

LAYERTEC 激光反射扫描镜 420-670nm (入射角 0 - 45° 反射率 99.9% 连续激光器件)



描述

扫描镜用于激光材料加工，使激光束在工件上快速灵活地移动。它们的背面通常被磨成片状。由于这种特殊的设计，它们非常薄且轻，以实现方向的快速改变。扫描镜是 LAYERTEC 产品系列的重要组成部分。为此目的开发的层设计提供了高性能稳定性和必要的反射角不变性。尤其是金属基镜与介电层的组合可增加功率激光器的反射率，从而允许在加工区域区域直接成像。

产品特点

能够在回射器本身上集成安装特征和基准点，便于对准，从而带来额外的设计和成本效益、回射光束精度<2 角秒、镀金或镀铝涂层（裸金属或带保护层）

产品型号

100490



核心参数

工作波段	反射率
420-670nm	99.9%

详细参数

扫描镜按型号 9 条

型号	规格	正/背面形状及涂层	涂层参数
Turning Mirror 103512	 $\varnothing =$ 25 mm	Front Side (S2)  plane	Front Side (S2) HRu(22.5°,355nm)>99%
Corning 7980 2F or equal	 $t =$ 6.35 mm	Rear Side (S1)  plane	
Scanning Mirror 100490	 $\varnothing =$ 12.7 mm	Front Side (S2) 	Front Side (S2)  HRs,p(0-45°,420-670nm)>99.9%



Corning 7980 2F or equal	 t = 6.35 mm	plane Rear Side (S1)  plane	
Turning Mirror 168353 Corning 7980 2F or equal	 Ø = 25 mm  t = 6.35 mm	Front Side (S2)  plane Rear Side (S1)  plane	Front Side (S2)  HRs,p(0-45°,420-670nm)>99.9%
Scanning Mirror 111448 Corning 7980 2F	 Ø = 25 mm 	Front Side (S2)  plane	Front Side (S2) HRs,p(0-45°,470-490nm)>99.8%

or equal	t = 6.35 mm	Rear Side (S1)  plane	
Scanning Mirror 100542 Corning 7980 2F or equal	 Ø = 25 mm  t = 6.35 mm	Front Side (S2)  plane Rear Side (S1)  plane	Front Side (S2) HRs,p(0-45°,532nm)>99.9%
Turning Mirror 107010 Corning 7980 2F or equal	 Ø = 12.7 mm  t = 6.35 mm	Front Side (S2)  plane Rear Side (S1) 	Front Side (S2) HRs,p(0-45°,633nm)>99.95% HR(0°,580-745nm)>99.95% HRs,p(45°,545-660nm)>99.95%

		plane	
Scanning Mirror 126680 Corning 7980 2F or equal	 $\varnothing =$ 25 mm  $t =$ 6.35 mm	Front Side (S2)  plane Rear Side (S1)  plane	Front Side (S2)  $HR_{s,p}(22.5-45^\circ, 960-1090nm) > 99.9\%$
Scanning Mirror 112673 Corning 7980 2F or equal	 $\varnothing =$ 12.7 mm  $t =$ 3.05 mm	Front Side (S2)  plane Rear Side (S1)  plane	Front Side (S2)  $HR_u(0-45^\circ, 1064nm) > 99.8\%$

Scanning		Front Side (S2)	
Mirror	$\varnothing =$	plane	Front Side (S2)
100482	12.7 mm		
Corning		Rear Side (S1)	HRu(0-45°, 1064nm) > 99.8%
7980 2F	t =	plane	
or equal	6.35 mm		

扫描镜 按涂层波长共 7 条

类型	波长范围	R(反射率)	入射角	偏振	规格种类
HR	355 nm	> 99 %	22.5°	unpol.	1
HR	420 - 670 nm	> 99.9 %	0 - 45°	s,p-Pol.	2
HR	470 - 490 nm	> 99.8 %	0 - 45°	s,p-Pol.	1
HR	532 nm	> 99.9 %	0 - 45°	s,p-Pol.	1
HR	633 nm	> 99.95 %	0 - 45°	s,p-Pol.	1
HR	580 - 745 nm	> 99.95 %	0°	unpol.	

HR	545 – 660 nm	> 99.95 %	45°	s,p-Pol.	
HR	960 – 1090 nm	> 99.9 %	22.5 – 45°	s,p-Pol.	1
HR	1064 nm	> 99.8 %	0 – 45°	unpol.	2