

3.1.2 User Guide for Choosing the Optimum Beam Profiling System

Laser Wavelength	Power			Minimum Beam Size				
	<100mW	100mW-100W	>100W	<20µm	>20 <50µm	>50µm	>500µm	>1mm
UV-Vis	NS-Si	NS-Pyro		NS-Si/3.5/1.8	NS-Si/9/5	NS-Si/9/5	NS-Si /9/5	NS-Si /9/5
	SP920s	SP920s	NS-Pyro		NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5
	SP920G	SP920G				SP920G	SP920G	SP920G
	LT665	LT665	SP920s			SP920s	SP920s	SP920s
		LT665			LT665	LT665	LT665	LT665
NIR 1000-1100nm	NS-Ge	NS-Pyro	BW	NS-Ge/3.5/1.8	NS-Ge/9/5	NS-Ge/9/5	NS-Ge/9/5	NS-Ge/9/5
	SP920s	SP920s	NS-Pyro		NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5
	LT665	LT665	SP920s			SP920s	SP920s/SP907	
Industrial & Additive Fiber	BC	BC	BC, BW		BC	BC, BW	BC, BW	BC
	Pyrocam	Pyrocam						Pyrocam
CO2	NS-Ge	NS-Pyro		NS-Ge/3.5/1.8	NS-Ge/9/5	NS-Ge/9/5	NS-Ge/9/5	NS-Ge/9/5
			NS-Pyro		NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5
Telecom and Eye-Safe 1100-1800nm						SP1203	SP1203	SP1203
						SP1201	SP1201	SP1201
						XEVA	XEVA	XEVA
	Pyrocam	Pyrocam	Pyrocam				Pyrocam	Pyrocam
1500-1600nm	NS-Ge	NS-Ge	NS-Ge	NS-Ge/3.5/1.8	NS-Ge/9/5	NS-Ge/9/5	Pyrocam	NS-Ge/9/5
							SP1203	SP928-1550
							SP1201	SP1203
	SP928-1550	SP928-1550	SP928-1550			SP928-1550	XEVA	SP1201
	LT665-1550	LT665-1550	LT665-1550			LT665-1550	SP928-1550	XEVA
						LT665-1550	LT665-1550	LT665-1550
	Pyrocam	NS-Pyro		Pyrocam w/ Beam Expansion	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5
MIR & FIR		Pyrocam	NS-Pyro		NS-Pyro/9/5-MIR	NS-Pyro/9/5-MIR	NS-Pyro/9/5-MIR	NS-Pyro/9/5-MIP
			Pyrocam				Pyrocam	Pyrocam

Abbreviations:

FIR	Far Infrared	NIR	Near Infrared	BC	BeamCheck
Ge	Germanium	Si	Silicon	BW	BeamWatch
HP	High Power	SP	Indicates camera profiler		
MIR	Mid-Infrared	NS	NanoScan		
UV-Vis	Ultraviolet - Visible				

Laser Wavelength	Minimum Beam Size	CW or Pulsed			Customer Priority						
		>5mm	>10mm	CW	Pulsed <1kHz	Pulsed >1kHz	Cost	2D/3D	No optics	Speed	Ease of use
UV-Vis	Pyrocam	NS-Pyro			Pyrocam w/ Beam Expansion	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS-Pyro/9/5	NS	NS
		Pyrocam	NS-Pyro					Pyrocam	Pyrocam		
			Pyrocam								
			NS	SP920s	SP920s	SP920s	SP920s	SP920s	NS	NS	NS
NIR 1000-1100nm	BW		SP920s	LT665	NS			LT665	BW		
	LT665	L11059	LT665		LT665						
		LT665	BW								
Industrial & Additive Fiber	Pyrocam	Pyrocam	Pyrocam	Pyrocam	Pyrocam	NS/Pyrocam	Pyrocam	NS/Pyrocam	Pyrocam	Pyrocam	Pyrocam
	CO2							NS/Pyrocam			
					SP1203	SP1203		SP1203			
					SP1201	SP1201		SP1201			
Telecom and Eye-Safe 1100-1800nm			NS	XEVA	XEVA	NS	XEVA	NS	NS	NS	NS
					NS		Pyrocam				
	Pyrocam										
1500-1600nm						NS					
						SP1203	SP1203	SP1203			
						SP1201	SP1201	SP1201			
	SP928-1550	LT665-1550	XEVA	XEVA	XEVA	SP928-1550	SP928-1550	NS	NS	NS	
	LT665-1550			LT665-1550	LT665-1550		LT665-1550				
			NS	Pyrocam	NS	NS	Pyrocam	NS	NS	NS	
MIR & FIR	Pyrocam		Pyrocam		Pyrocam						

Abbreviations:

FIR	Far Infrared	NIR	Near Infrared	BC	BeamCheck
Ge	Germanium	Si	Silicon	BW	BeamWatch
HP	High Power	SP	Indicates camera profiler		
MIR	Mid-Infrared	NS	NanoScan		
UV-Vis	Ultraviolet - Visible				