

Materials List for:

Experimental Methods for Investigation of Shape Memory Based Elastocaloric Cooling Processes and Model Validation

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Materials

Name	Company	Catalog Number	Comments
Linear direct drives	ESR-Pollmeier	ML 1418-U5-W1	SMA loading/unloading; heat transfer
Pneumatic cylinder	Festo	ADNGF-40 574031	Contact between heat source/sink and SMA
Inductive position measurement system	AMO	LMKA-1101.1NN-1.0-0	
Tension and compression load cell	Futek	LCF451; FSH02241	SMA force
Compression load cell	Futek	LTH300; FSH00297	Contact force
IR camera	Infra Tec	Image IR 9360; M91129	1,280 x 1,024 pixels; Maximum frame rate 3,200 Hz
Real-Time Controller	National Instruments	NI CompactRIO-9074	Data acquisition and control system
Camera varnish	Tetenal	105202	