

• Stage Line Comparison •



SPECIFICATIONS	ProScan™III Linear Motor Series	ProScan™III Series	OptiScan™III Series
STAGE TRAVEL RANGE	120mm x 80mm	120mm x 75mm to 300 x 300mm	125mm x 75mm
STAGE SPEED X,Y	Up to 300mm/second	Up to 100mm/second	8mm/second
RESOLUTION X,Y	0.05µm	Up to 0.01µm	1µm
RESOLUTION Z	Up to 0.002µm	Up to 0.002µm	0.1µm
REPEATABILITY X,Y	0.15µm	Up to 0.2µm	5 to 7µm
LINEAR SCALES OR ENCODERS	Yes. X, Y, and Z (optional)	Yes. X, Y, and Z (optional)	Yes, as option on ES10ZE focus only systems
OPTION FOR UP TO SIX FILTER WHEELS	Yes	Yes	No filter wheel or shutter control
FILTER WHEEL SPEED	55ms between adjacent positions	55ms between adjacent positions	Not applicable
FOR OPTION UP TO SIX SHUTTERS	Yes	Yes	Not applicable
RS232/USB CONTROL	Yes (baud rates from 9600 to 115200) USB is compatible with Windows 10	Yes (baud rates from 9600 to 115200) USB is compatible with Windows 10	Yes (baud rates from 9600 to 115200) USB is compatible with Windows 10
SAMPLE HOLDERS	All standard holders available. Custom designs are available upon request.	All standard holders available. Custom designs are available upon request.	All standard holders available. Custom designs are available upon request.
TTL I/O	Yes	Yes	No
UPDATEABLE FIRMWARE	Yes - can be updated in field	Yes - can be updated in field	Yes - can be updated in field
APPLICATIONS	<ul style="list-style-type: none"> • Constant velocity scanning • Imaging applications, including image tiling, time lapse studies and precision scanning • Industrial & semiconductor inspection • Measurement • High speed filter wheel • High-throughput screening 	<ul style="list-style-type: none"> • Imaging applications, including image tiling, time lapse studies and precision scanning • Industrial & semiconductor inspection • Measurement • Hardness testers • High speed filter wheel • High-throughput screening 	<ul style="list-style-type: none"> • Imaging application where high XY accuracy is not required • Fluorescent image data acquisition • Slide scanning • Petri dish analysis • Metallurgical analysis • Z-only (focus) applications including stereology