

# STAINLESS STEEL MANIPULATORS



Manipulator designed to pour a range of drum sizes and to lift paper and plastic sacks. The unit gripped product pneumatically and by vacuum. Also incorporated HEPA filtration. The system was installed for use in a containment booth environment.



This unit was designed to lift and pour the contents of a range of fibre kegs weighing up to 70kg directly into a reactor. The system requires compressed air for operation making it suitable for flameproof and zone 21 environments.



Inverted manipulator suitable for suspending from overhead steelwork. The system incorporated vacuum grip to easily handle a range of drums and sacks. This unit had a SWL of up to 210kg.



LEFT: Low level stainless steel manipulator suitable for restricted environments. This unit incorporated a weighing feature which allowed the operator to 'check weigh' drums before palletising.



RIGHT: Overhead manipulator with dual controls which allow drum pouring at a high level. The system has a bead blast finish.

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PRODUCT INFORMATION FOR MANIPULATORS

**TYPICAL PRODUCTS HANDLED:**

- Sacks (plastic/paper/polywoven/hessian)
- Drums (plastic/fibre)
- Boxes

**LOAD CAPACITIES:**  
Up to 150kg (330lbs)

**REACH:**  
Up to 3m (10')

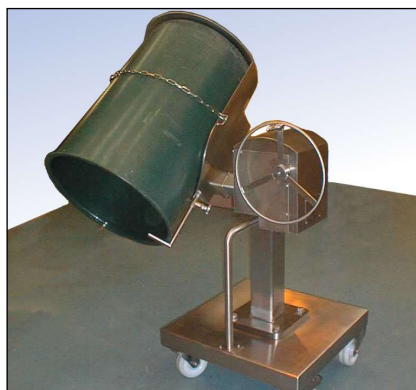
**SUITABLE FOR:**  
Primary  
Secondary  
Barrier containment  
Warehouses

**FINISH OPTIONS:**  
Mild steel to 316L cGMP.

**FEATURES:**

- Offers the perfect solution for restricted headroom areas such as within laminar and downflow booth environments.
- cGMP designed articulated arms
- Drum rotation available, can be manually or pneumatically powered.
- Optional end effectors to suit almost any product within the Pharmaceutical industry.
- FDA approved gaskets on all suction feet.
- The unit can be floor ceiling or wall mounted with the articulated arms folding neatly together maximising production space for the operator.
- Low noise levels and easy maintenance complete with a two year warranty and validation documentation ensures a quality handling solution.

ADDITIONAL HANDLING SYSTEMS FOR THE PHARMACEUTICAL INDUSTRY



*Fixed or mobile tipping unit with 90°, 135° and 180° manual or powered turning options. Capacities to suit applications. Easily handles a range of drum diameters, heights and weights.*



*Mobile Post Hoist handling plastic containers from pallet, inverting and placing onto a buck valve. Easily handles a range of drum diameters, heights and weights.*

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