

# MODQUIP

# Pivot Weigh Screw

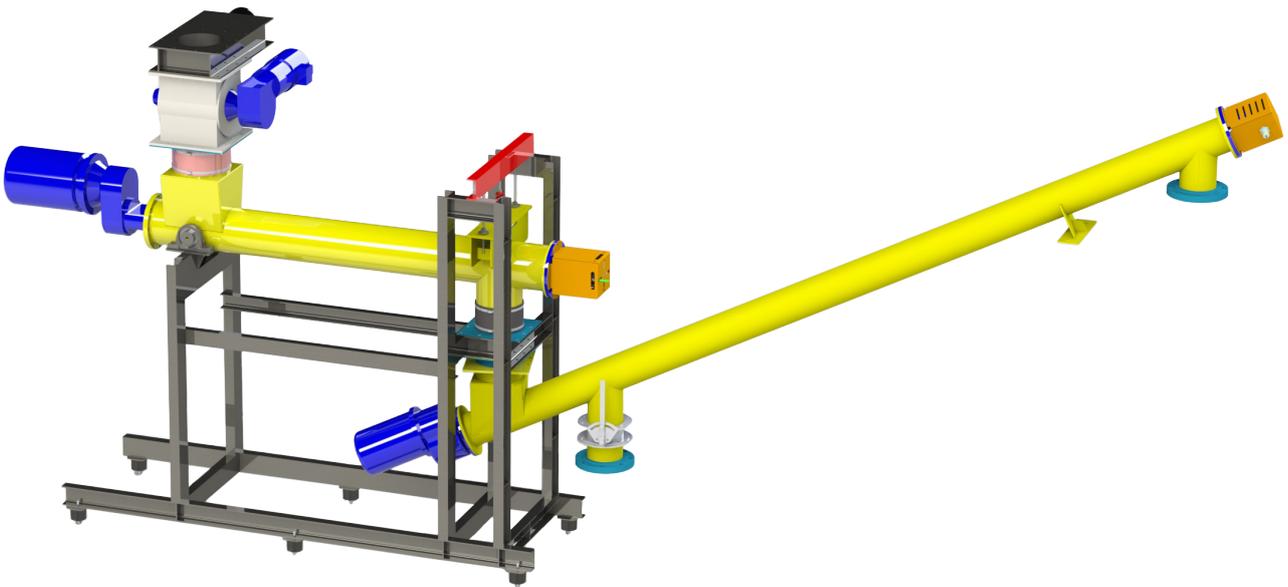


MECHANICAL  
EQUIPMENT  
GROUP.

# Pivot Weigh Screw

ModQuip Pivot Weigh Screws (PWS) continuous weighing systems are designed for precision and efficiency and are frequently used in backfill paste plants on mining sites.

Integrated into material handling processes, this system continuously measures and monitors the flow of materials. Crafted with precision and utilising high-quality components, the Pivot Weigh Screw ensures accurate and reliable measurements.



## Features & Benefits

- ▶ **High-Quality Components:** Inquip sources and delivers top-tier parts to guarantee durability and longevity.
- ▶ **Expert Design and Manufacturing:** Modquip, utilises cutting-edge technology to design and manufacture pivot weigh screws with unmatched precision.
- ▶ **Electrical Excellence: Automation & Control** specialises in sourcing and producing state-of-the-art electrical equipment, including motor control systems and weighing systems, ensuring seamless integration and reliable operation.
- ▶ Screw diameter and speed are precisely engineered to ensure optimal material loading and maximise weighing accuracy. The achievable accuracy depends on both the product characteristics and the specific application.
- ▶ The ModQuip system applies a constant-weight design principle to maintain the highest possible accuracy across the entire operating range.

## Key Design Parameters

- ▶ Flow Rate
- ▶ Speed
- ▶ Bulk Density

## Balanced w/ Physical Screw Parameters

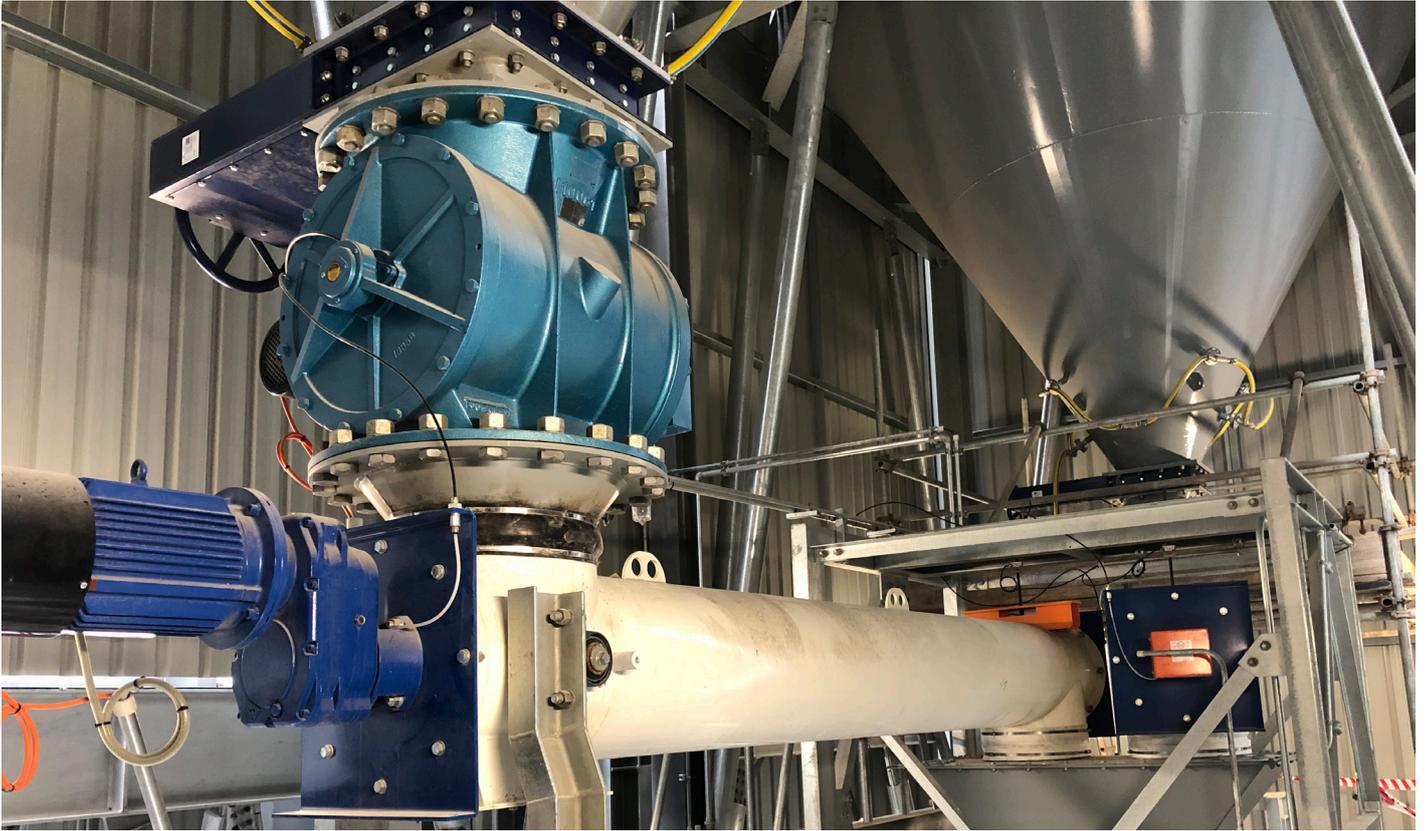
- ▶ Diameter
- ▶ Pitch
- ▶ Fill Capacity

# Data Sheet

Typical Accuracy	
Free Flowing Products (e.g. canola & malt)	~±1% (Note: Malt out loading has been tested and proved at better than ±0.5%)
Non-Free Flowing Products (e.g. flour)	±1 to 2%
Difficult Products (e.g. cement)	±2 to 3% (Note: Cement is difficult to feed, however, if good flow control is established, ±1% can be achieved)
661	~0

Typical Flow Rates	
Malt	100tph
Hydrated Lime	6tph
Cement	25tph





## Need Help Configuring Your System?

Speak with our team to customise your ModQuip Flexible Screw Conveyor for your material type, throughput and installation requirements.



# MODQUIP

A division of Mechanical Equipment Group (MEG), ModQuip produces in-house custom bulk material's handling solutions, assembled from locally stocked components for immediate delivery.

The innovation of the ModQuip brand comes from our unique design that allows for easy assembly, which can be done with basic tools – no welding or special equipment required.

This solution delivers increased productivity and unmatched durability for heavy industries.



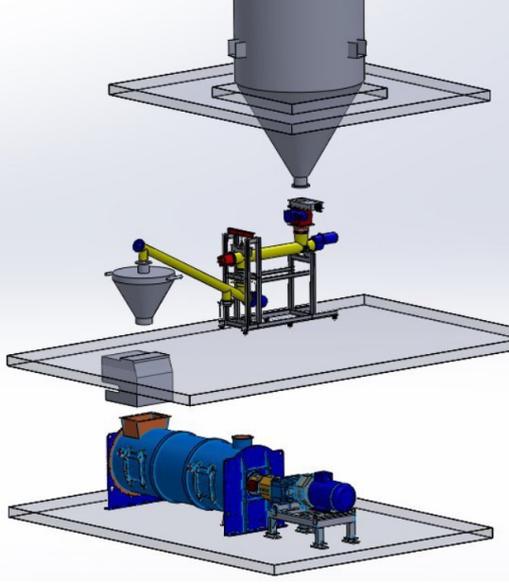
MEG was created in 2015 to bring together our family of companies; Chain & Drives, Inquip, Automation & Control, Tank Enviro and Partsbook.

MEG works together to support businesses by offering the complete solution in mechanical equipment, power transmission and engineering services across all industries.





**High-Quality Components**



**Expert Design**



**Cutting-Edge Electronics**

# MODQUIP

Engineered Solutions.  
Endless Possibilities.

[modquip.com.au](http://modquip.com.au)

[support@modquip.com.au](mailto:support@modquip.com.au)

