



NEW

HyCore Actuator

COST-EFFECTIVE, STREAMLINED HYBRID ACTUATOR

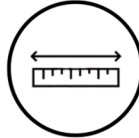
Designed to deliver precision motion with a low cost-to-force ratio in a compact, self-contained package.



**Starting
at
\$2,500***



CYCLE SPEED
Up to 3.54 IN/S
(89.92 mm/S)



STROKE LENGTH
Up to 22 IN
(558.8 mm)



***FORCE**
Up to 14,726 Lbs.
(65.50 kN)



Low Entry Price Point



Energy-Efficient with Power-on-Demand



Shock-Load Tolerant; Rugged Construction



Minimal Maintenance; Easy Field Service



Compact Design, Reduced Weight & Footprint



Servo-Controlled



All-Electric



Self-Contained Design



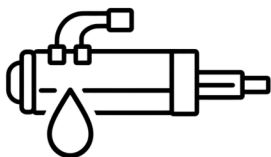
Easy Machine Integration



Total Solution Option Available

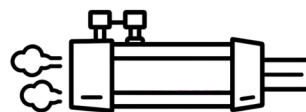
Ideal for OEM, Automation and Mobile Equipment Applications.

ALTERNATIVE to HYDRAULIC CYLINDERS



Eliminates leak risk and fluid disposal, simplifies installation, and is more energy efficient.

ALTERNATIVE to PNEUMATIC ACTUATORS



Provides precise motion control, reduces energy use, and lowers operating costs.

ALTERNATIVE to SCREW-TYPE EMAs



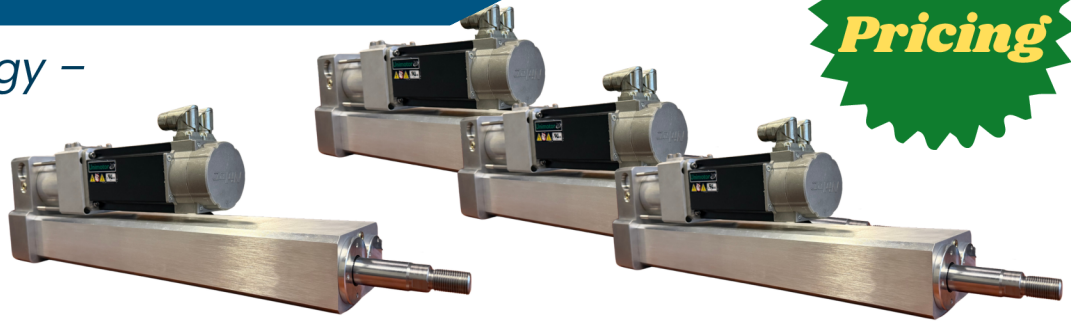
Eliminates metal-to-metal component wear and reduces failure risk from shock loading.



HyCore Actuator

OEM Pricing

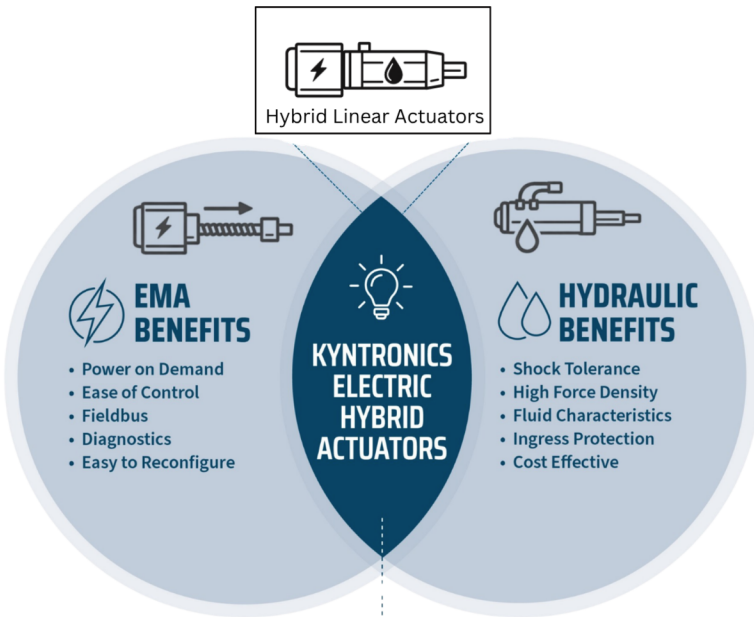
Core hybrid technology – streamlined



Scan to Learn More About the HyCore Actuator

HYBRID TECHNOLOGY BENEFITS

Kyntronics' hybrid actuator design combines the benefits of both screw-type actuators (EMAs) and hydraulic cylinders while eliminating their shortcomings.



HYBRID ACTUATORS ELIMINATE

EMA SHORTCOMINGS

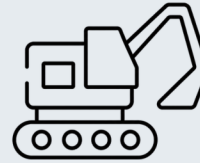
- Side Loading
- Shock Loading
- Limited Life
- Metal to Metal Wear
- Ingress Protection
- Limited Force & Stroke

HYDRAULIC SHORTCOMINGS

- Leaks / High Maintenance
- Network Integration
- High Energy Consumption
- Difficult to Reconfigure
- Control Challenges
- Noisy

TYPICAL APPLICATIONS

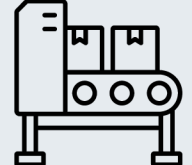
Mobile Equipment



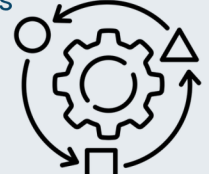
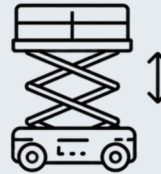
AGVs & ARMS



PACKAGING

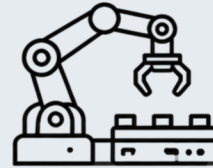


Lifting and Positioning Systems



Assembly Automation

Material Handling



... and many more

Product Specifications

Model	Rod Diameter in (mm)	Max Extend Load Lbf (kN)	Max Retract Load Lbf (kN)	Max Extend Speed in/s (mm/s)	Max Retract Speed in/s (mm/s)	Max Stroke in (mm)
HCA15	1 (25.40)	5,301 (23.58)	2,945 (13.10)	3.54 (89.92)	6.38 (162.05)	22 (558.8)
HCA20	1 (25.40)	9,425 (41.92)	7,069 (31.44)	1.99 (50.55)	2.66 (67.56)	22 (558.8)
HCA25	1.375 (34.93)	14,726 (65.50)	10,272 (45.69)	1.28 (32.51)	1.83 (46.48)	22 (558.8)

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