

BPM Powerful

Pneumatic Rigid Arm Manipulator



BPM Powerful Rigid Arm Manipulators are designed for **stable and controlled transport of loads under weightless conditions**. They are especially characterized by the **safe handling of off-set loads and vibration-free operation**.

Maximum Safety – Brake and safety systems compliant with CE standards

Off-Set Load Handling – Stable balance with asymmetrical load distribution

Vibration-Free Transport – Smooth, shock- and vibration-free movement

Weightless Operation – Nearly zero operator effort thanks to pneumatic balancing

Precise Positioning – Micro-adjustments and full control in all directions

Drift Control – Special brakes ensure secure stopping

Flexible Mounting – Floor, ceiling, or rail-mounted configurations available

Gripper Options – Standard hooks or customized gripping tools

Operates with dry, filtered (40µm), oil-free compressed air at min. 0.7/0.8 MPa

Max. load capacity: **750 kg**, max. working radius: **4.500 mm**, vertical stroke: **2.450 mm**

Air consumption per cycle: **100–400 NI**

Mounting Options

Powerful Column Mounted **PY**



Powerful Overhead Mounted **PT**



Powerful Overhead Rail-Mounted **PTA**





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