


STRONG ARM



KEY FEATURES

- Stainless Steel Construction
- Automated Filling Solution
- Large Operating Envelope
- Low Maintenance
- Easy Installation
- Increased Productivity
- Top & Bottom Filling
- Volumetric, gravimetric, flow and mass-flow metering options
- High return on Investment

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filling and decanting systems
for liquids & semi-solids*

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STRONG ARM



The Application

When filling and or decanting fluids or semi-solids into containers it is imperative that the fill is accurate, fast and safe.

Current methods of container filling can be costly both in terms of time and product waste (give away's), due either to 'over fill', or spillage. Most methods rely on a high level of human interface and manual handling, which can present health and safety risks, as well as non conformity to DoT weights and measures standards.

The Solution

The Strong Arm filling machine with its articulated arm design has been developed to automatically and accurately fill a wide range of industrial containers. The all stainless steel solution can be configured to accommodate all aspects of filling including;

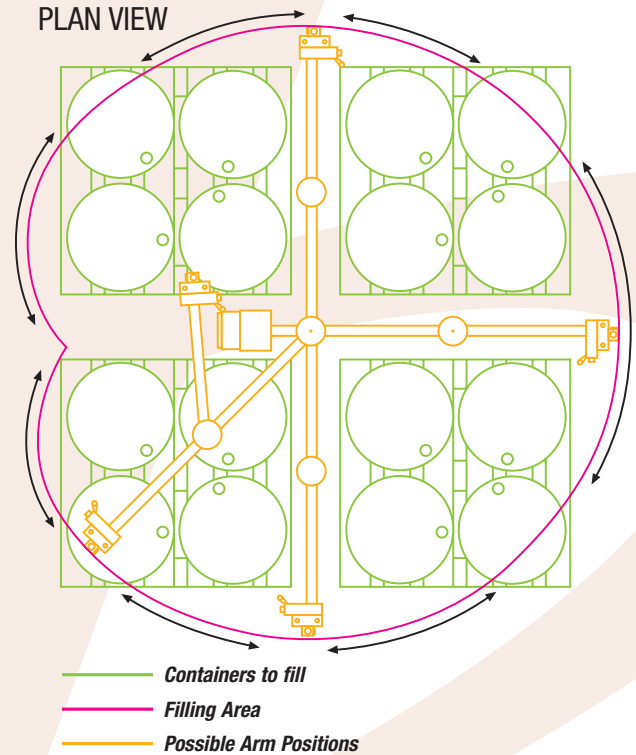
Filling Options

- Sub-surface or bottom filling
- Top filling
- Hazardous areas
- Single container

Metering Options

- Volumetric
- Gravimetric
- Flow or Mass Flow

A key feature of the Strong-arm is its precision articulated filling limb. It has been ergonomically designed for maximum operator efficiency, and will operate through a full 360 degree working radius. This allows multiple pallets to be processed, maximising productivity.



Frequently Asked Questions

Q: Will the Strong-arm conform to DoT weights and measures standards?

A: Yes, in fact depending upon the metering type chosen, filling accuracy is 0.1% of either mass or fill volume, considerably better than current legislation requirements. The machine as standard will also come with a certificate of conformity.

Q: I have an extremely harsh environment, how will the Strong Arm cope with these conditions?

A: The all Stainless Steel construction combined with the sealed bearing articulated arm and the unique internal protection of the pneumatic drive cylinders provides the Strong Arm with excellent harsh environment operation and service life.

Q: How versatile is the Strong Arm and can you advise on the best solution for my application?

A: Through Filling Solutions' 20 years of industry experience our in house engineers can assess the exact nature and characteristics of the fluid and the application and can advise on whether Top Fill, Bottom Fill, mass flow or gravimetric systems would be best suited and can even modify lance design for optimum filling speed and efficiency.

Q: Is there a Strong Arm for filling containers on a conveyor?

A: Yes, the Strong Arm range of machines has been designed with the necessary flexibility to cope with conveyor filling or any other type of filling required. Let us know the application and we can help with the solution.

Q: Is the Strong Arm easy to operate?

A: Yes, from a single press of a button the dispensing lance drops into the container and begins filling automatically, initially in fast fill, then dropping to slow fill to achieve the required accuracy. The only other human interface is then to accept the filled container and move on to the next fill.

Q: Can I use the Strong-arm in Hazardous areas?

A: Yes, we can offer and build the unit to most intrinsically safe requirements.

SIDE VIEW

