

T M I C

The Machine Install Company

WHAT WE'RE ABOUT



The Machine Install Company Ltd (TMIC) was founded in 2016 by Managing Director John Steward, who has over 25 years of experience in engineering and large machinery and turnkey installations within the vegetable packing and processed food industries, worldwide.

Primarily set up as an on-site services company, specialising in machinery installations, factory equipment relocations and shutdown maintenance, demand soon grew for the supply of new machinery.

Due to these ever increasing requests from our customers in the early days to supply machinery, TMIC first developed its own range of conveying solutions, focusing on a modular, maintenance friendly design.

In 2018 TMIC partnered with Herbert Solutions to manufacture and supply a full range of Herbert machinery for the vegetable Fresh-Pack industry.

Since the start of TMIC, the company has expanded progressively into larger premises and a much increased workforce of highly skilled fabrication and installation engineers.

MACHINERY SUPPLY

Expanding into our new unit in Wisbech has allowed us to increase the range of machinery we can offer our clients.

MACHINERY INSTALLATION

From one machine to entire factories TMIC can take care of new installations or relocations.

SHUT DOWN WORK

Our highly skilled engineers are able to carry out servicing on a wide range of machinery within food factories planned around your production requirements.

SPARE PARTS

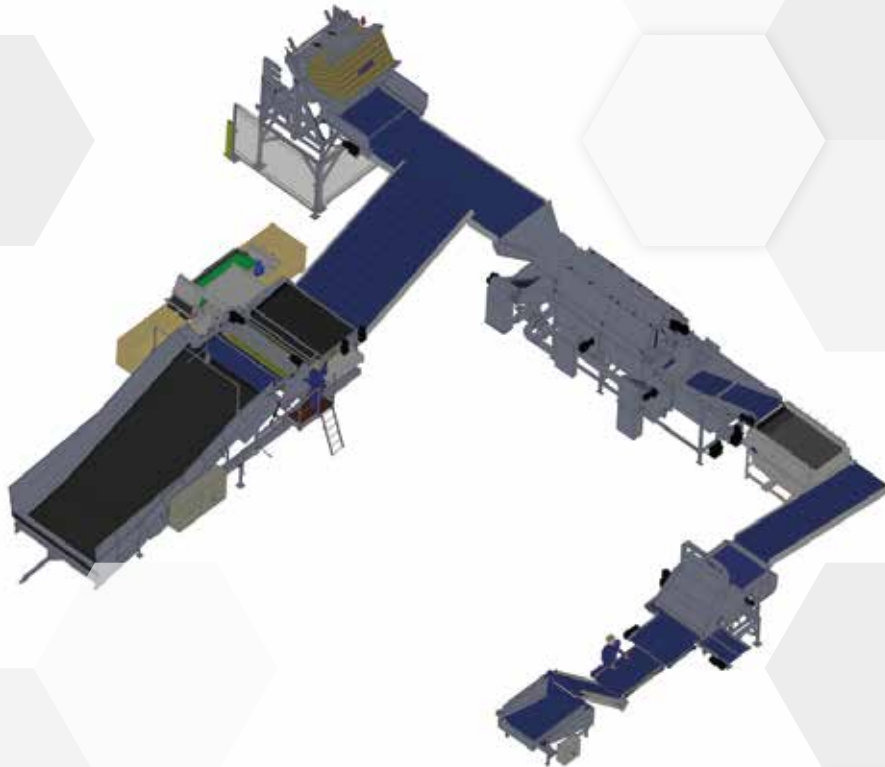
We supply a full range of spare parts for:
The TMIC range of machinery
Original and new generation Herbert machinery

WORKING IN PARTNERSHIP WITH

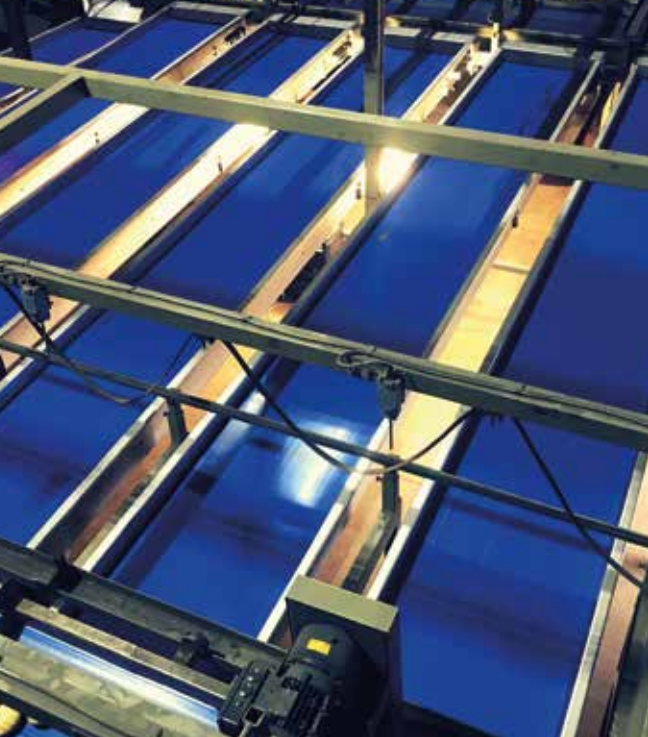


In 2020, Herbert Solutions was acquired by Key Technology, who in turn is part of the Duravant Group, and Key Technology maintained the existing partnership with TMIC.

Since 2020 TMIC and Key Technology have strengthened their partnership relations and TMIC is the exclusive agent for key for the supply of Herbert machinery within the UK and Republic of Ireland.



From post-harvest, intake systems, washing and optical grading systems through to packhouse and process production solutions, TMIC can offer a complete range of equipment and services, from individual machinery supply to complete turnkey projects.



TMIC CONVEYOR RANGE

All our conveyors & elevators are manufactured with the following specification:

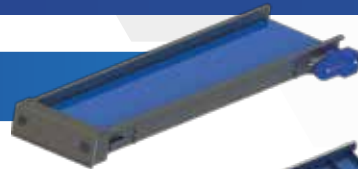
- Modular Design - allowing for speedy delivery and easier installation of longer systems
- Interlock System - for easy maintenance & cleaning
- Push Adjuster - quick & simple to tension and change tracking on the belts
- Standard drive & tail sections – For easy maintenance

“ Designed by our team for customers around the world to have an easy adjustable conveyor that limits time on maintenance and cleaning, making it cost effective and efficient for businesses ”

- John Steward, Managing Director

CONVEYOR

Available widths – 300mm, 450mm, 600mm, 750mm & 900mm
Additional widths 900mm to 1800mm in 300mm increments



ELEVATOR

Available widths – 300mm, 450mm, 600mm, 750mm & 900mm
Additional widths 900mm to 1800mm in 300mm increments



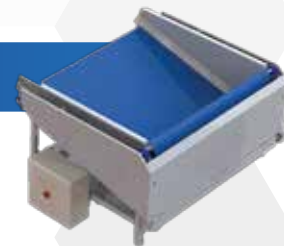
ROLLER TABLE

Available widths – 600mm, 750mm, 900mm & 1200mm



EVENFLOW

Available widths – 900mm, 1200mm, 1500mm & 1800mm



ROLLING TRACK

Available as modular sections to make up a complete rolling road for pallets or crates.

The modules can be independently controlled or part of a constant motorised track.

Available in different widths to suit different applications.

Can be fitted with specific low temperature components for operation in chilled storage environments, including freezers.

WE CAN DESIGN, SUPPLY & INSTALL ANY BESPOKE CONVEYORS TO SUIT YOUR REQUIREMENTS.



CURVED CONVEYOR

Available in various different widths and lengths to suit your requirements.

Fitted with a modular type belt for a smooth movement through the radius of the curve.

The curve can be integrated at different points in the conveyor and the radius adapted to your requirements (subject to the minimum recommended radius of the modular belt).

The curve can be fitted to the left or right hand side of the conveyor.

Additional manual or automated side feed off points can be fitted.

Z ELEVATOR

Available in various different widths and lengths to suit your requirements.

Bespoke inclined length and angle of the incline section, to suit your requirements.

Different options for longer or shorter horizontal sections.

Various belt options to suit your specific requirements.





REED PUMPKIN WASHER BY TMIC

TMIC PUMPKIN WAS

- Triple variable speed brushes
- Auger base tank for soil removal from the washer
- Powered clean pump filter



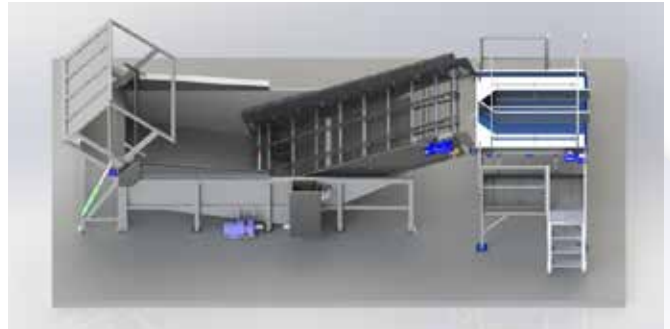
- High pressure spray wash
- Adjustable brush angle
- Takes up to 400mm pumpkins
- Capacity of 125 pumpkins per minute
- Size: Length 4500mm / Width 1250mm



HING SOLUTIONS

Wet Intake Hopper

- For gentle handling of the crop through water
- Pre-wash of normal soil and other debris
- Pre-soak of sticky soil prior to entry of the washer
- High volume throughput for a high capacity feed into the washer
- Water Jets to the rear of the tank to assist forward flow of the crop
- Continental Web Outfeed Elevator with rubber fingers to prevent roll back of the crop



Choice Of Wet Hopper In Feed Systems

Automated box tipper

- Offering a gentle tipping action
- Accepts standard 1T Wooden Crop Boxes
- Fully automated tipping sequence
- Space saving design

Lowering Cradle System

- For extra gentle pumpkin handling
- Boxes are lowered into the tank, allowing the pumpkins to float out and flow forward
- Extra powerful circulation pump fitted to the tank, for higher capacity rear water jets

Wet Hopper Out feed options

- Full width transfer belt
- Modular type belt or traditional rubber or PVC
- Inspection platform area
- Troughed singulating infeed conveyor





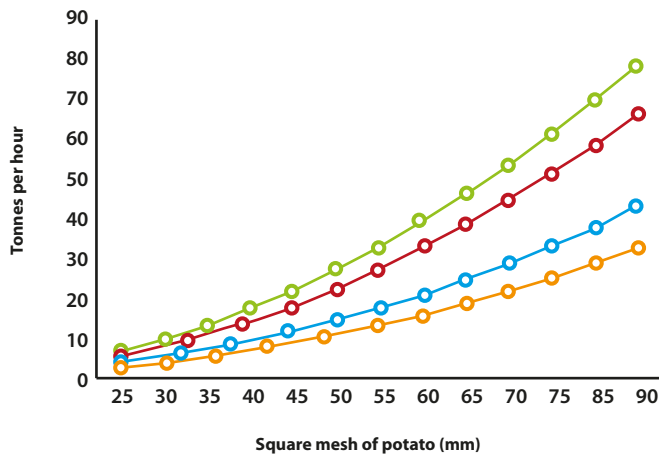
The next generation in intelligent optical sorting

OCULUS heralds the next generation in high performance, compact, optical sorters for washed and peeled potatoes.

Available in four sizes, 1000, 1300, 2000 and 2400 OCULUS' development is an exciting advance in optical sorting that delivers more accurate, more efficient, more consistent and more effective sorting. This means better quality produce for end users and lower costs for growers, packers and processors. OCULUS also provides better quality throughput, ultimate flexibility of grading, increased detection of reject produce and, importantly, better food safety.

Throughput on average size

The performance of Oculus can be calculated based on individual selection of produce being processed, with tonnes per hour accurately calculated whatever the mix of sizes.



Potato sizes

20mm - 45mm baby / new / salad
 45mm - 65mm pre packs
 60 - 80mm bakers

Processing potatoes within these ranges

○ Oculus 1000
 ○ Oculus 1300
 ○ Oculus 2000
 ○ Oculus 2400

KEY
 TECHNOLOGY
 A DURAVANT COMPANY





Improve throughput, increase quality and consistency, improve food safety and save costs...

- Up to 16 images of the surface of each individual potato
- Roller system that provides a complete 360° rotation of the tuber
- Sorts by size, shape, colour and texture of the surface
- Highly accurate grading for food safety defects, including rot, greens, scurf, mechanical damage and growth cracks
- Flexible sorting into three grades with any grade directed to any outfeed
- Outstanding gentle handling of the crop with low drop points
- High grading performance: up to 95% efficient
- Detailed data collection of grading results and throughput, with data easily exported to an Excel document
- Capable of sorting both peeled and washed potatoes
- 20% more surface area seen over typical 'cascade' sorter
- Worm hole detection capability



DESIGNED 100% WITH OUR CUSTOMERS, FOR OUR CUSTOMERS

SISTENCY • IMPROVE FOOD SAFETY • SAVE COSTS

POST HARVEST

Grader Module

High capacity,
accurate rotary
screen sizing

RANGE OF MODELS

900mm wide
1200mm wide
1800mm wide
2400mm wide



GF2 Twin Box Filler

Fast, gentle soft
filling of boxes



Contractor II

High capacity
mobile grading
systems

RANGE OF MODELS

1800mm wide
2400mm wide

EQUIPMENT

Star Cleaner

Efficient
separation of
clods and soil
from produce

RANGE OF MODELS

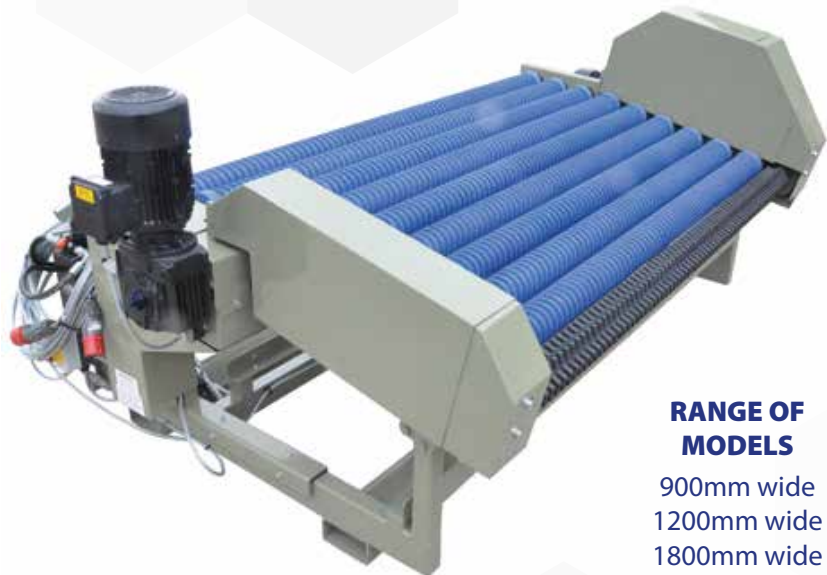
900mm wide
1200mm wide
1800mm wide
2400mm wide



Coil Cleaner Plus Produce cleaning system

The Coil Cleaner Plus spiral cleaner moves the crop continuously, separating loose soil, clods and small potatoes from the main crop.

- Gentle cleaning for delicate crop surfaces
- Ultimate flexibility with split drive system
- Simple easy adjustment mechanism
- Highly effective cleaning action



RANGE OF MODELS

900mm wide
1200mm wide
1800mm wide
2400mm wide

HERBERT PACK

HIGH ANGLE BOX TIPPER



STANDARD FEATURES

- 160° rotation to give positive emptying of boxes
- Up-rated hydraulic system giving gentle controlled flow emptying of up to 30 tip cycles per hour
- Fully automated tipping sequence
- Empty box ejected sideways onto awaiting platform (optional)
- 0.75 tonne holding hopper/conveyor with auto-variable flow rate to ensure smooth delivery of crop
- Reduction in box handling prevents premature wear on boxes
- Cross matrix light curtain safety system
- Standard unit capable of handling up to 1.1m high boxes
- Space saving design (ejection of empty box in same vertical plane as full)

WET RECEPTION HOPPER

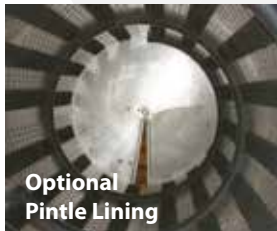


STANDARD FEATURES

- Both mild and stainless steel construction available
- A capacity range from 5TPH per hour to 50TPH per hour
- Web delivery elevator to drain excess water
- Integrated spray bar for fresh or recycled water rinse
- Sensing system to prevent overfeed

HOUSE RANGE

BARREL WASHER



**Optional
Pintle Lining**



**Optional
Driven Auger Base**



**Unique Smooth
Surface Spiral**

Barrel Length	TPH
2M Barrel	5.5 - 8
3M Barrel	8 - 15
4M Barrel	15 - 30
5M Barrel	30 - 50
6M Barrel	50 - 80



(Model shown with
optional Auger Base)

STANDARD FEATURES

- Stainless steel access doors to barrel with safety locks and gas struts to assist opening
- Split bearings on top shaft for easy maintenance
- 'D' mould rubber spiral in barrel
- Auto lubrication on elevator bearings
- Access hatches to both sides of tank for internal maintenance
- Stainless steel barrel 4mm thick punched and recessed hole for potatoes and a slatted barrel for carrots/parsnips
- 87mm triple ribbed drive belts

INTEGRAL DESTONER



**Efficient separation of
stones from produce at
capacities of up to 35 TPH**



STANDARD FEATURES

- High capacity and robust solids handling pump
- 600 mm wide durable rubber chevron cleated elevator belt to handle stones
- Shared water supply from washer reducing overall water usage
- Simple valve adjustment to fine tune stone removal
- Mild steel or stainless steel construction available
- Quick releasing door for cleaning and access to tail of elevator
- Open impellor pump which does not require filters

ROLLER DRIER

RANGE OF MODELS

900mm wide
1200mm wide
1500mm wide

STANDARD FEATURES

- Wrapped felt or sponge disc roller options
- Direct drive to each roller with no chains or sprockets, reduces overall maintenance (optional)
- Catchment tank for waste water and debris
- Soft start system for all rollers with motors wired to a central control panel Pintle roller for initial de-watering
- Stainless steel contact sides for low maintenance and easy clean
- Rollers can be replaced simply and quickly
- Hydraulic lift mechanism gives easy access for maintenance and cleaning (optional)

LIFT ROLLER GRADER

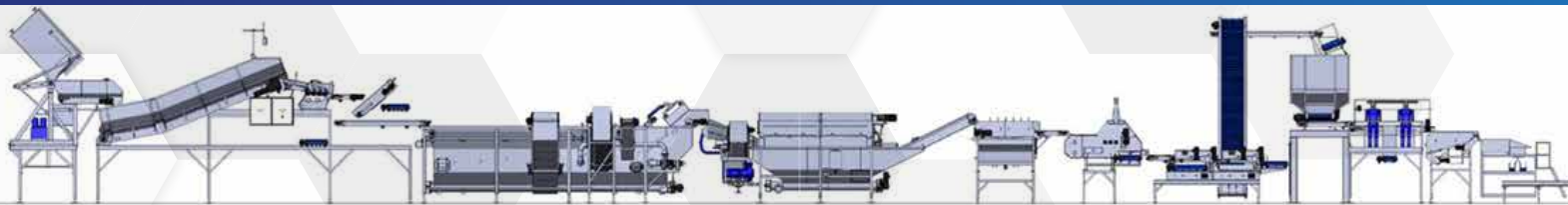
RANGE OF MODELS

1200mm wide
1800mm wide
2400mm wide
3000mm wide

STANDARD FEATURES

- High output grading for a wide range of produce
 - Capacity up to 50 tonnes per hour
 - Quiet operation due to simple design
 - Stainless steel rollers
- Multiple grades within a compact footprint
- Variable speed roller bed using inverter control
- Easy adjustment of grades by simple hand jacks
- Roller size and chain pitch to suit sizing application
- Spool roller option for grading round produce
- Strong and robust construction to ensure reliability and longevity

OUR RANGE OF MACHINERY INCLUDES;



- **TMIC Modular Conveyors and Elevators**
- **Box and Big Bag Filling Equipment**
- **Mechanical Size Grading Equipment**
 - **Soil and Top Removal Systems**
 - **Farm Grading Equipment**
- **Intake and Even-flow Hoppers**
 - **Wet Reception Hoppers**
 - **Destoning Equipment**
 - **Barrel Washers**
 - **Roller Driers**
 - **Roller Inspection Tables**
 - **Optical Electronic Sorting**
- **Box and Big-Bag Filling Equipment**
- **Storage Bunker Solutions**





TMIC

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DESIGN > BUILD > INSTALL > SUPPORT



Cleaning



Grading



Conveying



Tipping



Washing



Sorting



End of line



Service
& Parts