



Cleaning



Conveying



Analysis



Processing



# ABOUT US

Allegiant is a dynamic Australian-based company founded in August 2023, with offices located in the Sunshine Coast and Mildura. We specialise in representing premium international brands in the agricultural, recycling and food processing sectors. Our mission is to deliver innovative, high-performance solutions to the Australian market through trusted global partnerships. With a vision to become the leading provider of precision equipment and services for the seed, nut, recycling and milling industries, Allegiant is committed to excellence, innovation, and customer satisfaction.

## INDUSTRIES WE SERVE



BARLEY



MAIZE



OATS



WHEAT



ALMOND



WALNUT



PECANS



MACADAMIA



PULSES



LEGUMES



ANIMAL FEED

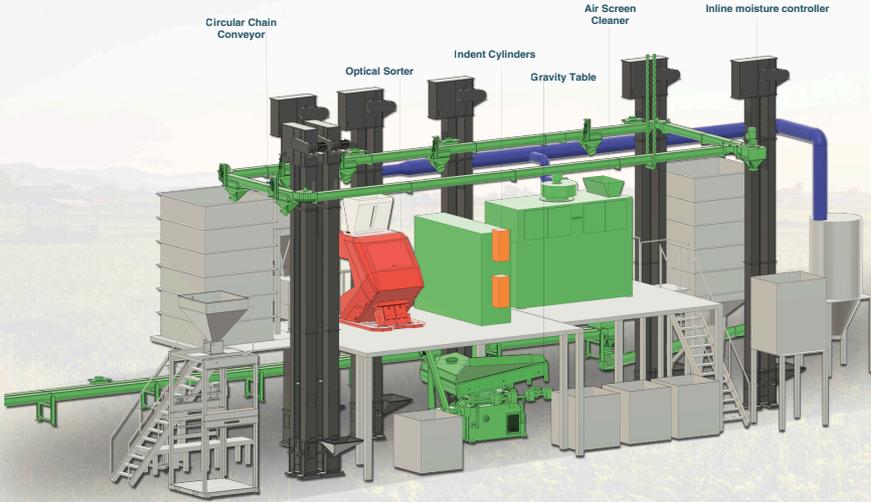


COFFEE



RECYCLING

# OUR CAPABILITIES



## • PROJECT SCOPING

- 3D Scanning and Site Measurement
- Process Design
- Concept Design
- Pre - Engineering
- Product Testing
- Process Flow Validation
- Equipment Selection
- Project Scoping & Timeline



## • PROJECT EXECUTION

- Engineering - Certification
- Design & Compliance
- Installation
- Project Management
- Fabrication



## • AFTER SALES SUPPORT

- Training
- Maintenance & Spares



## • OTHER SERVICES

- Process Optimisation

# OPTICAL SORTING



MEYER is a global manufacturer of advanced optical sorting technology with over three decades of experience supplying high-performance inspection systems for food and agricultural processing. Its machines combine high-resolution imaging, intelligent detection and Deep Learning AI to accurately remove foreign material, colour defects, mould and contamination while protecting usable yield and supporting stable plant operation.

Designed for grains, rice, pulses, seeds, nuts, coffee and other bulk products, MEYER systems deliver reliable sorting performance with flexible configurations suited to different throughput and quality requirements.

## MEYER Machine Range

- C Series (CI, CG, CS) – versatile AI-enabled CHUTE sorter for precise multi-commodity applications
- X Series (XS, XM, XR) – high-accuracy XRAY platform for demanding quality and high-capacity processing
- K Series (KM, KI, KMS) – Belt Type industrial sorting solutions for cleaning, grading and quality control

# CEREAL MILLING

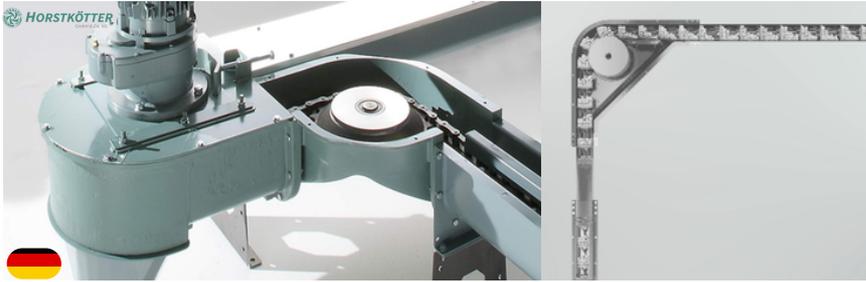


Omas is an Italian leader in milling technology, offering energy-efficient and high-performance equipment for wheat, corn, rice, and pulses. With over 50 years of experience, Omas is known for innovation, automation, and sustainability in grain processing.

## Key Products

- Leonardo Roller Mill – Precision milling with energy-saving KERS system
- Galileo Plansifter – Efficient flour sifting
- Michelangelo Purifier – High-accuracy semolina separation
- Flexy Mill – Smart milling with recipe control and AI
- DST Scrubber – Cleans wheat for better yield and hygiene

# MATERIAL HANDLING



Horstkötter offers a versatile range of conveyor systems designed for efficient transport of dry, free-flowing bulk materials like grains, seeds, and powders. Their conveyors are engineered for compact spaces, complex routing, and high throughput, making them ideal for agricultural and industrial applications.

## Key Conveyor Products

- Tubular Chain Conveyor
  - Fully enclosed system
  - Flexible 3D routing with elbows and transfer points
  - Low space requirement and single motor operation
- Circular Chain Conveyor
  - Flexible chain design for varied layouts
  - Ideal for grain and feed transport

# INLINE MOISTURE CONTROL



Hydronix Ltd is a UK-based global leader in digital microwave moisture measurement sensors, established in 1982. Their sensors are used across industries including agriculture, food processing, concrete, and bulk materials. Hydronix technology helps optimise production by providing real-time, accurate moisture data, reducing waste, improving product consistency, and saving energy.

## Key Products

- Hydro-Mix XT – Flush-mounted sensor for mixers, conveyors, and ducts; ideal for grains, nuts, pulses, and feed
- Hydro-Probe XT – Sensor for bins, silos, and hoppers; measures moisture in flowing bulk solids
- Hydro-Probe Orbiter – Rotating sensor for pan mixers; fast response to water addition
- Hydro-Control V – Water control system for automated moisture adjustment
- Hydro-View – Display and interface unit for sensor calibration and monitoring

# EXCELLENCE IN OPERATIONS



[www.allegiant.net.au](http://www.allegiant.net.au)



visit our website

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