

DESCRIPTION

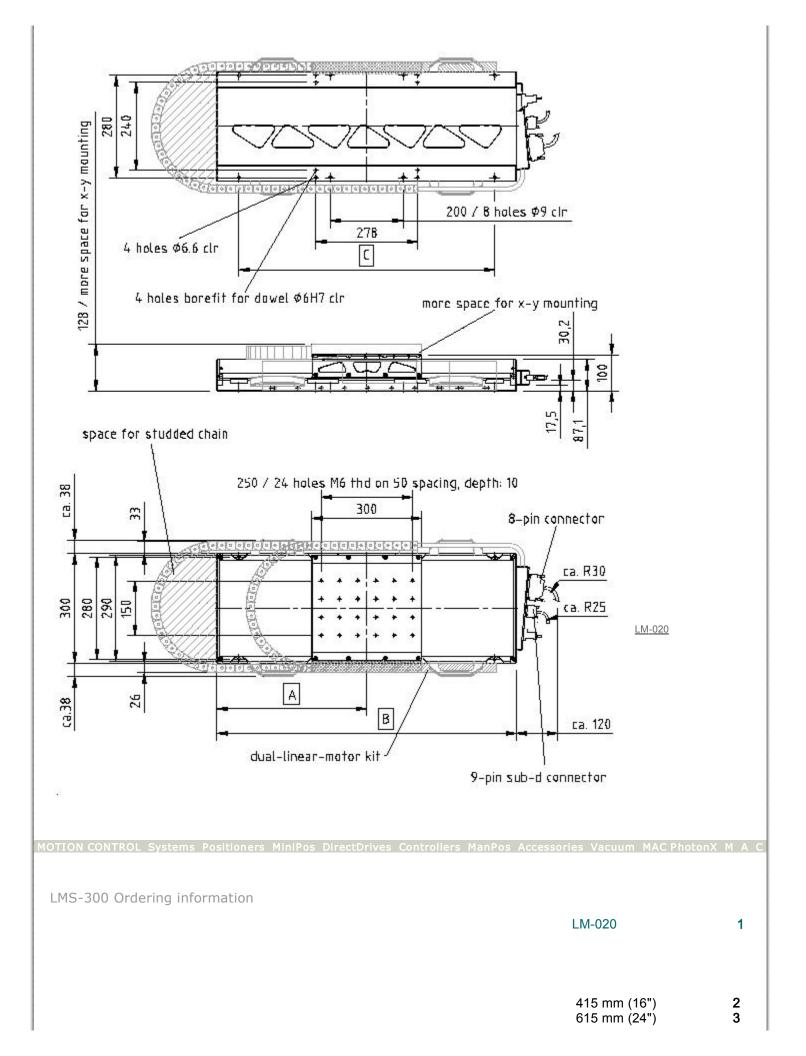
Linear Stages of the structural series **LMS-300** and LMS-180 are mainly employed for modern electronic production and laser application. Combined with direct-driven Rotation Stages UPR of MICOS, high dynamic precise positioning systems can be configured resulting in an efficient production. Linear Stages LMS-300 and LMS-180 are driven by linear motors without iron. They are controlled

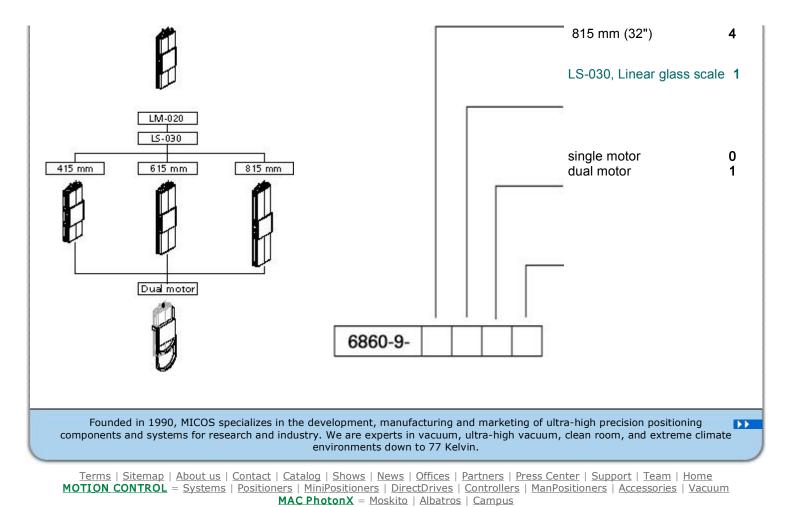
With this, a higher system accuracy can be achieved. Especially significant is a very quiet and dynamic smooth movement. Optionally the Linear Stage LMS-300 can be equipped with a second linear motor resulting in higher speeds, high dynamic processing and more power. All Linear Stages of the structural series LMS are equipped with inductive travel-limit switch and protection against by closed loop modus. The linear measuring system with very high accuracy is installed between the guides.

damage.

Technical data

Travel Range (mm)			415		815	
Bi-directional Repeatability (µm)	+/-		- 0.2			
Accuracy per 100 mm (µm)			/- 1			
Velocity Range (mm/sec)		0.001 800				
Straightness / Flatness (µm)		+/- 5		+/- 6	+/- 8	
itch (µrad)		+/- 100		+/- 110	+/- 120	
v (µrad)		+/- 120				
Speed max. (mm/sec)						
<u>_M-020</u>		800				
Resolution Closed-Loop (µm)						
LS-030, Linear glass scale (25-times interpolation)		0.08				
Reference mark	cente		nter			
Winding Constant						
Force constant (Nm/Ams)	constant (Nm/Ams)		25.1			
Back EMF constant, peak value V/(m/s)*		20.5				
Electrical resistance at 80° (Ohm)*		3.77				
lectrical inductance (mH)*		1.15				
ontinuous current at 80° (Ams)		4.3				
Material			Special Aluminium, black anodized			
Weight (kg)	3		8.7	58	75	
Note: * Terminal to terminal						
TION CONTROL Systems Positioners MiniPos DirectDrives Cor	ntrollers	ManPos .	Accessories	Vacuum MAC	PhotonX M	
MS-300 Base & Motors	Fravel r	anges	A (mm)	B (mm)	C (mm)	
Download PDF 615 r 815 r				820	700	
				1020	900	
		nm	610	1220	1100	





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