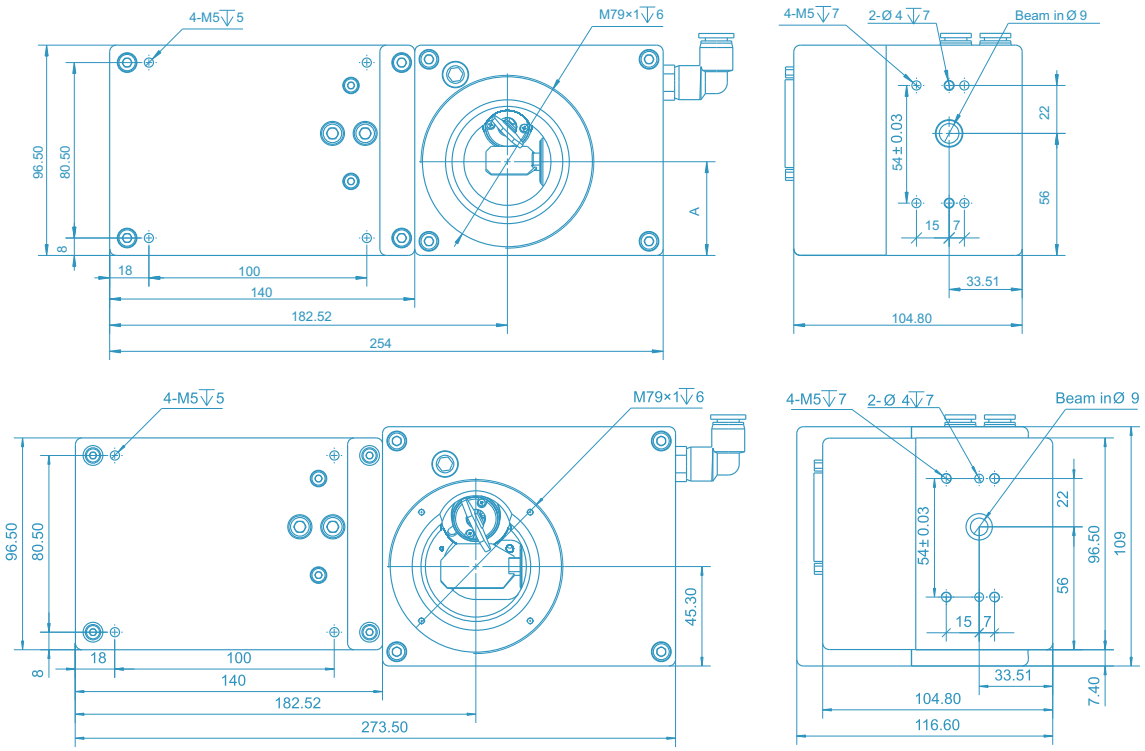
动态聚焦单元规格(Specifications for dynamic focus unit)

激光器类型 Laser type	Nd:YAG			Nd:YAG doubled		
波长 Wavelength	1064nm			532nm		
扩束比 Beam expansion factor	1.67			3		
输入孔径 Input aperture	6mm	7.2mm	8.4mm	3.3mm	4mm	4.6mm
振镜通光孔径 Scan head apertures	10	12	14	10	12	14
Z轴聚焦范围 Focus range in Z-direction	±22.5mm(1)			±2.5mm(2)		
误差追踪时间 Tracking error time	700us			700us		

注:（1）F-Theta 透镜,f=210mm.（with F-Theta objective ,f=210mm)
（2）F-Theta 透镜,f=100mm.（with F-Theta objective ,f=100mm)

1、上述资料如有更改,将不做另行通知。The above information is subject to change without notice. 02/2017
2、以上参数均为理论值。All of the above parameters are theoretical values.

振镜通光孔径	10mm	12mm
尺寸A数值	43	41.5



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