

For advanced material handling solutions with strict demands on **safety**, **ergonomics** and **precision**.

SAPELEM ZE SOLUTION™

Electric wire balancer

The electric lifting manipulator ZE Solution™ from Sapelem is a recommended choice for handling operations with a need for the integration of extensive technical features in the controller.

The actuator is fully equipped with safety features and technology for precise adaptation to the customer's handling. All programming and customization are conducted easily and intuitively via the operating system's menu system – no external laptop or reprogramming device is needed!



↑
Up to **2** m/s!



PRODUCT FEATURES

- For intelligent lifting of **up to 300 kg**
- Precise **electrical load balancing** for maximum precision
- Full **safety functionality** with integrated brake
- Pre-setting of different **operator settings**
- **Reactive and fast** servo motor operation (up to 2 m/s)
- Durable and easy-to-handle **lifting wire** for easy and ergonomic lifting
- **Smart actuator** for optimal adaptation to every lifting operation
- Optional **quick coupling** and **360° swivel** unit
- **Load cell** as an option for electrical balancing of varying loads



General data

Max. load	[kg]	0-300
Max. arm length ZE Arm™	[mm]	4700
Acceleration	[g]	0-1
Lifting speed	[m/s]	0-2
Rotation	[°]	360

* Option



MATERIAL HANDLING WITH SAPELEM ZE SOLUTION™

Sapelem ZE Solution™ is a lifting solution complements Movomech's wide product range and is a recommended choice for handling operations with a need for the integration of extensive technical features in the controller.

Electrically controlled lifting with servomotor

ZE Solution™ is available in a pillar-mounted version, ZE Arm™, with a light and strong rotating folding arm, and also as a standalone unit ELS™, for installation in an overhead crane system for unrestricted movement over large work areas.

Common to both versions is the combination of a strong and flexible lifting wire and an electrical lifting function controlled by an intelligent ZE Joystick™ actuator with built-in display.

In combination with end effector

The actuator is fitted with a custom end effector for professional and ergonomic lifting operations, typically in the form of a pneumatic gripper tool or a vacuum yoke with which the actuator's additional functionality is seamlessly integrated.