



## Simplify your materials handling

Aero-mechanical  
conveying solutions

  
**FLOVEYOR**

## Why Floveyor?

Simplify your materials handling.

The Floveyor is a unique, beautifully designed aero-mechanical conveyor guaranteed to take the hassles and headaches out of plant engineering.

Our systems are simple to operate, highly efficient and effortless to maintain.

## What sets us apart?

### Our pioneering history

We invented contemporary aero-mechanical conveying as a simply ingenious solution to a local materials handling dilemma. Half a century later, upholding the Floveyor tradition of delivering on our promise of simplicity and innovation has made us world leaders in our field.

### Single pointed focus

We are aero-mechanical specialists who give our undivided attention to fulfilling your need for purpose built, efficient conveyors.

### Global reach, local presence

Find our 5000 plus customised conveyors in over 50 countries supported by a global network of Distributors, OEMs and Agents. We build enduring relationships everywhere, based on achieving shared goals and impeccable results.

## What drives us?

### Our values

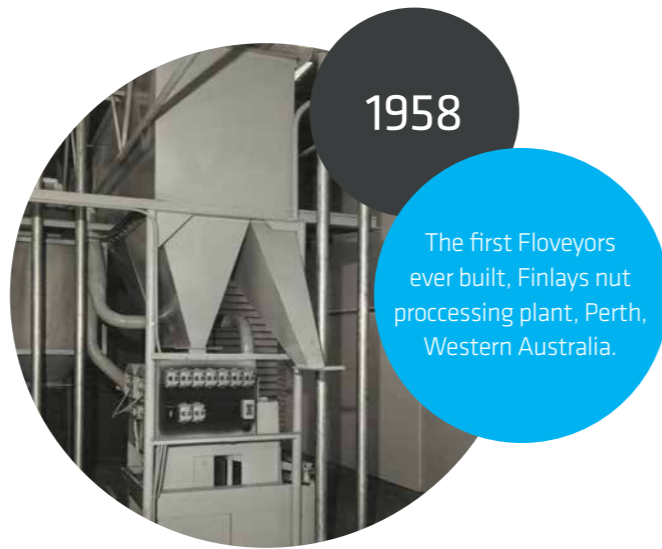
Simplicity in conveying, integrity in everything.

### Vision

To continue to push the boundaries as the world's leading provider of aero-mechanical conveying solutions.

### Mission

To deliver the world's most reliable and professional AMC solutions, after sales service and support to every corner of the globe.



## Why aero-mechanical conveying?

**First principles - fluidizing technology delivers rapid, gentle materials transfer:**

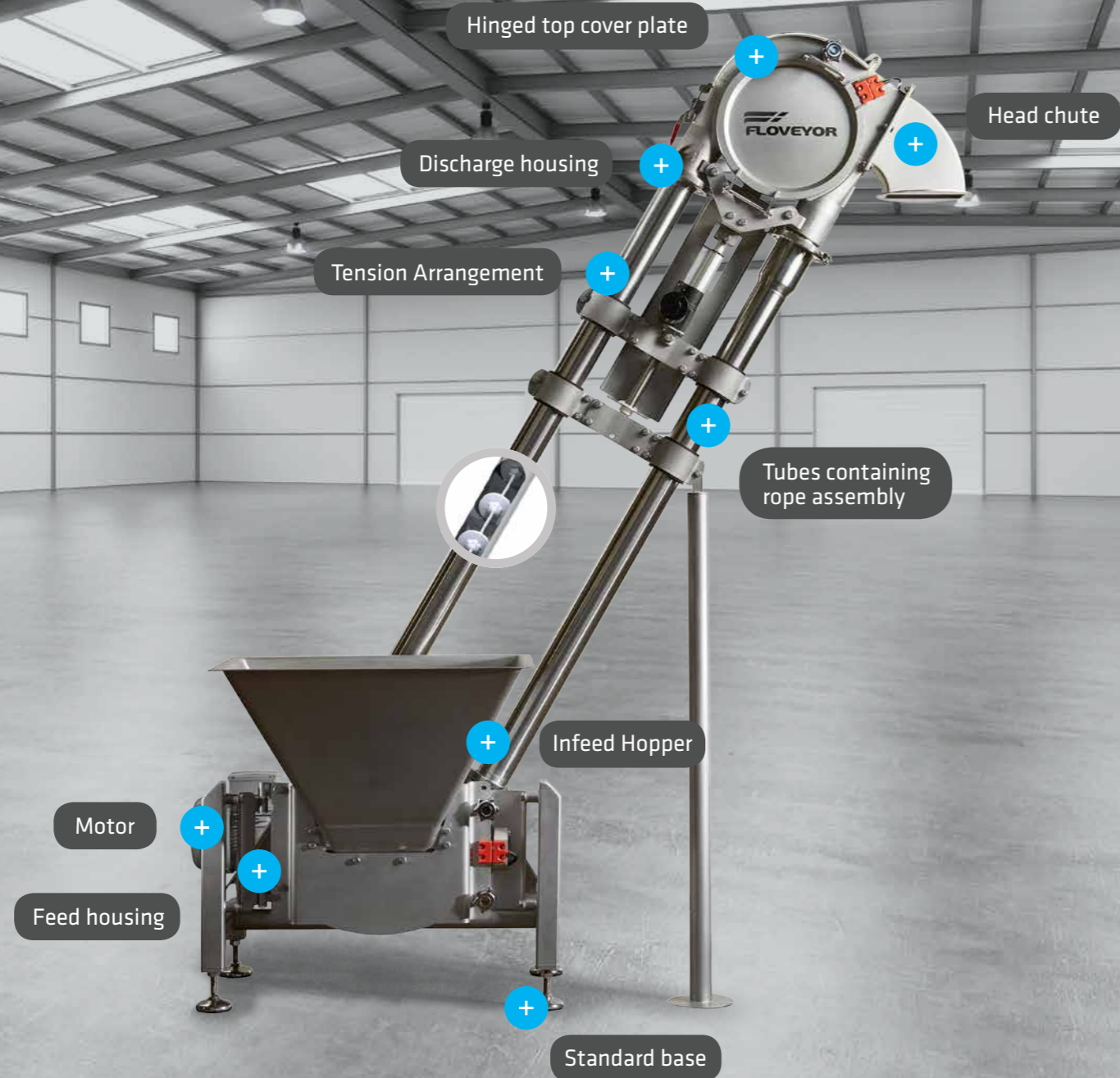
- > A small efficient motor drives a high-speed rope assembly to generate centrifugal force
- > Raw material is gravity fed via a feed hopper or screwfeeder at the bottom housing
- > The circulating rope assembly suspends the raw material in an air pocket and propels it rapidly but gently to a collection point.

**Countless advantages – design ingenuity delivers matchless versatility and cost effectiveness.**

Floveyor aero-mechanical conveyors move thousands of powders and granules safely and effortlessly every day.

Our modular designs and flexible fully enclosed systems integrate seamlessly into existing plant. You can also rapidly reconfigure a Floveyor, to elevate powders or granules in any number of applications.

Our entire team will back you 100% but we've designed our conveyors so you'll hardly ever need us. We've streamlined everything from set up to shut down so that even your leanest operational team can manage the Floveyor's full lifecycle.



## Here's how it works

### Install

Floveyor's light, modular design has a small footprint and operates filter free and without heavy supports.

Installation is as simple as:

- > dropping the Floveyor in place, then connect the inlet and outlets to existing plant and begin production
- > adapting angles of elevation, discharge direction, drive location and conveyor accessories to change your application or redeploy the conveyor across multiple sites.

### Operate

Take full control of a durable, intuitive, automated system that's customised to deliver exactly what you need. We can advise on a range of cost effective options including:

- > a full range of complementary materials handling equipment, from bulk bag dischargers to conditioning lump breakers
- > an integrated electric or pneumatic baffle plate that eliminates the risk of starting or stopping the system under load
- > a range of optional sensors, including; bearing temperature probes, discharge chute blockage or high level sensors and low speed monitors.

### Maintain

Minimise down time. We've engineered the Floveyor from the bottom up to ensure that peak performance needs minimal maintenance. Download a full range of technical resources from our web site and if you have a question - just ask.

Finally, because we understand that any aero-mechanical conveyor is only as good as its rope assembly, we've applied the full force of our engineering design energy to creating the most world's most durable and sophisticated collection of these vital consumables.



## Classic technology – engineered for your industry

All Floveyors share a set of distinct attributes based on their unique aero-mechanical design.

- > High throughputs – regardless of the material properties - Floveyors are equally efficient for thousands of products from carbon black to cake mix
- > Energy efficient – one of the lowest energy costs per unit conveyed across all industries, reduces your carbon footprint and your operating costs
- > Hassle free integration – built for agility and unencumbered by heavy structural supports or filtration systems - Floveyors fit in anywhere, move easily and adapt to new applications as your business evolves
- > Dust free operation - fully enclosed Floveyors contribute to safe, clean workplaces and eliminate product contamination
- > Matchless versatility – one Floveyor moves many materials - accommodates diverse requirements, up for tomorrow's challenges today
- > Maximum batch transfer - clean, complete conveying leaving minimal residue and protecting product integrity
- > Gently does it – fluidized materials arrive undamaged and unseparated at the reception point.

These defining characteristics established us as global leaders in aero-mechanical conveying.



Now we've refined our revolutionary conveyors to create our **Hygienic**, **Industrial** and **Tanker Loader** ranges.

We are proud to offer all the classic Floveyor capabilities enhanced to meet the specific needs of our worldwide customers in three rapidly changing industry sectors.



Hygienic

Industrial

Tanker Loader



Dust and contamination free conveying means Floveyor is perfect with food.



## Gentle, fast, efficient

Attentively engineered as a complete food grade compliant system.

Every design and construction detail realises our commitment to creating the ultimate contamination free, low maintenance system for high grade bulk food handling.

### Built for strength and safety

Every Hygienic Floveyor is:

- > fabricated entirely from SSS316, SS316L or SS304 stainless steel according to your exact specifications
- > constructed without welling points or flat surfaces or catch points inside the product contact zone
- > built to eliminate the risk of bacterial contamination with:
  - crack and crevice free product contact parts
  - ground and flush internal welds
  - radius internal corners.

### Get maximum clean in minimum time

We've fitted a range of easy clean components, including:

- > spaced off frame components
- > sanitary supports
- > wash down resistant electrical components
- > silicon and EPDM seals and gaskets
- > air purged bearings
- > quick access tri-clover connections
- > slimline hygienic supports designed for rapid disassembly
- > fast remove access hatches with electrical safety interlocks.

Floveyor's simple, elegant design gives easy access for any of our range of cleaning regimes including dry purging and wet wash downs. We can advise you on most effective and cost efficient options for your purposes including customised 'clean in place' spray jets, air nozzles and drainage connections.

### Hygienic Floveyor's key capabilities

- > Conveys all kinds of materials including: granules, flakes, chips, and other fragile materials with little or no degradation
- > Maintains crucial batch and blend integrity regardless of material properties, bulk density, particle size distribution, flow characteristics or moisture content
- > Conveys materials in total batch transfers, with negligible residue left in the system
- > Minimises dust explosion risks for hazardous materials
- > Provides effortless access for cleaning and testing to support Good Manufacturing Practice (GMP).

### Run by revolutionary rope assemblies

Our technically advanced range of rope assemblies can be configured to provide ultimate peace of mind against metal or plastic contamination. Including an x-ray and metal detectable additive in our signature PU Polymer Coated & SS329 Rope Assemblies helps protect your product against contaminants.

In addition, our ultra-durable SS329 wire rope assembly with 4 times the magnetism of standard stainless steel represents another innovation in high grade food grade conveying.

## Versatile, economical, uncomplicated

Small footprint, modular design, installs and operates effortlessly

Floveyor's legendary energy efficiency sets them apart from alternative dry materials elevation and conveying systems. When it comes to moving industrial materials, including hazardous or fragile ones, we'll provide safe, fast moves that protect product integrity and reduce your production costs.

### Adapt to any location

Industrial Floveyors will not be beaten on toughness and versatility.

They will:

- > sync seamlessly with a complete range of complementary equipment for effortless control of material conditioning and product flow
- > outpace alternative systems on simplicity, economy and speed.

### Keep it Simple

We've redesigned the Industrial Floveyor with your operator and maintenance team in mind. By taking our classically simple conveyor and reengineering it from the bottom up, we've made their lives easier and provided you with additional advantages right across the value chain.

### Industrial Floveyor's Key Capabilities

- > Operates at any angle without diminishing maximum throughputs
- > Fluidizes difficult materials like Titanium Dioxide TiO<sub>2</sub> & Carbon Black for hassle free transfers
- > Handles materials at temperatures of more than 100°C due to its robust, durable construction
- > Conveys hazardous materials safely and contamination free via a fully enclosed system
- > Simplifies operations and lowers costs for elevating powders & granules
- > Promotes faster down stream wet mixing and blending
- > Eliminates filtration or extraction equipment.

Economical,  
compatible  
and safe

An Industrial Floveyor is one of the most cost effective methods for dry bulk elevation and conveying.





## Robust, mobile, adaptable

The absolute answer to complex conveying questions in logistics and transport.

When our customers in the transport and logistics industries asked for a small, tough, highly mobile conveyor ideal for remote locations, confined spaces and quick turnarounds in high pressure applications, we delivered.

### Save time and money

The Tanker Loader's mobility, dust free operation and compatibility with complementary equipment eliminates the need to:

- > invest in fixed conveyors for short term projects
- > pay increased demurrage costs for excessive tanker turnaround times
- > waste time with inefficient processes for preconditioning lumpy raw materials.

### Reconfigure in an instant

Trademark Floveyor versatility means Tanker Loaders readily adapt to decant or load from a range of sources including:

- > disposable and reusable bulk bags
- > sea containers
- > IBCs.

### Tanker Loader's Key Capabilities

- > Decants dust free providing a safe environment for operators and eliminating tanker clean down after loading
- > Configures effortlessly to comply with food applications requiring FDA and EU certification, or ATEX, EX, IEC compliant hazardous zone builds
- > Offers full turnkey solutions for hassle free value chain integration including:
  - automated level control and conveyor shut off
  - operator and driver notification of fill status via light tower and mobile control interface
  - fully integrated dust extraction for disposable FIBC decanting or filling via front end loader... and much more
- > Adaptable for a broad and mobile solution to decanting applications.

## What do we move?

In any given hour all over the world, Floveyors will have moved thousands of tonnes of powder and granules of every imaginable sort.

Whether your material is delicate or durable, a Floveyor will convey it efficiently. It will precondition challenging products, protect the blend integrity of others and deliver total batch transfer, dust free and in record time.

We're confident your powdered or granulated product is probably already on our list but you can easily check this using the enquiry tool in the 'Materials Handled' section of our website. If your product isn't listed, talk to us about materials testing and system design to suit your needs.





 PARTNER LOCATIONS

## Where can you find us?

Our network of partners and suppliers radiates from our Western Australian headquarters to every corner of the globe. This means you can always find our universally renowned products and services wherever and whenever you need them.

Visit our website to find your nearest supplier, download detailed technical support and product information or send us a question or a comment.

For immediate expert advice, contact our team at [enquiries@floveyor.com](mailto:enquiries@floveyor.com) or at **+61 (08) 9378 3333**

## What next?

Find out how Floveyor can streamline your operations. Visit [www.floveyor.com](http://www.floveyor.com)



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| SIMPLICITY IN CONVEYING

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