

Hellenic Auto-OCM

Automated weigh, label & apply
system for boxes & crates



The Hellenic TS8001 Auto-OCM System is configured to suit your individual requirements, using grade 304 Stainless Steel construction to meet the highest hygiene standards.

The system interfaces with Hellenic Systems FOPS8 software application to allow automated labelling and traceability of your production line and much more.

Adaptable, reliable, ultimate performance

The Hellenic Auto-OCM system is an ideal automated weighing & labelling solution, fully integrable with Hellenic Line Verification and/or Theia Vision systems into a full factory system with the benefits of the FOPS System.

The Auto-OCM is configurable, so you can choose from a wide variety of options:

- *Conveyor ranges/specifications designed to suit your requirements*
- *System integration/upgrade possibilities*
- *Label printer options based on application method/location*
- *Barcode verification option available*
- *Optional extras for operator ease of use*
- *Fully configurable software possibilities including bespoke modifications*

All systems are supplied with our warranty cover, so should you need assistance a member of our knowledgeable support team will be on hand to provide their expertise including remote support. Following the conclusion of the warranty period, a support contract proposal can be offered so the system is covered.

Auto-OCM System Construction

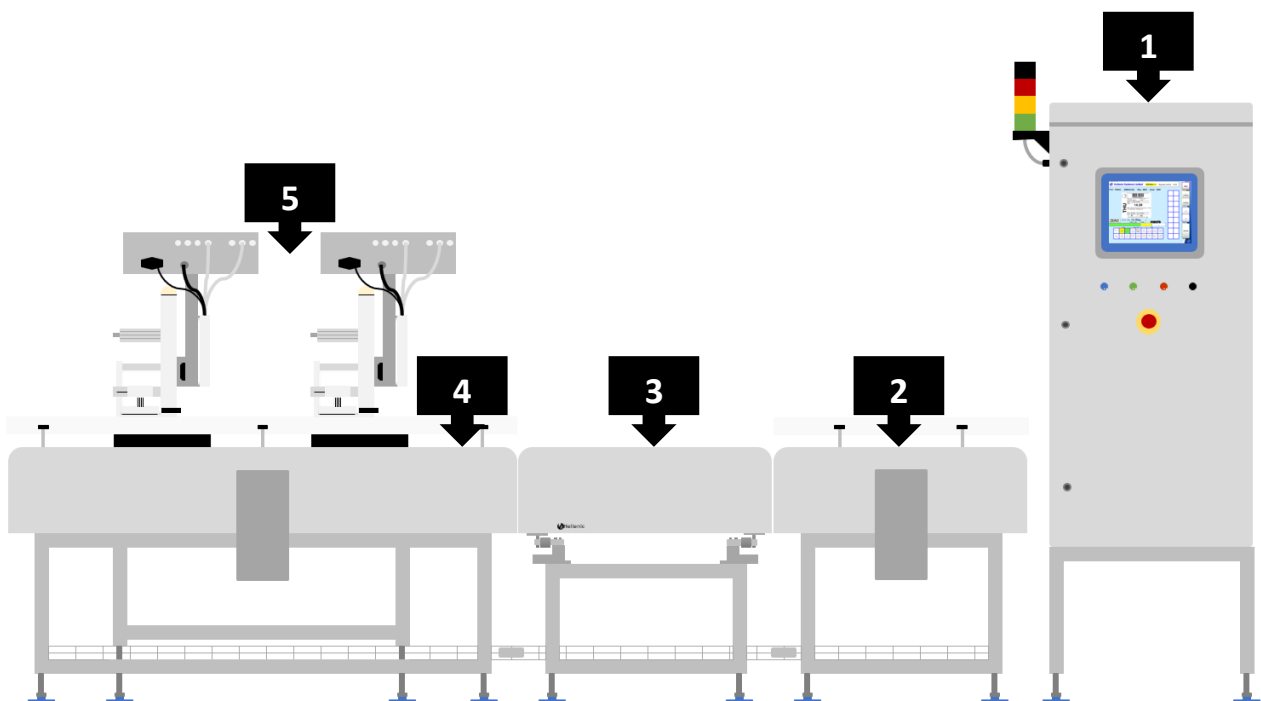


Image shows right to left product flow

- 1, Hellenic Control Panel
- 2, In-Feed Conveyor
- 3, Weighing Conveyor
- 4, Out-Feed Conveyor
- 5, Domino Print & Apply

Technical Specifications

The Auto-OCM System has been designed to provide ultimate performance, reliability and adaptability to meet current demands, incorporating a three-conveyor design with single or dual print & apply printers/applifiers.

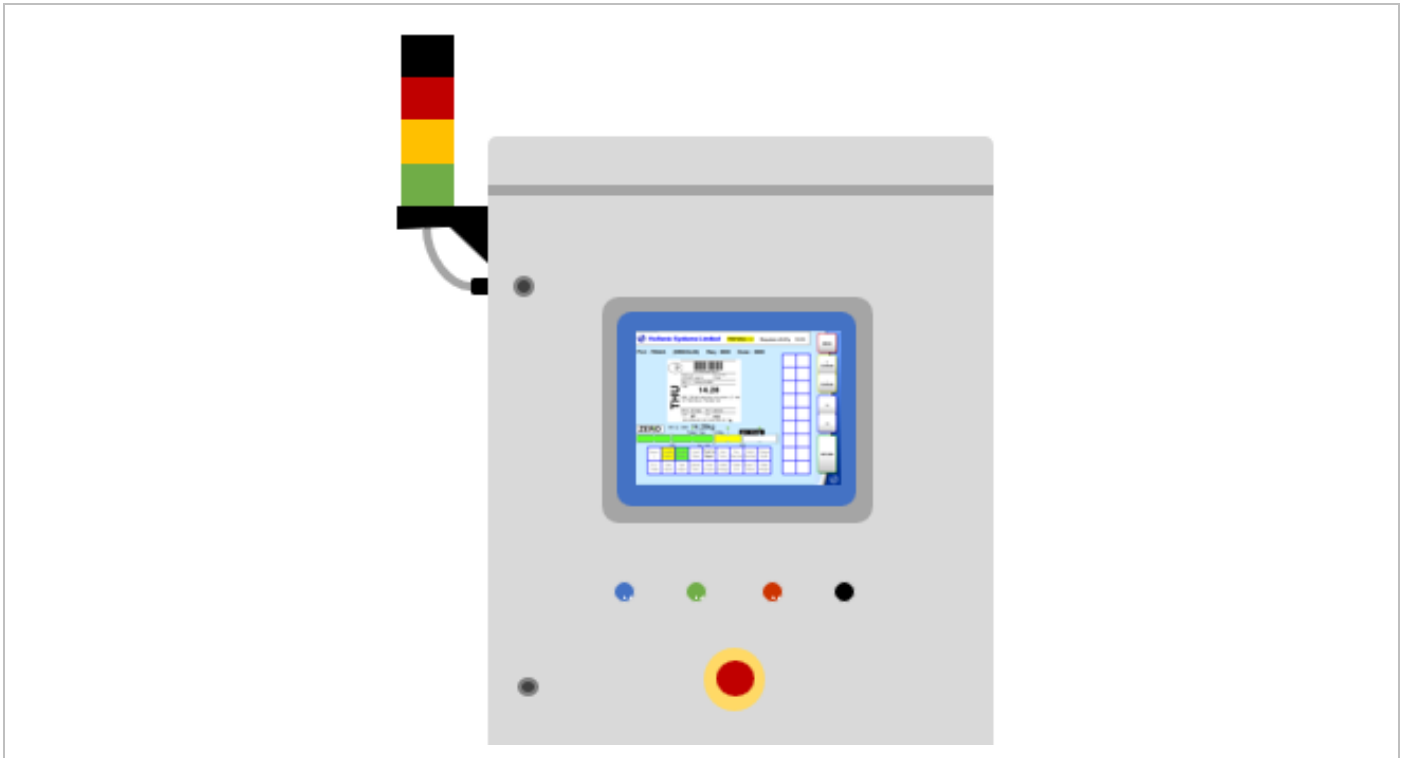
Auto-OCM Control Panel

The Auto-OCM control panel is a RISC based general purpose touch screen control panel developed within Hellenic Systems, and uses our current range of touch screen technology and incorporating a programable logic controller.

The Requiem operating system application has been developed to meet the requirements of the food industry, and as such it is very adaptable in a variety of configurations and roles to meet current demands.

Control Panel Specification

Auto-OCM Control Panel	12.1" Resistive touch screen including protective overlay
	12.1" LED backlit SVGA LCD panel
	Hellenic ARM Rev9.0 main board running Requiem v9 operating system
	Integrated CSW-20 weight indicator
	Programable logic controller
	Audio/Visual status beacon
304 grade stainless-steel construction	



Hellenic Auto-OCM Control Panel

The Auto-OCM system operates using three conveyors for moving product, In-Feed, Weighing and Out-Feed (label applying). Photoelectronic sensors monitor product movement, to initiate in motion weighing and label print & application.

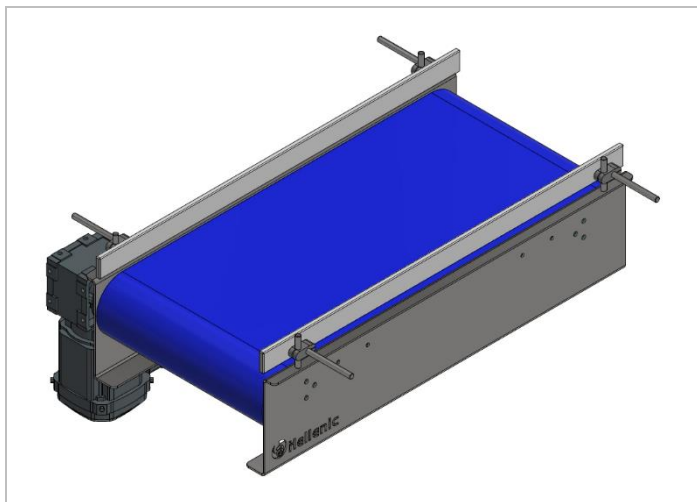
In-Feed & Out-Feed Conveyors

The In-Feed and Out-Feed conveyors are manufactured from 304 grade stainless-steel with a polypropylene modular belt, motor, motor cover and integral guide rails (design subject to printer type).

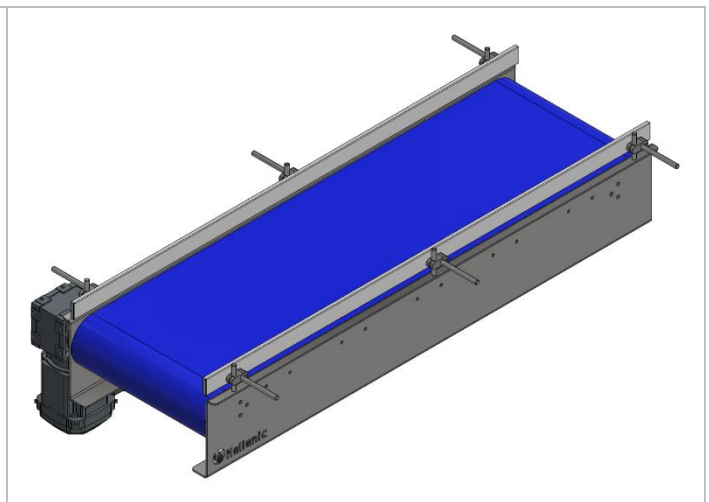
The conveyors are mounted on a stainless-steel frame to a desired working height, and incorporate adjustable feet.

In-Feed & Out-Feed Conveyor Specifications

Hellenic In-Feed Conveyor	Full stainless-steel construction
	Drive motor including cover
	Integral guide rails
Hellenic Out-Feed Conveyor	Stainless-Steel conveyor frame including adjustable feet
	Full stainless-steel construction
	Drive motor including cover
	Integral guide rails
	Stainless-Steel conveyor frame including adjustable feet



Hellenic In-Feed Conveyor



Hellenic Out-Feed Conveyor

The weighing conveyor allows for accurate in motion product weighing, utilising four anti-vibration mount load cell kits that provide accurate weighing time and time again.

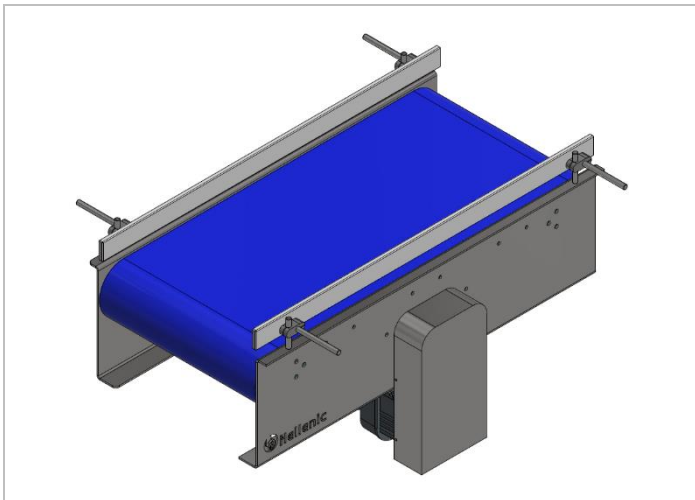
Weighing Conveyor

The weigh conveyor is manufactured from 304 grade stainless-steel with a polypropylene modular belt, central under slung motor, motor cover and integral guide rails. The design also incorporates anti-vibration load cell mounting kits to allow in motion weighing of product.

The conveyors are mounted on a stainless-steel frame to a desired working height, and incorporate adjustable feet.

Weighing Conveyor Specifications

Hellenic Weigh Conveyor	Full stainless-steel construction
	Central under slung motor including cover
	Integral guide rails
Anti-Vibration Load Cell Mounting Kits	Stainless-Steel conveyor frame including adjustable feet
	T66 C3 stainless-steel load Cells
	Accuracy Class: 3000 divisions
	Environmental Protection: IP68/IP69K
	LA66 stainless-steel mounting kits with elastomeric anti-vibration pads



Hellenic Weigh Conveyor



Anti-Vibration Load Cell Mounting Kits

The Auto-OCM utilises the Domino Print & Apply unit, they are available in 4" & 6" print width with varying placement options depending on label application. The Auto-OCM system supports dual Print & Apply units for alternative printing or redundancy during media supply change.

Domino Print & Apply

The printers can perform **direct thermal printing** on special heat-sensitive media or **thermal transfer printing** on special ink-coated ribbon.

Thermal printing is the perfect choice when the labels are used in controlled environments and simple applications where the products have a short lifespan, while **thermal transfer printing** will last longer, and is less vulnerable to external influences such as sunlight, chemicals, abrasion, and environments with high humidity.

Domino Printer Options

Domino M230i-S4	Print Width: 108mm (4") or 162mm (6")
	Print Technology: Direct Thermal/Thermal Transfer
	Resolution: 12dots/mm (300dpi)
	Orientation: Left hand or Right hand
	Label/Ribbon Lengths: Up to 600m
Domino M230i-SP4	Distance to Product: Up to 270mm
	Print Width: 108mm (4") or 162mm (6")
	Print Technology: Direct Thermal/Thermal Transfer
	Resolution: 12dots/mm (300dpi)
	Orientation: Left hand or Right hand
Domino M230i-T4	Label/Ribbon Lengths: Up to 600m
	Distance to Product: Up to 270mm
	Print Width: 108mm (4") or 162mm (6")
	Print Technology: Direct Thermal/Thermal Transfer
	Resolution: 12dots/mm (300dpi)
Domino M230i-T4	Orientation: Left hand or Right hand
	Label/Ribbon Lengths: Up to 600m
	Distance to Product: Up to 560mm



Domino M230i-S4

Domino M230i-SP4

Domino M230i-T4

A barcode verification option is available to verify the barcode quality, and label application. With 1D and 2 D support the verifier can check label application and barcode print quality and stop the line if an issue has been detected.

Barcode Verification

A high performance fixed-mount 1D/2D ID reader, flexible optics and lighting with intelligent tuning and express setup.

Advanced Ethernet connectivity with support for serial RS-232 and I/O, as well as advanced options for lighting and optics. Packaged in a rugged, IP65-rated housing, and provides numerous ease-of-use features.

Barcode Verification Specifications

Cognex DataMan 360 Series	High performance 1D and 2D ID reader
	Intelligent tuning and express setup
	Class 2 Laser Product 650nm <1mW
	1/1.8 inch CMOS Image Sensor
	1280 x 1024 Image Resolution (pixels)
	Electronic Shutter Speed
	Min exposure: 5 μ s – Max exposure: 1000 μ s with internal illumination Image Acquisition at Full Resolution up to 60 fps



Cognex DataMan 360 Series

To prevent unwanted access to the terminal configuration/setup, user access control via RFID readers can be added to the terminal to prevent operator tampering.

User Access Control

A range of RFID reader options are available, allowing user access control to the terminal.

The range of RFID readers covers many different RFID cards, fobs, tags, and with bespoke software modifications the access control can be tailored to suit your requirements and include access control logging to monitor user access.

RFID Reader Options

PTI Premium EM	Radio Frequency: 125KHz
	Supported Devices: 40-bit read only transponders
	Reading Range: 80mm to 160mm (card/fob dependant) Supplied inside 160 x 80 x 55mm reader enclosure
Nortech Legic	Radio Frequency: 13.56MHz
	Supported Devices: ISO15693 and ISO 14443A standards (plus LEGIC Prime)
	Reading Range: Up to 100mm (card/fob dependant) Supplied inside 160 x 80 x 55mm reader enclosure
HID ProxPro	Radio Frequency: 125KHz
	Supported Devices: HID Proximity/MIFARE, MicroProx, ProxCard II/Plus, ProxKey II, Smart/ISOProx II
	Reading Range: 75mm to 200mm (card/fob dependant) Supplied inside 160 x 160 x 55mm reader enclosure
RFIDeas PC Enrol	Radio Frequency: 125KHz or 13.56MHz
	Supported Devices: Supports nearly all card types worldwide
	Reading Range: Up to 100mm (card/fob dependant) Terminal mount



PTI Premium EM



Nortech Legic



HID ProxPro



RFIDeas PC Enrol

Enclosures & Mounting Options



PTI/Nortech Enclosure



HID ProxPro Enclosure



RFIDeas Terminal Mount

Conversions

It is possible to convert existing Auto-OCM systems to a Hellenic Auto-OCM system, or utilise existing conveyors to be integrated into a Hellenic Auto-OCM system.

For bespoke Auto-OCM systems or conversions please contact us to discuss your requirements.

Auto-OCM Conversion

Utilising the existing on-site conveyors, the system is converted to a Hellenic Auto-OCM with the addition of the Hellenic control panel/terminal and Domino print & apply solution. Providing automated weighing and labelling with traceability of your production line and much more.

Auto-OCM Hellenic Conversion



3 x Conveyor Auto-OCM System Hellenic Conversion



**DELIVERING INNOVATIVE & COST-EFFECTIVE SOLUTIONS
TO THE FOOD INDUSTRY SINCE 1988**

Contact Hellenic Systems Ltd today and speak to our sales team to find out how we can be of assistance to your company.



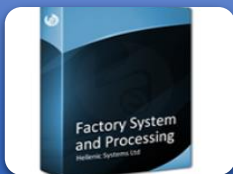
HARDWARE

- Terminals, Printers, Scanners, PDCU's



SERVICE/SUPPORT

- Software, Hardware & Service Support



SOFTWARE

- Kill Line, FOPS, Recipe, WHMS

Software Support Issues: support@hellenic.co.uk

General/Sales Enquiries: sales@hellenic.co.uk

Hellenic Systems Limited
73-75 Haltwhistle Road
South Woodham Ferrers
Essex, CM3 5ZA
Phone: +44 (0)1245 325 753

