

Kyntronics Electro-Mechanical Actuators: Powerful, Compact Systems for OEMs and Multi-Axis Coordinated Motion Applications

Kyntronics Electro-Mechanical Actuators (EMA) are precision motion control devices for force requirements up to 1,000 lbf (4500N) for linear applications or 2,400 in-lbs (270Nm) for rotary applications. Setup is simple with fully integrated electronics. Our EMAs seamlessly drop in to existing applications, or work with one of Kyntronics' engineers to customize an actuator for your needs.

Customize Kyntronics EMA Systems

Kyntronics' engineers act as an extension of your design team, consulting with you from product development phase or assisting with retrofits to include EMA or EHA systems. Differentiate your product and achieve an integrated solution with Kyntronics. We provide:

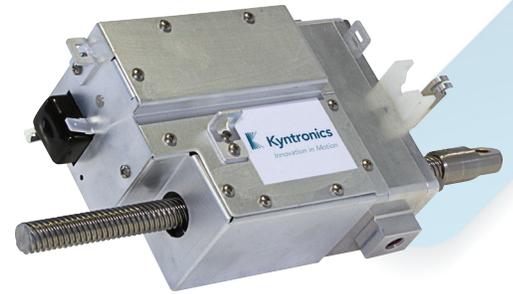
- Mechanical interfaces
- Control interfaces
- Special packaging
- Software features



Kyntronics EMA Features

Kyntronics EMAs power the motion behind advanced knee replacement therapy, premium aircraft seating, medical imaging equipment and other sophisticated applications.

- Brushless servo motors
- Accurate positioning up to 0.001inches (0.03mm)
- Coordinated motion between multiple actuators (up to 32 axis)
- Communications-over-power (2-wire network)
- Patented auto-addressing and auto-calibration
- Manual release
- Brake for holding position
- Electronic I/O interfaces: discrete I/O, analog I/O, serial communication, communication buses



Electro-Mechanical Actuators: Linear Specifications

Model Series	Available Strokes		Max Cont. Force		Max Speed	
	in	mm	Lbf	N	in/sec	mm/sec
EMA0040-L	up to 18	up to 460	40	180	1.5	38
EMA0250-L	up to 18	up to 460	250	1112	1.5	38
EMA0500-L	up to 18	up to 460	500	2224	1.5	38
EMA0800-L	up to 18	up to 460	800	3558	1.5	38
EMA1200-L	up to 18	up to 460	1200	5338	1.5	38

Electro-Mechanical Actuators: Rotary Specifications

Model Series	Max Cont. Force		Max Speed
	in-lbs	Nm	RPM
EMA0005-R	5.2	0.6	75
EMA0075-R	75	8.5	50
EMA0180-R	180	20	20
EMA0500-R	500	56	20
EMA1300-R	1300	147	9
EMA2400-R	2400	272	3



Contact Kyntronics for any of your custom needs