



STANDARD FEATURES

Option	Laser Processing Shields for Integrated XY Stage
Stage	All "AI-LM-(TRAVEL)-XY-LP" Stages See Standard XY Datasheet for Stage Dimensions, Mounting, and Specifications
XY Travel	50mm to 400mm
Seals	Sealed for Dry or Wet Particulate Debris Sealed for all non-Caustic Fluids and Moisture Sealed for Micron and Sub-Micron Particulates When Pneumatic Positive Pressure is Applied
Assembly	Standard Stage is Mounted to Customer Base and Shield Assembly Mounts Down Over Top of Stage
User Interface	Custom User Mounting Patterns Available
Structure	Anodized Aluminum 6061-T6
Environment	Standard
Temperature	0°C to 50°C
Humidity	0% to 100% Non-Condensing
Precision	6-D Nano Precision™ Test Methods

TRAVEL	HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M
50	110	90	338	270	90	100	-	-	75	50	25	M6	M5	M4
100	110	90	514	402	134	100	-	-	75	50	25	M6	M5	M4
150	110	90	664	502	134	100	-	-	75	50	25	M6	M5	M4
200	120	100	874	662	194	100	125	150	75	50	25	M6	M5	M4
250	145	125	1024	762	194	100	125	150	75	50	25	M6	M5	M4
300	145	125	1174	862	194	100	125	150	75	50	25	M6	M5	M4
400	155	135	1474	1062	194	100	125	150	75	50	25	M6	M5	M4

* All units millimeters unless otherwise noted.
* All hole patterns centered on M5 dowel pin hole at center of stage.

ALIO INDUSTRIES PROPRIETARY INFORMATION
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DRAWN	5/12/2012	TITLE
NBROWN		
CHECKED		
Tolerances: Surface Roughness: x.x ± .05 in [1.3 mm] x.xx ± .01 in [0.25 mm] x.xxx ± .005 in [0.13 mm] Angles ± 0.5°		
MATERIAL B		
SIZE	DWG NO	REV
B	0010-08000	002
FINISH	SCALE	ALIO STD TEMPLATE - REV 006
SEE NOTES	2	1 OF 1

AI-LM-(TRAVEL)00-XY-LP

NOTE: MODEL AI-LM-10000-XY-LP SHOWN.