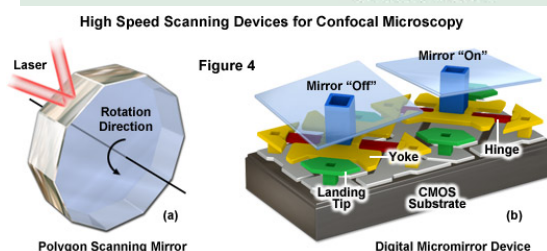
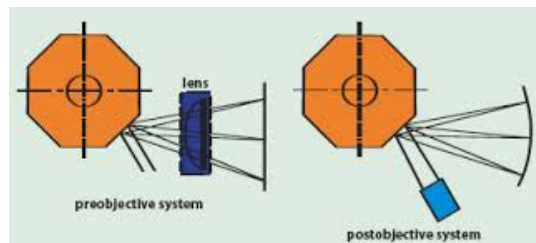


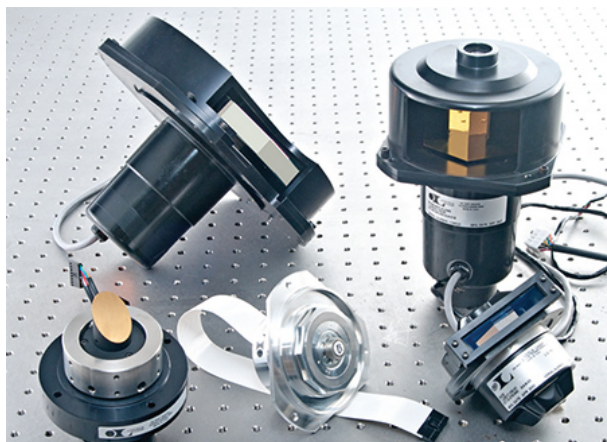
多边扫描镜电机控制器

多面扫描镜(Polygonal Scanners), 可实现大范围、超高速、高精度与高重复性的激光光束扫描。多面扫描镜装置包括电机与多面棱镜, 多面棱镜具有多个反射面, 并安装在电动机的旋转轴上。通过电机的旋转, 多面棱镜可实现高速旋转, 从而实现大角度、高速的光束扫描。

应用领域: 医学成像、薄膜检测、材料加工、激光印刷制版、印刷线路板检测



多面扫描镜电机控制器: 我们可提供模拟与数字电机控制器。我们的电机控制器可工作在预先设定的 4 个工作速度或者 0~55000RPM 速度范围内的任意速度。我们的电机控制器专为多边扫描镜优化设计, 其可通过串口或以太网接口控制。



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	Analog Controllers				Digital Controller
	BMC-3.4	BMC-7	P1(AB)	P1 (BB)	DMC-30012
Control Inputs					
Scanner Enable	Yes	Yes	Yes	Yes	Yes
Speed Reference Frequency	Yes	Yes	Yes	Yes	No (not necessary)
Speed Select	Yes	Yes	No	No	Yes
Supply Voltage (Min/Max) *	15/30V	15/60V	10/26V	10/26V	20/80V
Supply Current (Max) *	4 Amps	9 Amps	2 Amps	2 Amps	15 Amps
Facet Feedback	Yes	Yes	No	No	Yes
Control Outputs					
Motor @sync Signal	Yes	Yes	Yes	No	Yes
Single pulse per rev.	Yes (4 Pole Motor Only)	Yes (4 Pole Motor Only)	No	No	Yes (from encoder)
Drive Type	Current	Current/Voltage	Voltage	"Frequency to Voltage"	Current

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Performance					
Speed Range **	700-55K RPM	300-55K RPM	12K-30K RPM	1K-10K RPM	0-30K RPM
Speed Stability ***	< 0.01%	< 0.01%	< 0.02%	< 1.0%	< 0.03%
Continuous Motor Current (Max)	2.5 Amps	6.0 Amps	1.5 Amps	1.5 Amps	10 Amps
Encoder Compatible	Yes	Yes	No	No	Yes (necessary)

Note:

*Application specific voltage and current are speed and load dependant

**Application specific speed ranges are load dependant

***Application specific stability is speed and load dependant

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