

Magnetic Palletiser

At A Glance

- ✓ Rare earth neodymium iron boron
- ✓ Standard and custom sizes available
- ✓ Pneumatically switched permanent magnet
- ✓ Can lift thin-walled magnetic materials

The Magnetic Palletiser; alternatively known as a "Depalletiser"; can lift layers of tinned/jarred products or other thin-walled magnetic materials. The Palletiser / Depalletiser uses high strength Neodymium magnets to lift and place products.

If a product is shrink wrapped and boxed the magnetic palletiser can even pick and place two layers of canned products in a single lift. This is due to the high performance magnets used in our product. The Palletisers are typically designed; as the name suggests; around typical pallet sizes. However, at Eclipse Magnetics we can offer a range of custom sizes to fit a wide variety of applications.

Fail Safe

The Palletiser/Depalletiser houses a high performance neodymium magnet pack. This is moved to contact the work piece when the magnet is switched on. If the air fails, the magnet pack stays in position, the Palletiser stays energised and the load stays held. The Palletiser does not become de-energised until an air supply is used to switch it off, when it is safe to do so.

Benefits

- Ideal for thin or uneven surfaces
- Can hold through large air gaps such as packaging
- No damage to parts being handled
- Multiple parts can be picked in a single operation
- Initial part positioning not critical
- Excellent weight to performance ratio
- Option to add proximity detectors
- Low maintenance

Performance

Air requirements:	Only required during switching
Air pressure:	6 Bar min – 10 Bar max
Air connection:	1/8" BSP
Temperature:	Maximum + 50°C (122°F)



Suitability

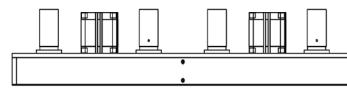
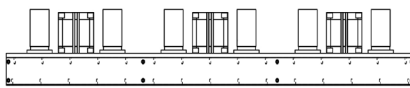
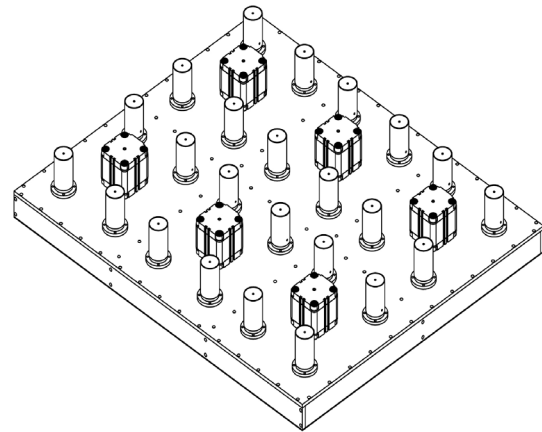
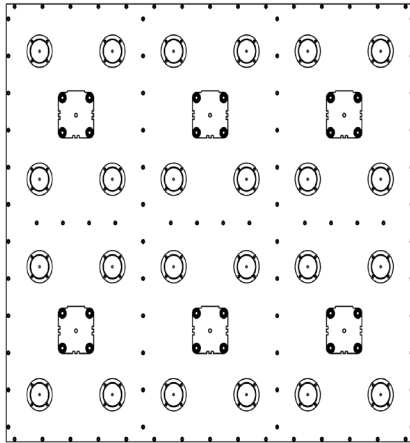
Suitable Products	Ferrous materials (e.g. mild steel)
Suitable Location	Example - factory shopfloor / production line

Materials

Outer shell material:	Anodised Aluminium
Stainless steel contact wear plate	
Choice of flanges, cruciforms and working positions	
Magnet material:	Rare earth neodymium iron boron (NdFeB)

Maintenance

- As part of LOLER, PUWER, ASME B30.20 and H&S advice, you need to regularly inspect Lifters to ensure they are not damaged and are suitable for lifting the parts
- Annual inspection is a minimum requirement
- We can inspect and service / repair our Lifters for you



Palletiser to suit typical pallet sizes

ISO Size (mm)	Region(s) Commonly Used
1200 x 800	Europe
1200 x 1000	Europe, Asia

Other standard sizes and custom sizes are available upon request