














		SOPAT	RM	SONAR	IVM	3D PC	SFV
		Smart Online Particle Analysis Tool	Reflectance Measurement	Sound Navigation and Ranging	Inline Video Microscopy	3D Particle Characterization	Spatial Filter Velocimetry
Detects Solid Particles		✓	✓	✓	only with manual image analysis	✓	✓
Detailed detection of Droplets, Bubbles		✓	✗	✗	✗	✗	✗
Differentiates between Different Particle Types		✓	✗	✗	only with manual image analysis	✗	✗
Inline Analysis		✓	✓	✓	✓	✓	✓
Online Analysis		✓	✓	✓	✗	✗	✗
Requires No Additional Calibration		✓	✗	✗	✓	✓	✗
Works at Very Low Dispersed phase Fractions		✓	✓	✓	✓	✓	✓
Works at Very High Dispersed phase Fractions		✓	✓	✗	✓	✓	✓
Automated Cleaning		✓	✗	✗	✗	✗	✗
Pressure Limit		320bar	200bar	40bar	150bar	✗	4bar
Temperature Range		-50°C – 450°C	-80°C – 150°C	0°C – 120°C	-90°C – 110°C	✗	-20°C – 100°C
Measurement Range		0.5 – 30,000 μm	0.5 – 2,000 μm	0.01 – 3,000 μm	2 – 1,000 μm	50 – 3,000 μm	50 – 6,000 μm
ATEX		✓	✗	✗	✗	✗	✓