



# *Floveyor*<sup>TM</sup>

**Get your materials moving!**

Powders and granules, fragile or heavy,  
all moved efficiently, effectively  
and with low power requirements

Floveyor<sup>TM</sup> ...  
The choice to solve your  
material handling applications

***'Floveyor Pty Ltd - the experts in  
Aeromechanical Conveying'***

# History of the Floveyor™

The Floveyor™ was invented in 1960 as an economical way to move peanuts. Mr Robert Walker, a Perth Consulting Engineer, was called in to help design a factory that needed an inexpensive conveyor to move peanuts. He couldn't find anything suitable on the market so he set about devising a simple system himself. The prototype machine was made by gluing wooden discs onto a wire rope. It had the marks of all good inventions, simple, yet very effective.

He took out a patent, modified the design for powders, and then started the manufacturing process. The first designs were cast aluminium items and the clients were mostly in the agricultural market.

During the early 1970's, a fabricated housing was developed that allowed use of Stainless Steel and Mild Steel parts that allowed the Floveyor™ to be used in many new markets, essentially food processing, pharmaceutical and chemical industries.

Following the death of Robert Walker (Senior) in 1979, Robert (Junior) and his brother Richard took over the running of the company. The introduction of CNC punching and bending further improved the manufacturing of all components and new products including Screwfeeders,

Bulk Bag Frames, 90° Housings and Tube Inlet/Outlets were developed.

In 2005, following the retirement of Robert Walker (Junior), Richard Walker took over ownership of the company with a passion for technical investigation and design. Following many years of listening to users and distributors he began in earnest the development of new housings and other components. As a result, the newly designed *Floveyor II* was released in 2008.

The company will continue to deliver new designs and breakthroughs in aeromechanical technology. To stay informed of the latest improvements and designs, visit the website at [www.floveyor.com](http://www.floveyor.com).

Floveyor machines and accessories are sold worldwide through a network of distributors.

## What is Aeromechanical Conveying?

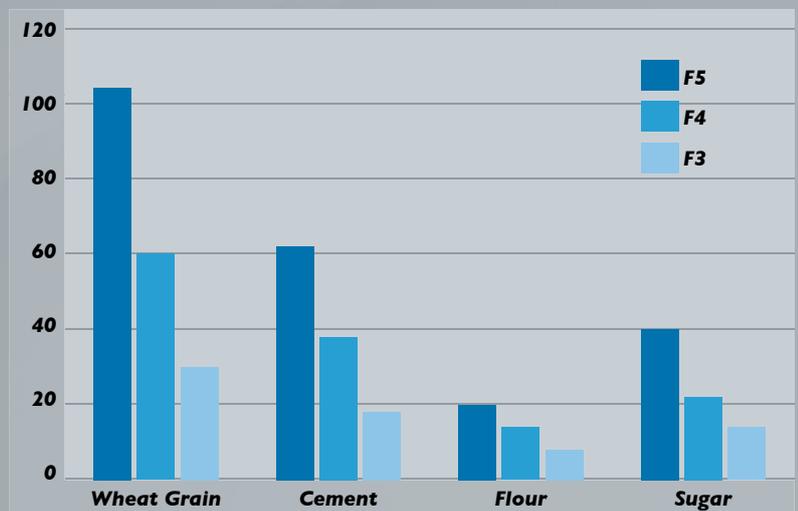
AMC is essentially the injection of powders or granules into a tube where there is a moving air stream. The material is fluidised by this action and is then moved efficiently in a totally enclosed system.

### Advantages of AMC

- Low power input, from 0.75kW (1hp) up to 7.5kW (10hp)
- Able to handle fragile products
- Works at any angle
- Quick recovery of capital costs
- Simple to clean
- Low maintenance



**We don't copy  
We design and develop**



The graph demonstrates the throughput in tonnes per hour for product handled by the range of Floveyor™ machines.

Note that the throughput varies with the product characteristics.

## *Floveyor II*

*Floveyor II* is the result of listening to Floveyor users. Cast products allow the use of a range of materials and finishes. From mild steel and hard wearing steels to economical T304 and polished T316 stainless steels for those critical applications.

### **Modular components allow for:**

- Flexibility in system design that allow your Design Staff to create systems to meet your needs and requirements, simply and effectively.
- “Off the Shelf” components allow for quick lead times for despatch.
- Fast assembly times to get your project up and running quicker and with less problems

*Floveyor II - the next generation  
of Aero Mechanical conveying*

## **Rope Assemblies The ‘Heart’ of the Floveyor™**

Floveyor™ Rope Assemblies are available in many options to allow the optimum combination for any application.

Polyurethane (PU)\* or Polypropylene (PP) materials are used on galvanised or 304SS wire rope. 316SS is available as an option.

\* FDA, USDA and EC approved material.

### **Three types of manufacture of rope assembly are used for the Floveyor™**

- **Riveted Discs on Wire Rope** - economical, original design.
- **Moulded PU Discs on Wire Rope** - discs are uniquely moulded directly onto the cable and reduces the likelihood of product contamination.
- **Moulded PU Discs on PU Coated Wire Rope (PCPU)** - fully sealed rope assembly for those high grade food applications, and applications where minimal maintenance and longer life is needed. Floveyor™ PCPU rope assemblies offer a superior product when compared to other manufacturers.

*Are your advisors telling you  
that a wire rope can't be sealed?  
See our Polymer Coated Rope Assemblies*



# Full Range of Equipment & Accessories

## Equipment

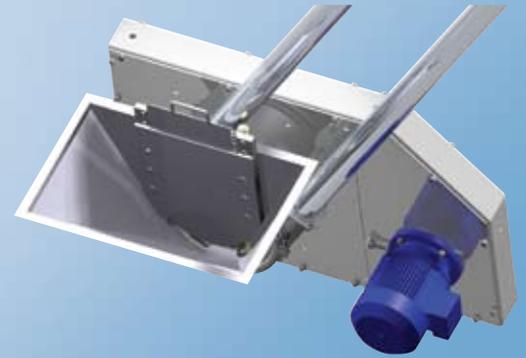
- Screwfeeders
- Bulk Bag Frames
- Adjustable and Fixed Angle Mobiles
- Tanker Loaders
- 90° Corner Housings
- Drag Units

## Accessories

- Tube Inlets and Outlets
- 2-Way and 3-Way Diverter Valves
- Grids
- Dust Hoods
- Hopper Extensions
- Sand Sprockets
- PU Wear Lining
- Air Nozzles
- Earthing Straps



*Selling a quality product  
with expert knowledge*

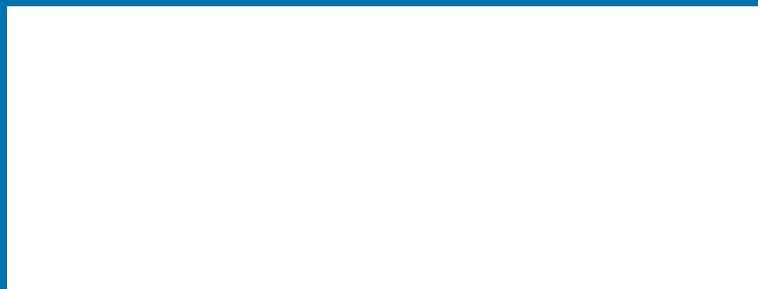


## Ordering

Your Floveyor™ Authorised Distributor will assist you in your application by determining a suitable unit to integrate into your system.



**Contact your Authorised Distributor now...**



Manufacturers:  
Floveyor Pty Ltd  
Western Australia

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