



## S-Series SMART Electro-Hydraulic Actuators

The Modular SHA provides a Multitude of Flexible Configurations to Fit Your Application!



Parallel Standard



Parallel with Spacer Block



In-line



90° Behind Power Unit



90° Centered

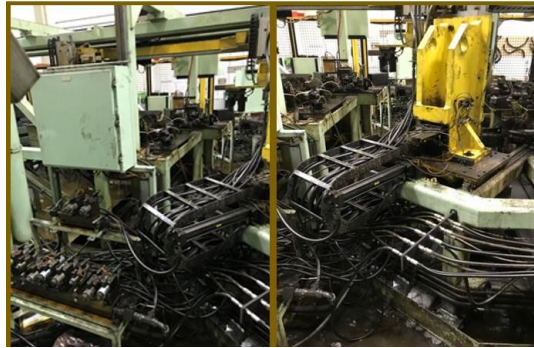


Parallel Inverted

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855.596.8765

## Eliminate Hydraulic Power Units and Improve Machine Performance

Replace this mess . . .



with the Kyntronics SHA.

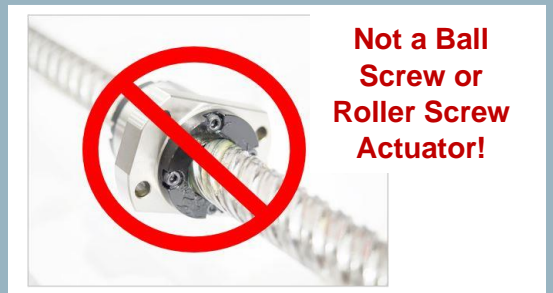


### SHA Advantages vs. Traditional Hydraulics...

- All-In-One Solution: motor, pump, control, totally sealed cylinder
- Self-Contained; no hoses, no leaks, clean, & quiet
- Minimal fluid... only 14 oz in a 10,000 Lbf, 8" stroke actuator
- Only Consumes Power on Demand
- Saves space... eliminates the HPU and related components
- Precisely Control Position, Force and Speed and Synchronize Multiple Actuators with Ease
- Unaffected by Shock Loads or Concentrated Loading; unlike electro-mechanical actuators
- Minimal Maintenance; no fluid to replenish, no filters or hoses to replace

### SMART Electro-Hydraulic Actuator (SHA)... A Modular All-In-One Actuation System

- Up to 170,000 lb. (755 kN) of Force
- Up to 45 in/sec (1,158 mm/sec)
- Up to 120" stroke length (3,048 mm)
- 120, 240, 480 Vac, 24, 48 Vdc Options
- Up to IP68 Rated



**Not a Ball Screw or Roller Screw Actuator!**



## Hundreds of SHAs Successfully Operating on Various Applications and in Diverse Industries

### S-Series SMART Electro-Hydraulic Actuators

Realize Many Benefits with the Kyntronics SHA by Eliminating Traditional Hydraulics:

- Better Process Control, Improved Quality
- Free-up Valuable Space
- Less Wear and Tear on the Machine
- Reduced Maintenance
- A Cleaner and more Ergonomic Working Environment
- Lower Cost of Ownership
- Significant Energy Savings
- Lower Cost vs. EMAs at Higher Force Ranges



Roll Handling:  
2-Axis Synchronized



Synchronized Presses;  
Single-Axis & Multi-Axis



Clamping /  
Positioning



Material Handling -  
Autonomous Forklift



Forestry / Lumber:  
Machine Positioning,  
Fence Guides



Bending & Piercing



Packaging -  
Die Cutting



The Kyntronics SHA –  
Fusing the Power of Hydraulics with the Precision of Servo Control