

晶圆预对准器

LPA 系列预对准器

- ▶ 创新、高性能、与**Class 1**兼容
- ▶ 独特的一体化设计消除了外部控制器和互连电缆，同时保持即插即用兼容性
- ▶ 扫描电子设备、运动控制器和电源均包含在行业标准尺寸内
- ▶ 由超低惯性无刷电机驱动，响应平稳、即时
- ▶ 先进的扫描电子设备能够检测透明、半透明和不透明物体，无需在不同尺寸之间进行机械重新定位
- ▶ 与晶圆处理机器人无缝接口，支持从45毫米到480毫米的所有晶圆尺寸，以及相应的方形基板尺寸
- ▶ Logosol控制软件具有全面的命令集，能够与各种半导体平台兼容并接口
- ▶ 快速对准周期时间有助于实现最大系统吞吐量
- ▶ 可作为独立设备或嵌入式设备提供，与晶圆处理机器人配合使用
- ▶ 保持选项包括真空、非真空和边缘处理

Basic Configurations

独立运行, 12"-18" Wafers



嵌入式, 3"-12" Wafers



独立运行, 2"-6" Wafers

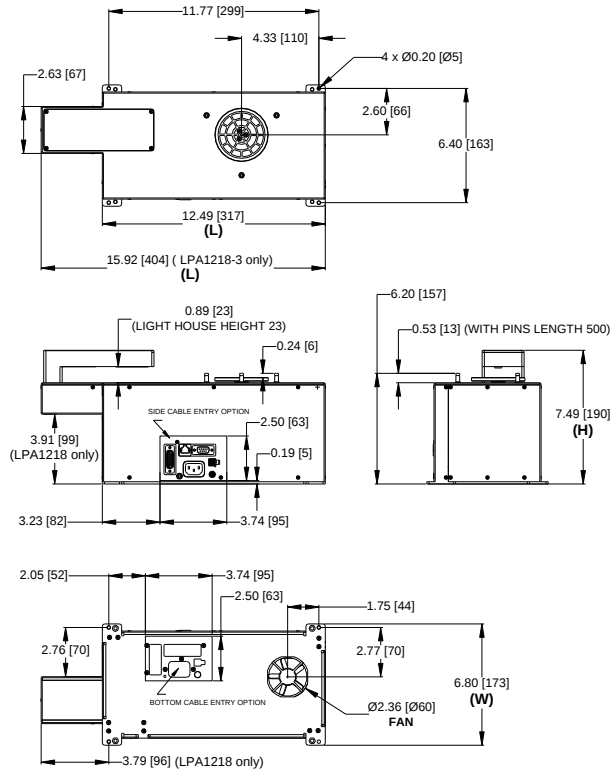


边缘处理, 8" Wafers

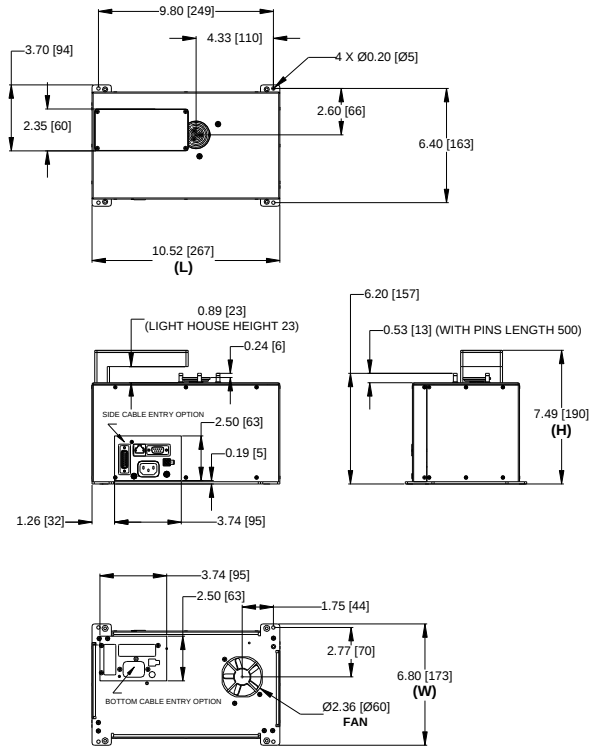


LPA SERIES PREALIGNERS GENERAL DIMENSIONS

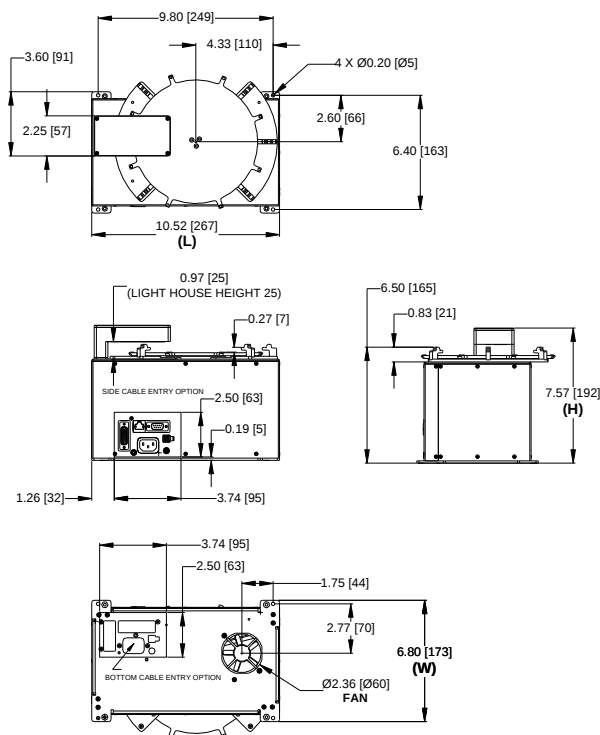
LPA STANDALONE MODELS: 312-3, 812-3, 1218-3 (shown)



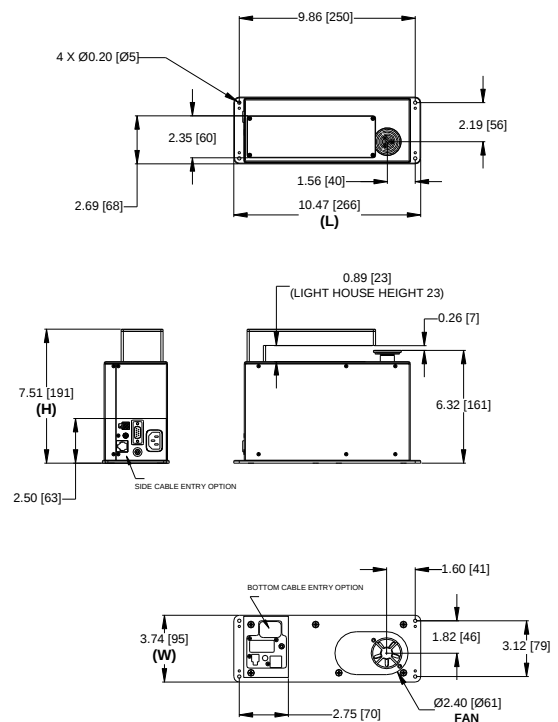
LPA STANDALONE MODELS: 26-3, 38-3 (shown), 58-3



LPA EDGE HANDLING MODELS: 4EH, 5EH, 6EH, 8EH (shown)



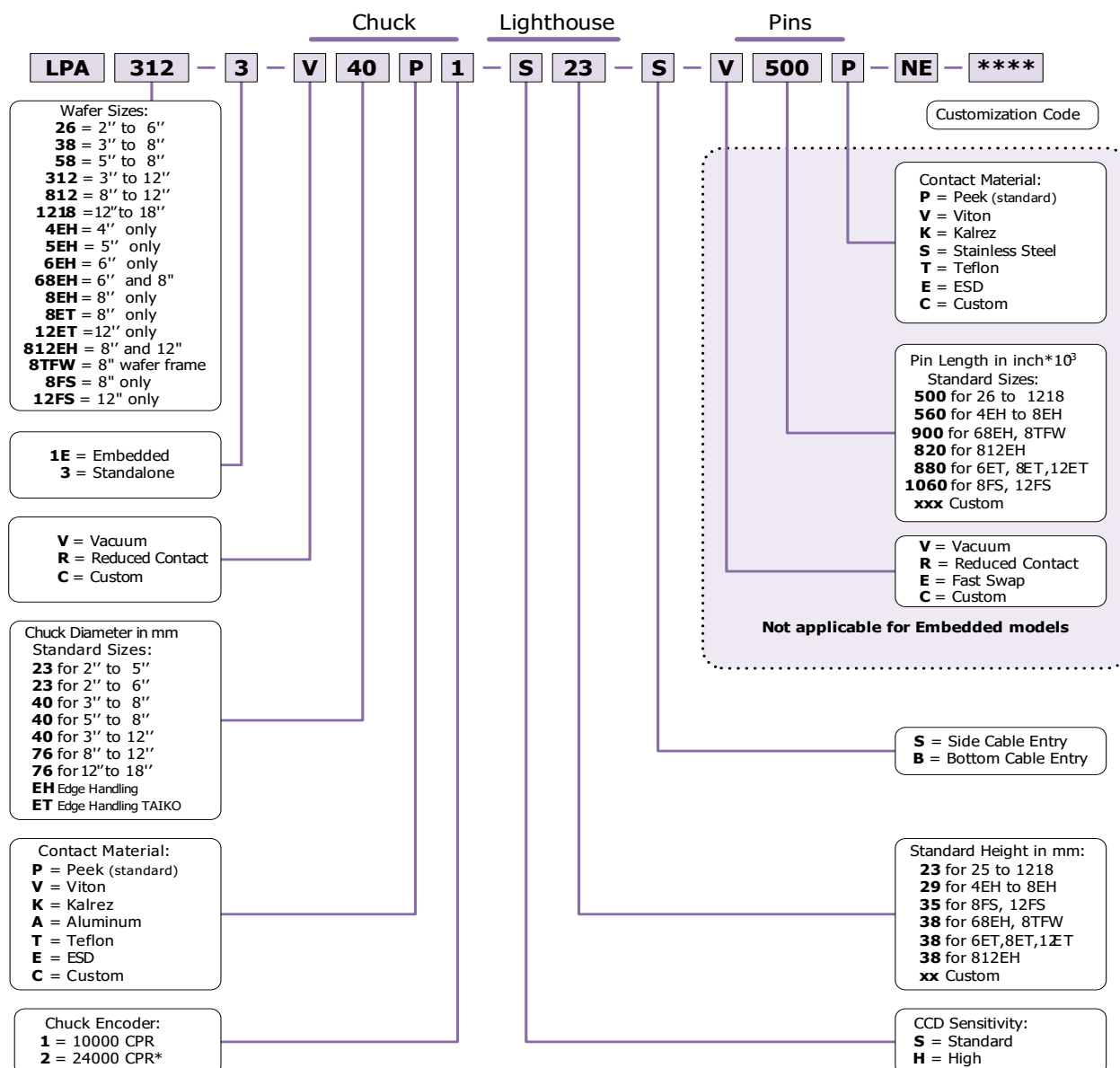
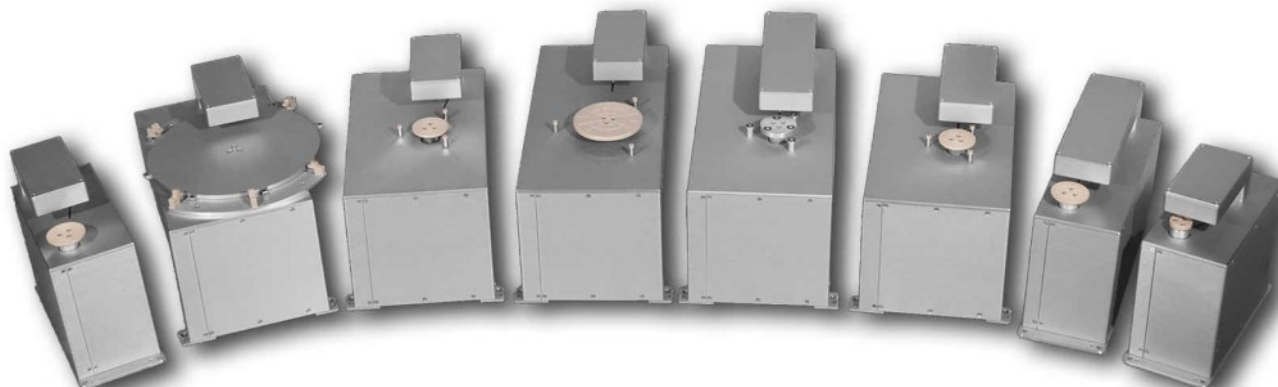
LPA EMBEDDED MODELS: 25-1, 38-1, 58-1, 312-1 (shown), 812-1



LPA SERIES PREALIGNERS SPECIFICATIONS

Specifications		Prealigner Model													
		Standalone						Embedded						Edge Handling	
		26-3	38-3	58-3	312-3	812-3	1218-3	25-1E	38-1E	58-1E	312-1E	812-1E	1218-1E	Type	
Wafer Diameter	2"	✓						✓							
	3"	✓	✓		✓			✓	✓		✓				
	100mm	✓	✓		✓			✓	✓		✓			4EH, 45EH	
	125mm	✓	✓	✓	✓			✓	✓	✓	✓			5EH, 45EH, 56EH	
	150mm	✓	✓	✓	✓				✓	✓	✓			6EH, 56EH	
	200mm		✓	✓	✓	✓			✓	✓	✓	✓		8EH, 8ET	
	300mm				✓	✓	✓				✓	✓	✓	12ET	
	450mm						✓						✓		
Square Substrates		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	N/A	
Angular Accuracy (3 Sigma)	10000 CPR Encoder	0.04°					N/A	0.06°					N/A	0.04°	
	24000 CPR Encoder	0.02°						0.04°						0.02°	
Centering Accuracy (3 Sigma)		25um						50um						25um	
Max Initial Offset		10mm	12mm					9mm	10mm						1.7mm to 2.0mm
Body Dimensions	W	173mm						95mm						173mm	
	L	267mm			317mm		404mm	266mm					328mm	267mm or 317mm	
	H	190mm						191mm						190mm to 206mm	
Weight		5.0kg to 5.7kg						3.4kg to 3.8kg						5.3kg to 6.0kg	
Servo Axes		Three						One						Three	
Handling		Vacuum Chuck and Pins						Vacuum Chuck						Edge Handling	
Facilities Required		100-240VAC, 50/60Hz, 48VA or 24VDC/2A, Vacuum 12" Hg for vacuum retention													
Host Interface		RS232, Ethernet													
Flat/Notch Compatibility		SEMI Standards Compliant													
Wafer Opacity		Transparent, Semi-Transparent, Opaque													
Cleanliness		Class 1													
MTBF		More than 70000 hours													

LPA SERIES PREALIGNERS ORDERING GUIDE



* LPA1218 available with 24000 CPR encoder only