

MOTION CONTROL SYSTEM (MCS)

Power Team® Synchronized Lifting and Lowering System

The Power Team® Motion Controller System provides positional control of a load in motion where load position is critical by means of cylinder synchronization.

Typical moving and weighting applications:

- Bridges
- Oil rig platforms
- Steel buildings
- Vessels & heat exchangers
- Stadium roofs
- Ships



FEATURES:

- Load Capacity: limited by cylinders (use with single or double acting cylinders).
- Intuitive graphic, touch screen control.
- Basic systems start at 4 or 8 Jacking Points.
- Safety features include: Full stop due to power failure, sensor failure, pressure overload, tolerance error, uncontrolled load movement, etc.
- Displayed information includes; startup diagnostics, position of lift points relative to starting position, pressure at each lift point, Status of each cylinder, and status of alarms.
- Lifting / lowering accuracy of +/- 1 mm (0.040 in.).
- Operating Pressure (up to) 10,000 psi.
- Standard system has a 40 gallon tank.



Every MCS includes one day of on-site training at one of SPX's Regional Headquarters (Rockford, IL USA or Singapore or the Netherlands). Training includes both classroom and hands-on instruction. Travel & lodging not included.

Hardware Included



Crate

Motion Control System (MCS) is protected with a robust cage and reusable shipping container.



Sensors

Linear Displacement Sensors have a range of 19.7 in (500 mm). (2 cases with 4 sensors each).



Cables

Cables for sensors are 100 ft (30.5 m) in length, eight sets and a hard plastic case.



Plug

Electrical plug female connector allows for quick attachment to your line cord.

Ordering Information

Order No.	Max Lift Points	Pump Flow	Reservoir Size gal (L)	Motor Voltage hp (VAC)	Control Voltage VDC	Max Pressure psi (bar)	Valves Included	Transducers Included	Weight w/oil lb (kg)
MCS-PE554-8	8	55 in ³ / min @10,000 psi (0.9 L/min @ 700 bar)	40 (150)	1.125 (230)	24	10,000 (700)	3P-4W and 2P-2W	Pressure and Linear Position	1700 (771)

