

# COMPANY INTRODUCTION DOCUMENT

## LVP Company Profile

As an engineering company LVP was born in 1975 as Leisure Vehicle Products. We quickly found success as a conveyor manufacturer and from humble beginnings continued to grow by putting the customer first.

Our product range has expanded over the years to allow LVP to be recognised as an experienced system supplier and system integrator. From a simple gravity roller conveyor to a sophisticated PLC controlled robotic pick and place system we can supply, service and install the complete project including the provision of project management. Whether you are looking to move 35g bottles or 500kg pallets LVP Conveyor Systems have the knowledge and products to successfully offer you a solution. From the Carryline slatband conveyors, of which we are exclusive distributors, through to a fully controlled palletising system LVP is in a position to provide solutions to all your needs and include complete software integration.

LVP Conveyor Systems support our own team of engineers, installation crew and software engineers who can program robots and provide control systems.

We still believe that each customer and project we have is unique. As a result in order to achieve the best end result we engage with the customer and visually simulate the system before it is built by means of solidworks 3D drawings. We also insist on testing product on our conveyors and provide FAT's where necessary. This philosophy has continued with the company and resulted in the expansion of our customer base throughout Ireland and UK.

Thank you for the opportunity to put forward this proposal to you, if you have any questions please contact myself or my team to discuss this in more detail.

Yours sincerely,



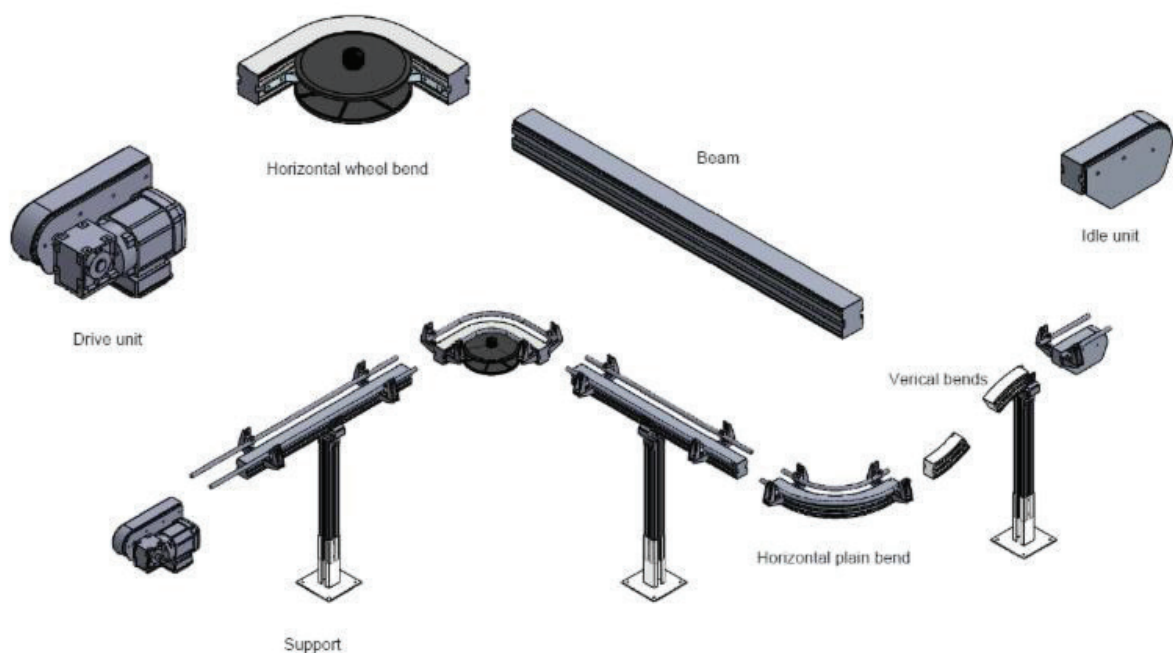
(founder of LVP)



## Our Services

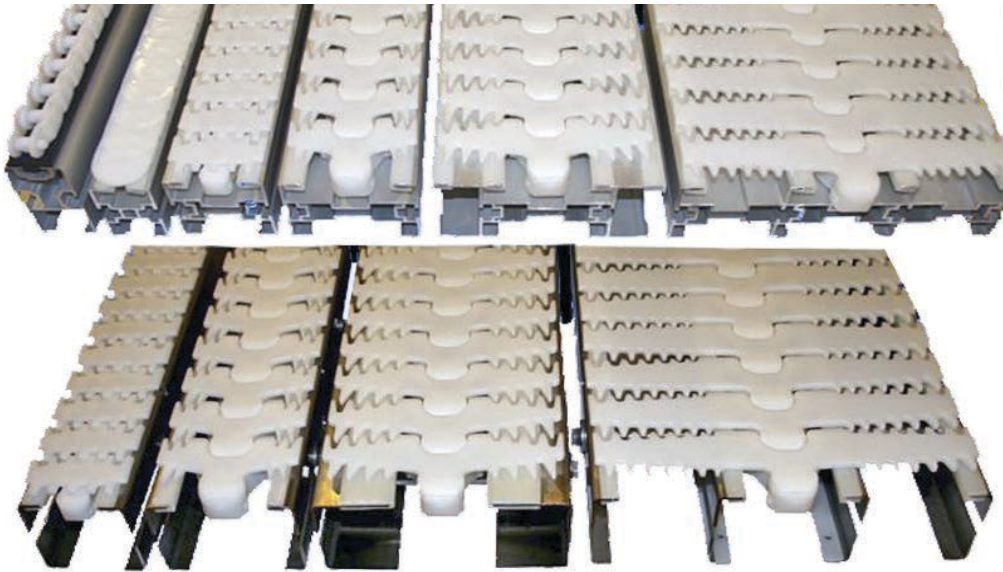
- Full turnkey suppliers and installers of conveyor and automation equipment
- General purpose automation engineering, to include pick and place, robotic, pushers, indexing conveyors, accumulation and vision systems.
- Allen bradley plc programing using CCW and RSlogix studio 5000, factory talk view. Scada, mitsubishi, omron and siemens PLC programming capabilities using ladder logic or sequential flow chart methods
- Electrical on site fault finding of various automation systems
- Electrical panel building
- On site repair and maintenance
- Electrical motor sizing, selection and after sales support
- 3D in house design systems and consulting engineering
- Conveyor and automation simulation packages
- Documentation to include Risk assessments, FDS, SDS, IQ, OQ etc
- Spare parts and accessories
- Belting for various applications
- Conveyor / Automation line upgrades

## Our Brands





Modular aluminum Slat band conveyors. Originating from and manufactured in Sweden, LVP Conveyor systems Ltd are the Irish and UK distributor for Carryline conveyors. We build all our conveyors in house in our Dublin workshop and carry out full factory installations. Aluminium and stainless steel profiles available

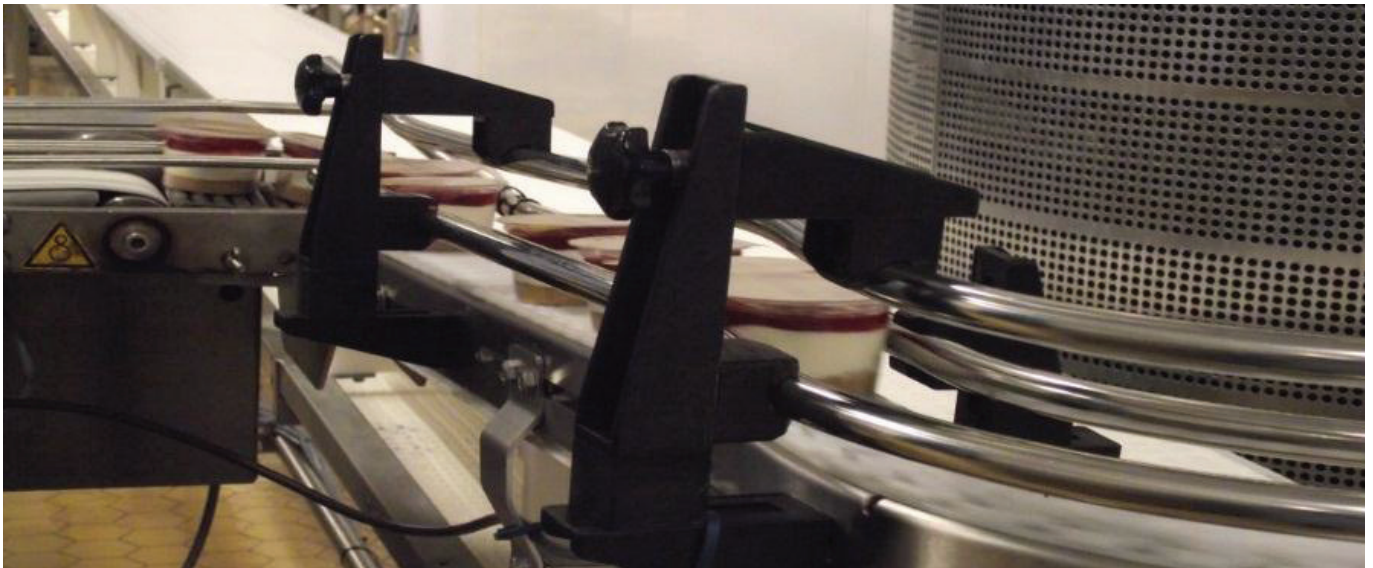


### Case Studies:

#### Dairy applications

Carryline stainless steel slat conveyor transport system for a yogurt processing plant in the UK and a milk plant in Sweden.

- Wash down environment
- 70 products per minute





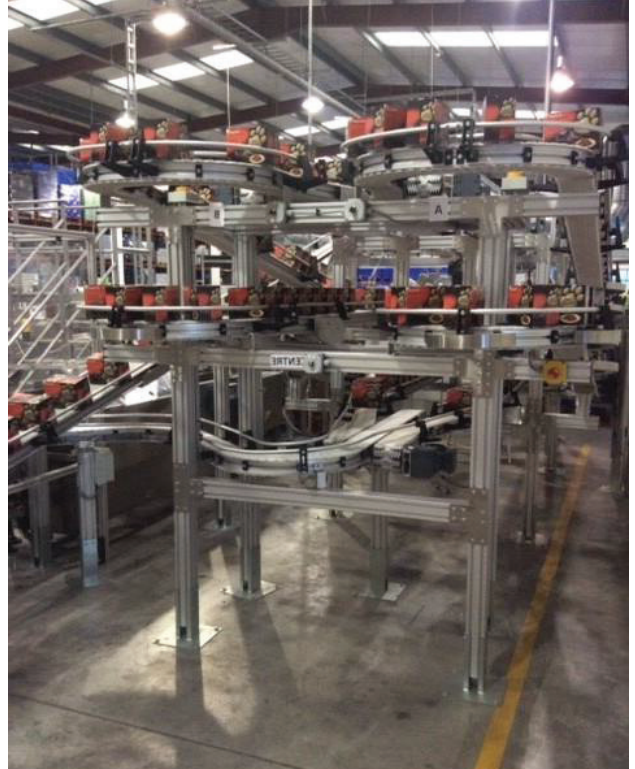
## Food applications

Carryline aluminium slat conveyor buffer system for a food plant in Ireland.

- 40 products per minute
- Designed to build 4 minutes of buffer accumulation into the line



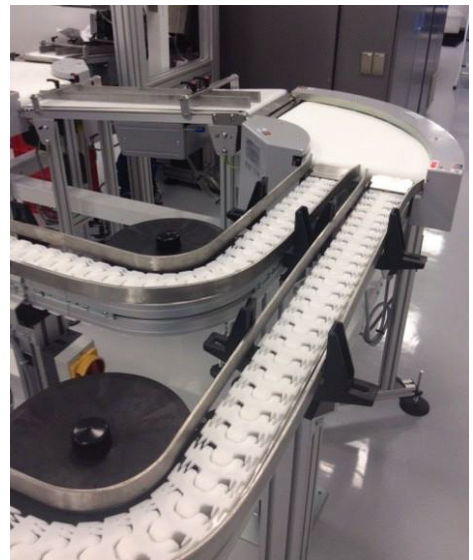
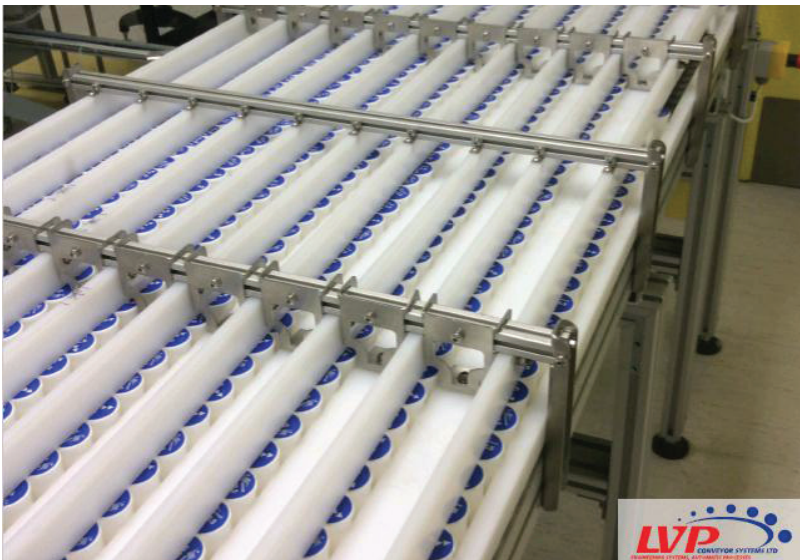




## Pharmaceutical applications

Carryline aluminium slat conveyor buffer system for a food plant in Ireland.

- 180 products per minute
- Designed to hold buffer storage of 4,000 products on the line FIFO.



## Carryline Spiral Conveyor Applications



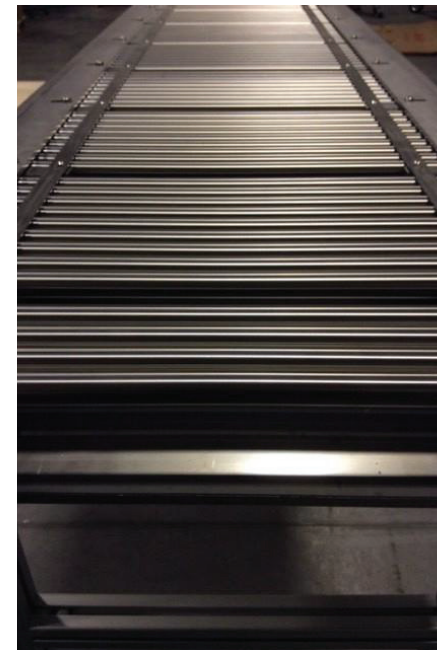
Spirals make continuous vertical transportation possible





## Powered Roller Conveyor applications

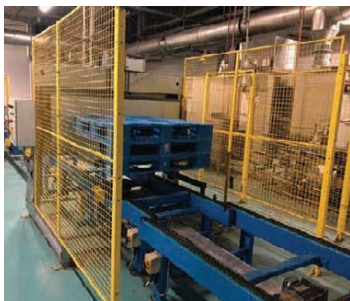
Powered roller conveyor lines various applications Ireland & UK





## Pallet Conveyors applications

Pallet conveyor lines various applications Ireland & UK



## Aluminium mini belt conveyor applications

Okura mini belt conveyor range "Belcon mini"

- Brushless DC drive options
- 1 gearbox allows a speed range of 0-50 meters per minute



The Belcon Mini Series is comprised of compact and easy-to-carry mini-belt conveyors. The series is ideal for conveying between processes, also can be used in an assembly line as a feeder or as an optional conveyor for the mechanical equipment. A guideline for transfer capacity is 10kg / unit.



**BMK** Cleated Belt Type Conveyor



**BMK** Knife Edge Type Conveyor



**BMK** Roller Edge Type Conveyor



**BMG** Guided Belt Type Conveyor



**BMG** Guided Belt Type Conveyor



**BME** Drive Section With Removable Type Belt Conveyor



**BMT** Telescopic Type Conveyor



**BNC** Curved Belt Type Conveyor



**BHH** Head Drive Non Wandering Drive Type Conveyor





## Stainless steel mini belt conveyor applications

### Okura mini belt conveyor range "jabucon"

**Jabucon series:** Smart, clean and waterproof. Jabucon conveyors have an all-stainless body, and a drive section protected by a cover. The conveyor body can be rinsed with water to wash off fouling by cargo, so this conveyor is perfect for industries like food, agriculture, marine products and chemicals.

**JFE Quick Removable Belt Type Conveyor**



Jabucon Series is ideal for the food Processing, Pharmaceutical, Chemical, Health Care, Agriculture and Fish Industries, where hygiene standards are of paramount importance. The main body is constructed of stainless steel and the drive section is protected by a waterproof cover. The electrics conform with IP65 Standards. The Jabucon Series is available in a variety of models including incline, knife edge, toughing and curved conveyors. The belt can be removed and replaced in 30 - 40 seconds.

**JCB Curved Belt Type Conveyor**



Series is ideal for the Food Processing, Pharmaceutical, Chemical, Health Care, Agriculture and Fish Industries, where hygiene standards are of paramount importance. The main body is constructed of stainless steel and the drive section is protected by a waterproof cover. The electrics conform with IP65 Standards. The Jabucon Series is available in a variety of models including incline, knife edge, toughing and curved conveyors.

**JBM Standard Type Conveyor**

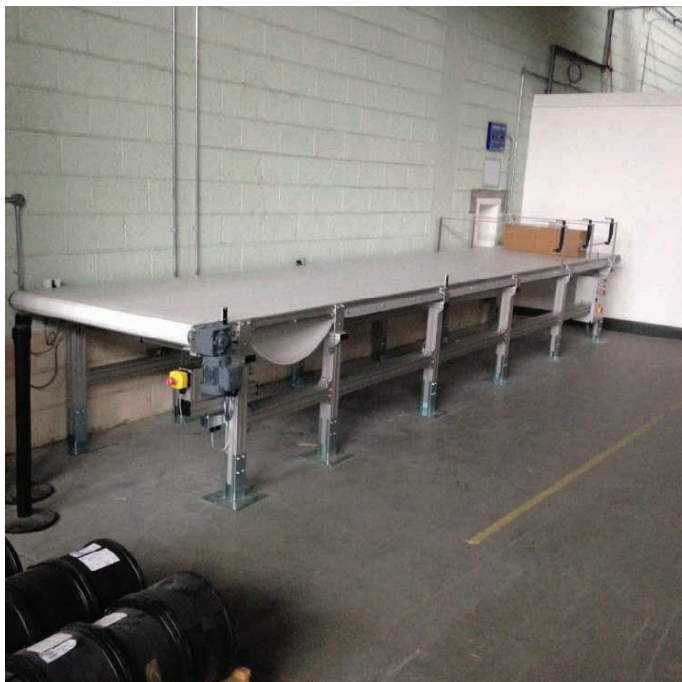


Series is ideal for the Food Processing, Pharmaceutical, Chemical, Health Care, Agriculture and Fish Industries, where hygiene standards are of paramount importance. The main body is constructed of stainless steel and the drive section is protected by a waterproof cover. The electrics conform with IP65 Standards. The Jabucon Series is available in a variety of models including incline, knife edge, toughing and curved conveyors.



## Modular belt conveyor applications

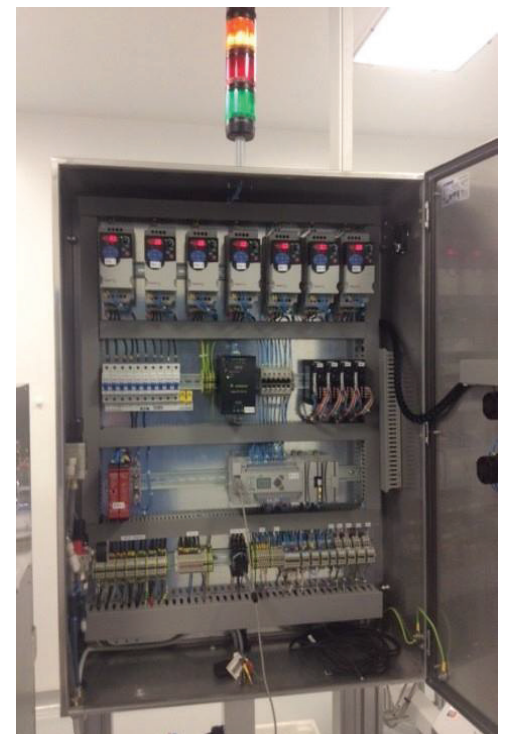
LVP Stainless steel modular belt conveyors Ireland





## Control Panels and automation applications

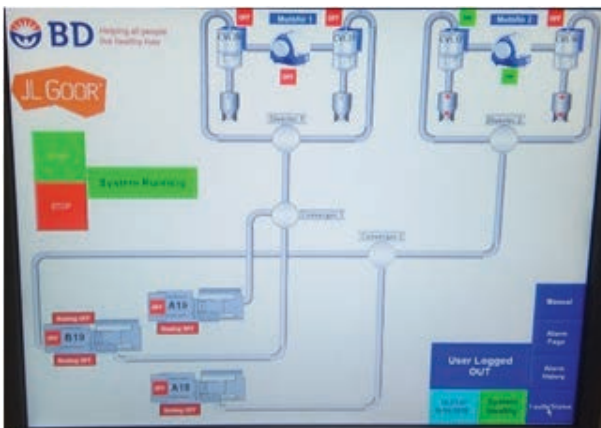
LVP control panels incorporating HMI's, PLC's, and Modbus systems



## Automation capabilities

LVP have the capability to develop Overall equipment efficiency (OEE) real time analytic data monitoring systems. The information for these processes is displayed on panel view HMI's and we can develop user log in functions along with any critical data requirements.

Home screen



User Login

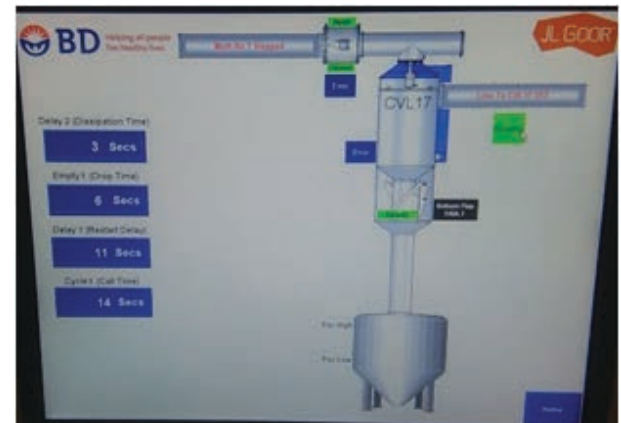
The User Login screen features a login form with fields for 'Username' and 'Password'. There are 'Login' and 'Logout' buttons. The screen also displays 'User Logged OUT' and 'Log In' buttons at the bottom.

Alarm History

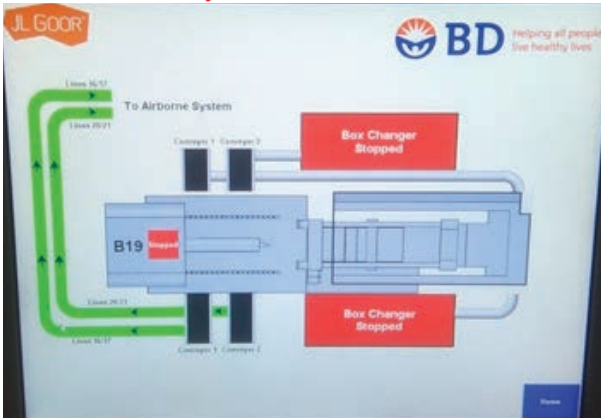
The Alarm History screen displays a list of alarms. The table below shows the data presented on the screen:

Timestamp	Alarm Description
14/06/2018 14:20:42	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	Conveyer 1 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 1 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 2 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 2 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	CVL 17 Alarm: The Flap Full (Possible product jam) Possible for loss
14/06/2018 14:20:43	Conveyer 1 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 1 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 2 Alarm: Check Drive status locally. Possible for loss or product jam
14/06/2018 14:20:43	Conveyer 2 Alarm: Check Drive status locally. Possible for loss or product jam

Device Status



System Status



Point IO modules being tested before install





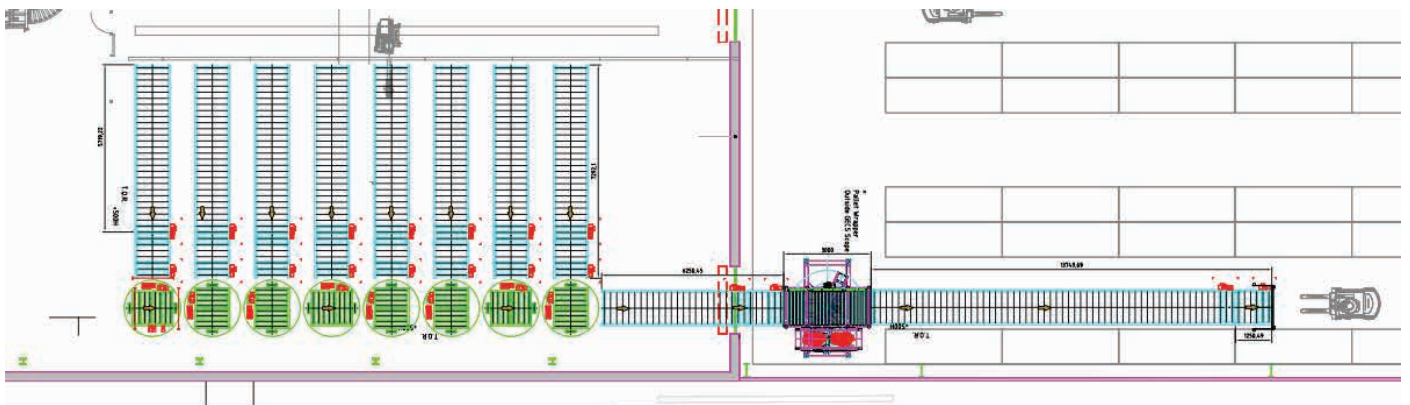
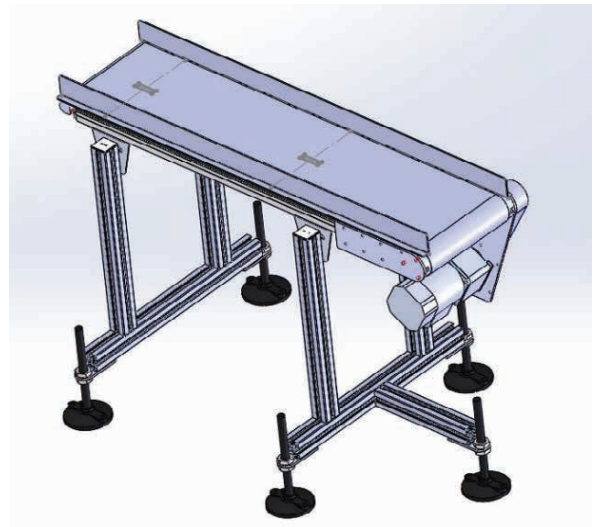
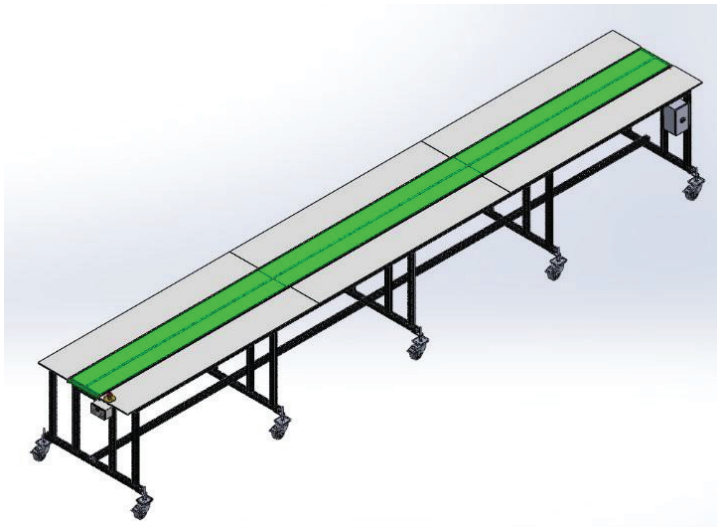
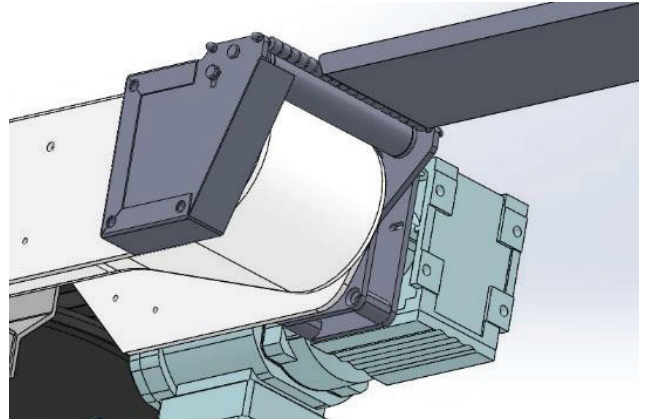
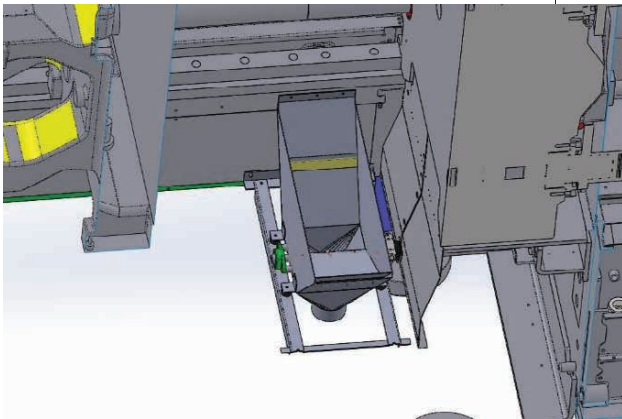
## Oriental Motors

LVP Conveyor Systems Ltd are the trusted Irish agents for Oriental motor UK products. We size, select and distribute any required motors for customers on the island of Ireland for Oriental motor UK. We focus largely on the advantages of using Brushless DC motors and closed loop Stepper Motors with absolute encoders in place of induction motors and servo motors for any application that requires as such.



## Design capabilities

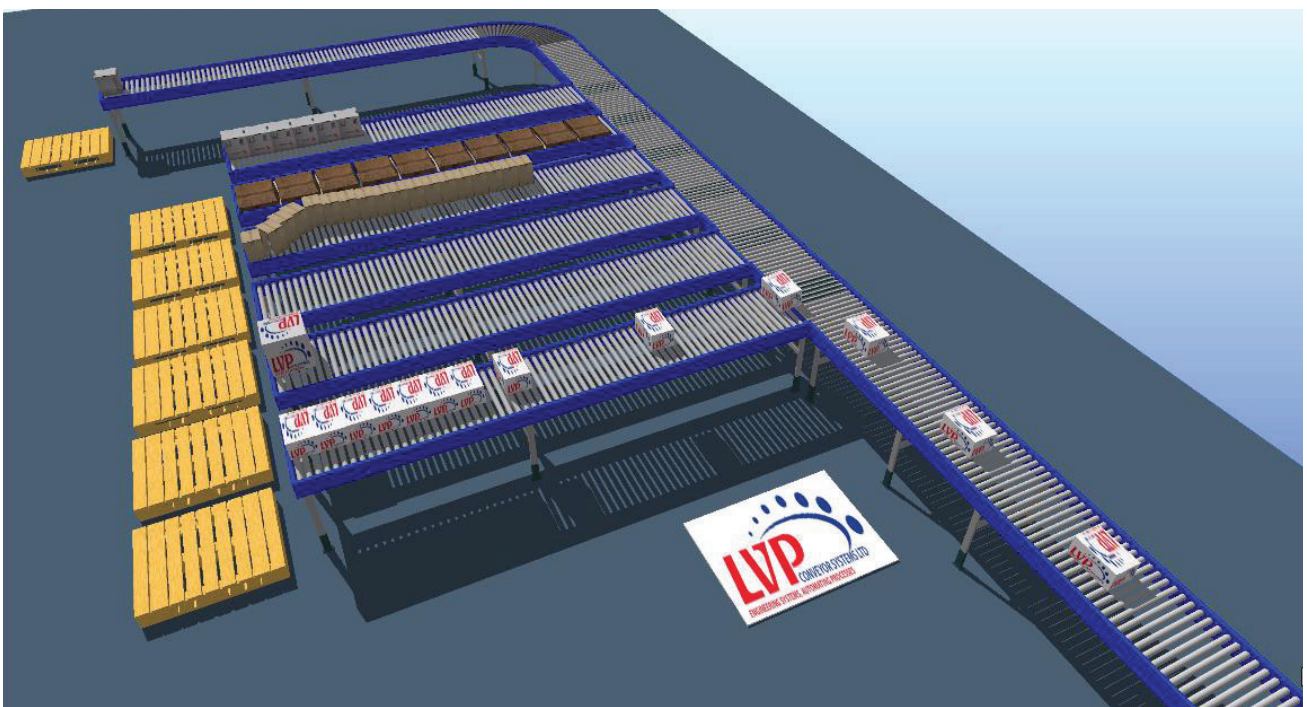
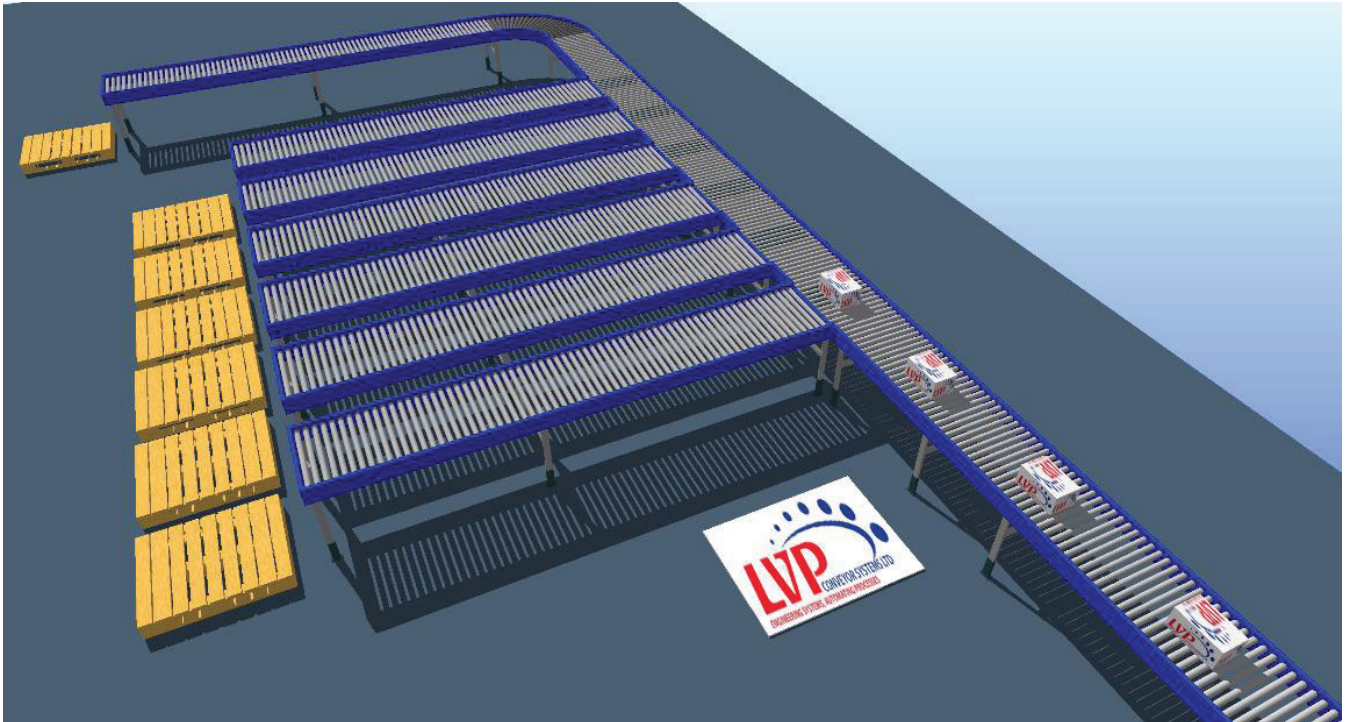
LVP 3d and 2d snapshots for sytem designs



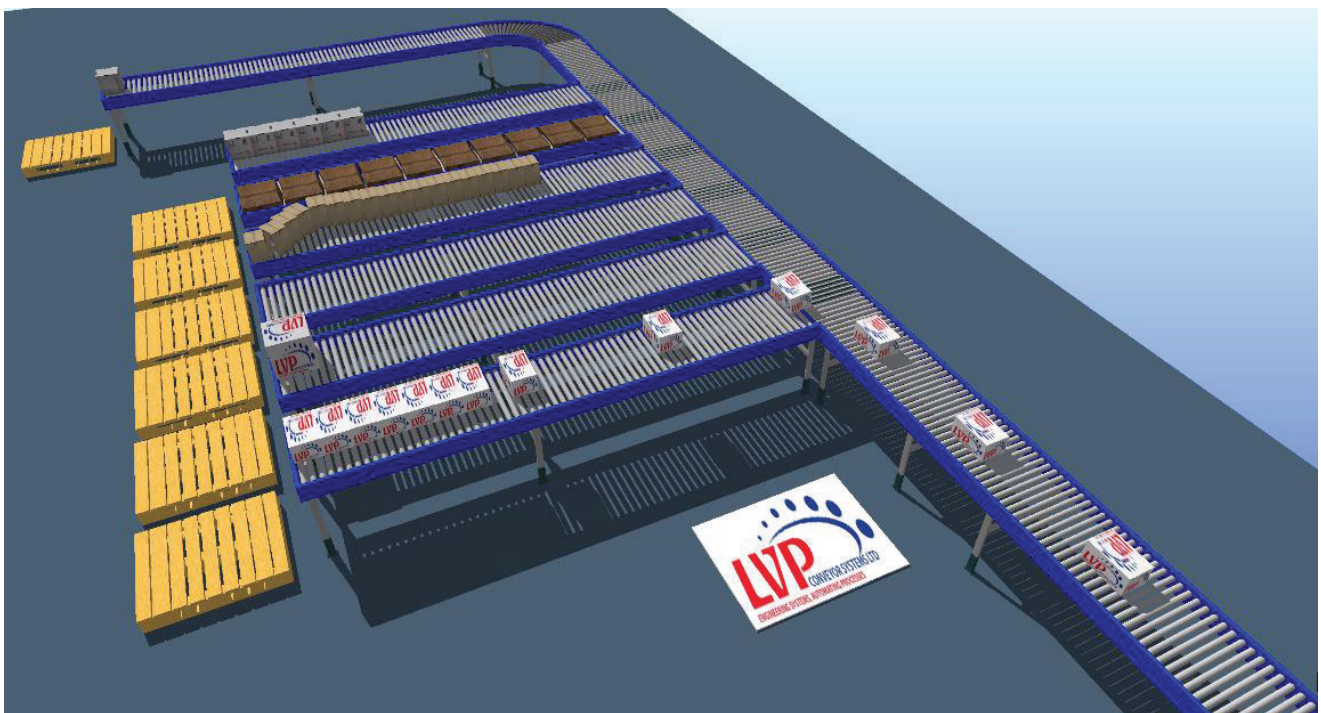
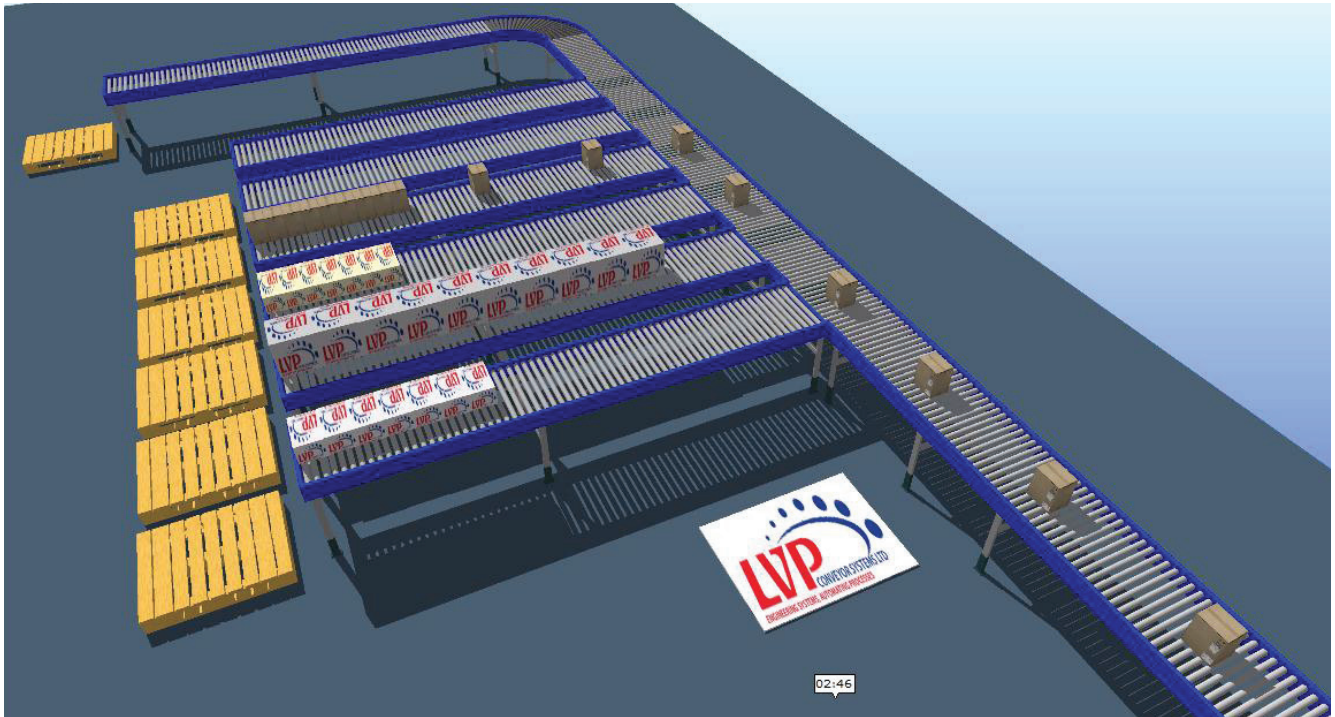




## Video Simulation Capabilities









LVP Conveyor Systems Ltd  
Unit D2, North City Business Park, Finglas  
Dublin 11, Ireland.  
01-8643838  
[www.conveyors.ie](http://www.conveyors.ie)  
[www.lvpconveyors.co.uk](http://www.lvpconveyors.co.uk)