

Complete Automation Solutions.

Efficiency in motion.





Automation & eCommerce Specialists

Conveyor Systems Limited (CSL) was formed in 1997 from an automation background, and has since strived, through innovation and excellence to become a leading systems integrator, delivering multi-million pound projects.

We have vast experience in providing materials handling & automation solutions across warehouse, fulfilment centres and factory environments.

Our philosophy is to provide our clients with a full turnkey service, allowing CSL to deliver the best solutions possible. CSL will provide the same service & approach to each project, regardless of scale or size.

Whether a conveyor system requires a simple PLC control function or a full WMS / WCS integration package, the level of support and delivery remains the same.

This approach and our attitude towards customer service has enabled us to gain new and repeat business providing growth and sustainability.



Visit our website



cslautomation.co.uk

Our conveyor systems are used within many industry sectors including:

- Warehouse, Distribution, Logistics
- Ecommerce/Fulfilment
- Food and Drink
- Pharmaceutical
- Factory/Production Line
- Chilled/Cold Store Environments
-

In applications such as:

- Simple product transit
- Sortation – high and low speed
- Order Picking/Packing
- Lightweight products up to heavy
- Pallet transportation
- Assembly lines
- Interfloor conveying/elevating
- End of line packaging systems
- Non-contact conveying and accumulation
- Vehicle loading, unloading & cross dock



Full Automation System Design and Integration

At CSL, we specialise in designing, installing and maintaining complete conveyor and automation systems incorporating a range of different products and solutions.

From electrical wholesale and builders merchants to fashion retailers and online food delivery companies, we have completed projects which takes product from warehouse storage to pick, pack, labelling and shipping as well as handling returns, all in the most efficient and cost effective method possible.

Seamless interface to either "Out of the Box" or bespoke WMS systems, through our WCS solutions, enables a layer of intelligent automation to be deployed. Utilising such solutions as Pick to Light / Put to Light and barcode reading, laser or camera based, to increase efficiency & operational accuracy.

View our products on our website.



Our Products

Conveyor Systems Limited work with long term partners which are world leading brands in the field of conveyors and automation solutions to provide the quality, reliability and durability required to ensure that your project is completed to the highest possible standard.

All of our products can be integrated and combined to build an effective conveyor and automation system, maximising efficiency and ROI.

Conveyor Systems

Our range of powered roller conveyors - (24v and 400v,) are available in various roller pitches and widths to suit the application, and provide accumulation, transit, divert, merge, transfer and sortation functions.

Our system design can accommodate most products, from carton and totes to polybags as well as card envelopes.

Standard speeds up to 60m/minute and beyond.



View our Conveyor Solutions on our website



Tote & Carton Conveyors

Solutions for carton and tote handling can combine many conveyor technologies in one system, such as belt conveyors and 24v accumulation powered roller conveyors, for loads up to 50kg.

Each project is unique and the application design is developed around each specific requirement.

Pallet Conveyors

Our range of pallet conveyors can accommodate standard Chep & Euro pallets as well as most other pallet sizes/types with weights up to 2 tonne.

Powered roller and chain conveyor provide the right combination for most pallet handling applications, and can incorporate turntables, transfers, transfer cars as well as barcode scanning, wrappers/hooders and labelling.

Find out more about Pallet Conveyors on our website.



Spiral Elevators

Whether your production facility or warehouse has spacial constraints and/or storage located across multiple floor levels, which require products to be either raised or lowered vertically, our range of spiral conveyors are the ideal solution. Proven technology, with more than 120 spirals installed, they are space efficient as well as flexible and cost effective solution.

- Standard slat widths 200mm-600mm
- Multi lanes available to provide larger operational widths
- Heights up to 20m/60ft and beyond
- Small footprint saving valuable space (starting from 1240mm2)
- Speeds up to 90m/minute
- Continual throughput
- Suitable for irregular items as well as cartons, boxes, totes, bags etc.
- Safe transit between multiple floors/ heights
- Up to 50kg per metre
- Fully reversible
- Stacked spiral solutions



Find out more about Spiral Elevators on our website.



Vertical Elevators

We offer a range of high quality, standard and bespoke, vertical elevators / lowerators designed to handle most uniform shaped products, across single and multi-floor levels.

A unique design range accommodates carton/tote handling through to pallet handling.

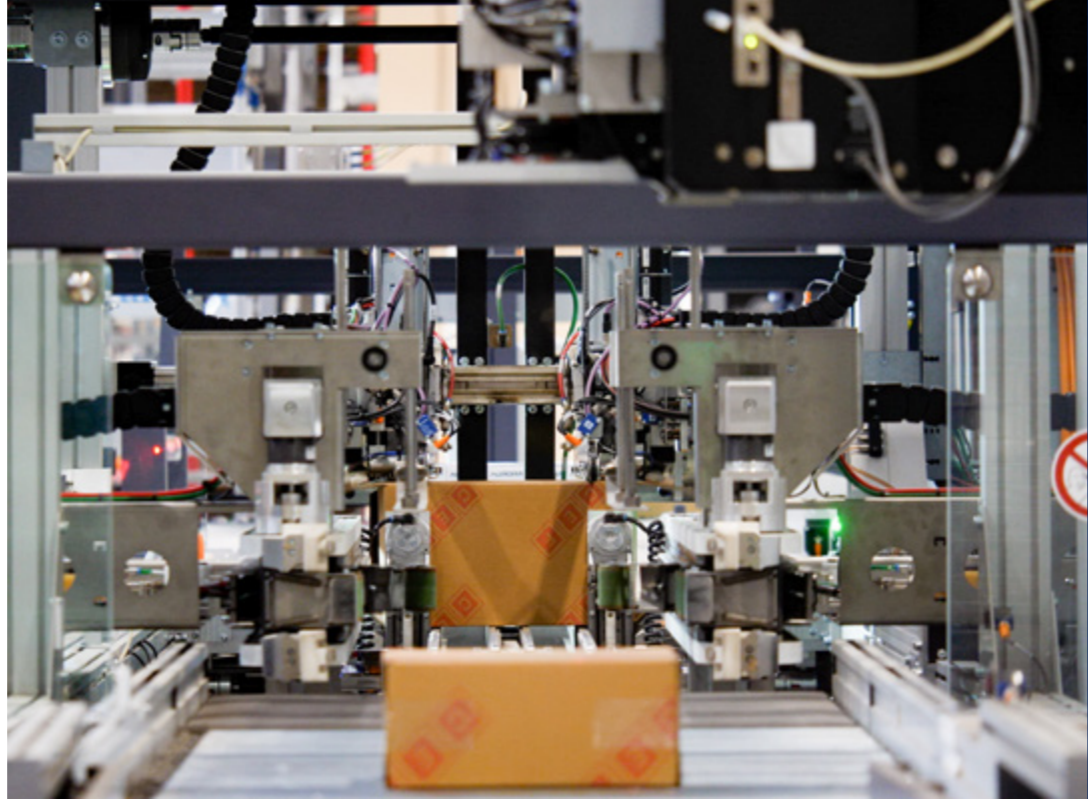
- Safe transit between multiple floors/heights
- Small footprint saving valuable space
- Up to 2000 products her hour
- Suitable for boxes, crates, totes, sacks, pallets, etc
- Up to 25m high
- Max product weight 75kg (2ton Mk10)

Find out more about Vertical Elevators on our website.



Automatic Packing, Scanning and Labelling

Automatic packing machines can increase packaging process efficiencies through increasing throughput, reducing box volume by an average of 50% and cardboard waste by 30%. Meeting labour challenges head on by replacing up to 30 manual packing stations. Our range includes fit to box and box sizing technologies.



Scanning and labelling of packages and cartons is a vital part of automation. We can provide Print & Apply for carrier and LPN labels on multiple faces and multiple side scanning solutions. Dimensioning / Weighing / Scanning (DWS) provide the last mile accuracy and important data for carrier selection services.



Find out more on our website.

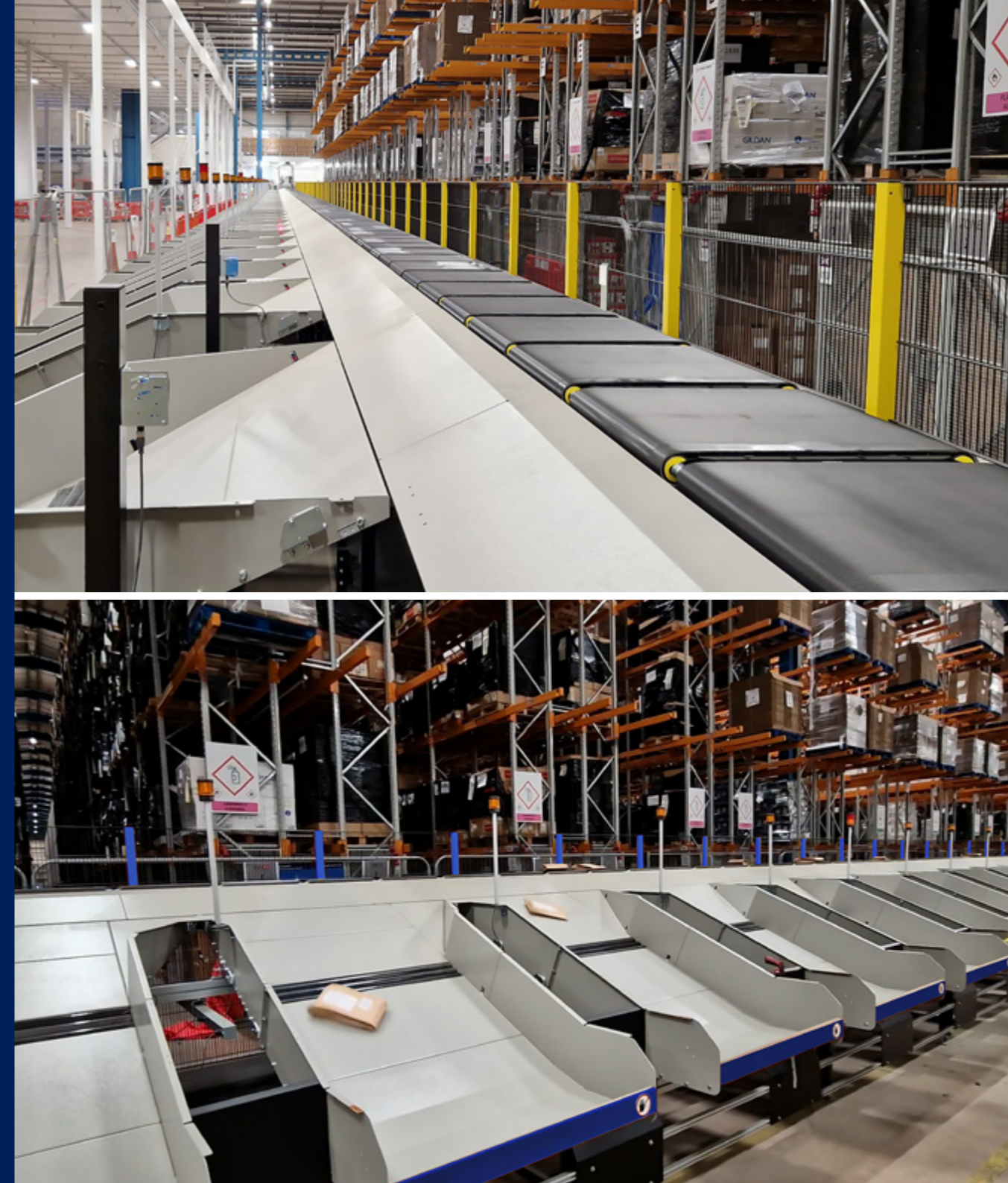


Sortation

Our sortation systems can handle products such as Jiffy bags, polybags, parcels, large letters, tote bins and cartons, ranging from 45g up to 80kg. Throughputs of up to 20,000 per hour can provide some of the greatest efficiencies of all automation solutions.

Our systems utilise manual, semi or fully automatic induction feeds and can offer a range of offload options such as chutes, braked rollers and belt conveyors. As part of our integration solution we can enhance any system and verify product integrity prior to sortation by implementing multiple array barcode readers, check weighers and DWS.

Our range of sortation equipment accommodates low to high speed throughputs and from our range of standard wheel sorters, Horizontal and Vertical crossbelt sorters to pusher and split tray sorters, CSL have a solution to meet your application and demands.



With solutions offering throughputs from 1000/ hour up to 20,000/hour, our mechanical based sorter technology ensures CSL can design and install integrated systems that are energy efficient, low maintenance as well as quiet operationally. Additional benefits include:

- Maximum efficiency and accuracy
- Minimise risk of human error
- Reduce number of touch points
- Integrates with existing WMS/software systems

Find out more about Sortation on our website.



Autonomous Mobile Robots (AMRs)

Autonomous mobile robots (AMRs) are self-navigating robots designed to operate and make decisions independently, without human intervention. In warehouses and distribution centres, they are used to automate material handling tasks such as transporting goods, picking and packing orders, and organising inventory.

AMRs work in conjunction with other automation systems to improve efficiency, speed, and accuracy of warehouse operations. They can be programmed to follow specific routes, avoid obstacles, and interact with other systems, such as conveyors and storage units, to optimize the flow of goods. Additionally, they can be easily reconfigured to accommodate changes in the warehouse environment and product demands.

The range of AMRs include tote/order picking, picking-rack handling and pallet handling.



Find out more about AMRs on our website.



Vertical Storage

Automated Vertical Lean Lift Storage solutions are a flexible solution for many industrial storage requirements. Housing several product trays, a central motorised elevator moves them from the supporting shelves down to the operator bays and one or more bays for picking and refilling of materials.

With rapid installation, these Vertical Storage solutions offer a huge benefit in space-saving, stock security and efficient and accurate order picking, providing a fast return on investment.

Find out more about Vertical Storage on our website.



Mezzanines

Making the most of your valuable space in your warehouse has always been very important and with innovative mezzanine design and storage solutions, we can help make the most of space. Well designed mezzanines and storage can also form part of the warehouse flow, starting with goods-in, storage, order picking, despatch sorting, multi floor product movements, packing etc.

We will design the mezzanine including fire protection and can include any lighting requirements. Our design process encompasses calculating structural and floor loading alongside any storage/shelving requirements.

The design process involves the use of the latest 3D BIM modelling design and manufacturing software which can provide the floor loads and relevant calculations. As part of the package we offer a variety of wood floor finishes including uncoated decking, clearcoat lacquered decking, epoxy coated, epoxy non slip and steel mesh.



Shelving & Racking

We can include Shelving & Racking as part of our full, turnkey solutions. We work closely with our clients to understand their specific storage requirements and offer customised solutions that are both practical and cost-effective.

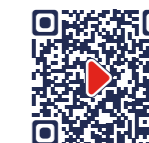


Additional Warehouse Products

Other practical solutions can be included in projects including;

- Column protection
- Barriers
- Safety rails
- Safety netting
- Line marking
- Step-overs

Find out more about Mezzanines and other warehouse products on our website.



Our Customers

Conveyor Systems Ltd are proud of the relationships we have built and maintained over the last 25+ years by delivering customer projects on time, on budget and achieving ROI, working with some of the world’s best known companies and household names.

CSL go over and above to understand our clients needs and to exceed expectations by focusing on your requirements whether it is spacial constraints, sustainability or utilising and integrating the right solution to your existing or new facility infrastructure.

Some of our stand-out recent projects are featured below, and more detailed case studies can be found on our website.



City Electrical Factors, the UK’s leading electrical wholesale network, turned to CSL to design and install an extensive automation system for their 200,000 sq ft Biggleswade distribution centre. Completed in two phases, the project was successfully finished in 2022.



Renowned construction and industrial wholesaler TIMCO appointed CSL to design, build and install an expansion project at their distribution centre in Nantwich, Cheshire. The completed project sees more than 5000 lines despatched per day.



Fulfilment specialists ILG, part of Yusen Logistics, appointed CSL to design and install a conveyor system with carton labelling at their busy Northampton distribution centre.



DB Schenker is one of the world’s leading global logistics providers, and commissioned CSL to design and install an automated order picking and replenishment system at their Tamworth warehouse including a twin spiral system.



View our case studies online



“ I have found working with CSL the ideal partnership, they understood the brief and worked closely with CEF to ensure the design met all of the criteria. The system has made our new warehouse very efficient and allowed us to increase the throughput.

Craig Marks
Divisional Manager - CEF Online

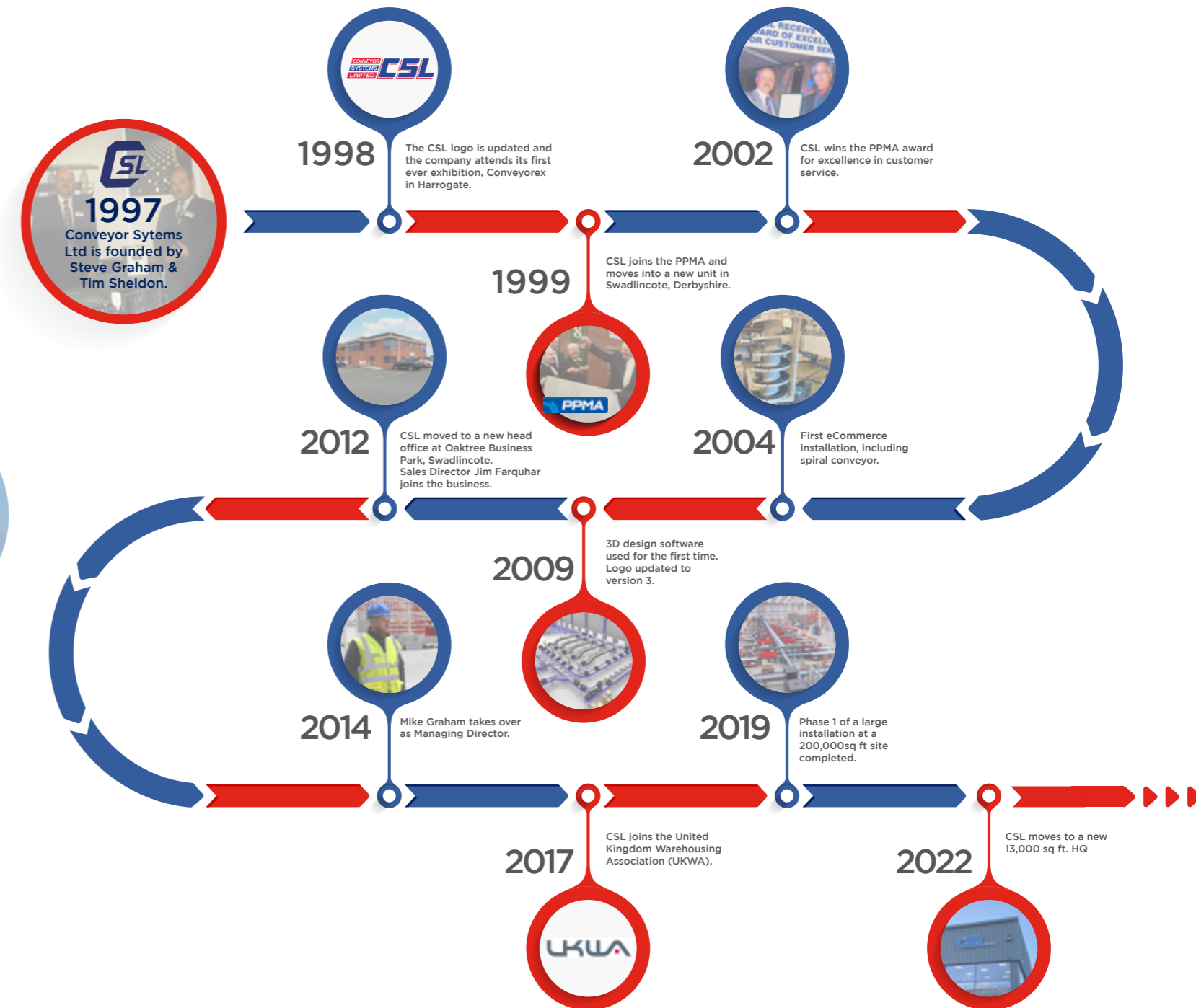
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Our History

Conveyor Systems Ltd celebrated 25 years in business in 2022, and in more than a quarter of a century the business has adapted and evolved to keep pace with a rapidly changing world of Conveyor and Automation technology.

From the exponential growth of e-commerce to advances in automated packing and robot technology, we have developed our expertise and product knowledge to provide solutions for warehousing and storage, distribution and production line.

We have built relationships and completed projects for some of the worlds most recognised and respected companies, including the NHS, BMW, Amazon and many more, while building partnerships with the worlds best conveyor and automation equipment suppliers including Interroll, Conveyor Units, Ambaflex, Sparck, Qimarox, and many more industry leading companies.



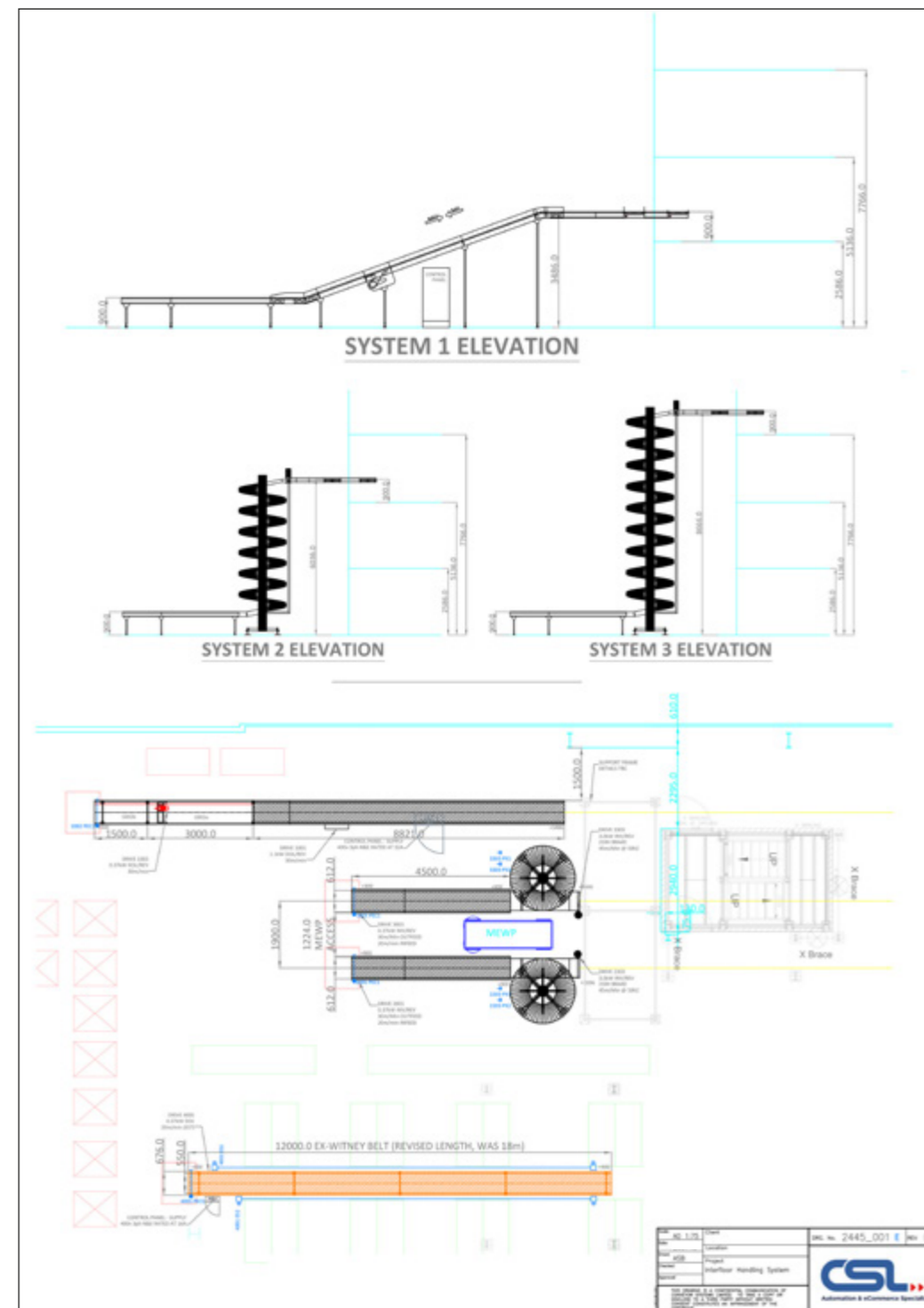
Design & Specification

Conveyor Systems Ltd offer state-of-the-art design and 3D illustration services for conveyor and automation systems. Our team of experts uses the latest technology to bring your vision to life, providing detailed, accurate and highly realistic representations of your systems.

Our design services cover everything from conceptualisation to full-scale product development, with a focus on efficiency, safety and cost-effectiveness. We work closely with clients to understand their requirements and develop innovative solutions that meet their specific needs.

Utilising a wide range of modular and bespoke conveyor solutions enables us to provide customers with maximum flexibility in design to meet your individual handling applications and budgets. Layouts can be designed to integrate with existing conveyor systems and associated equipment.

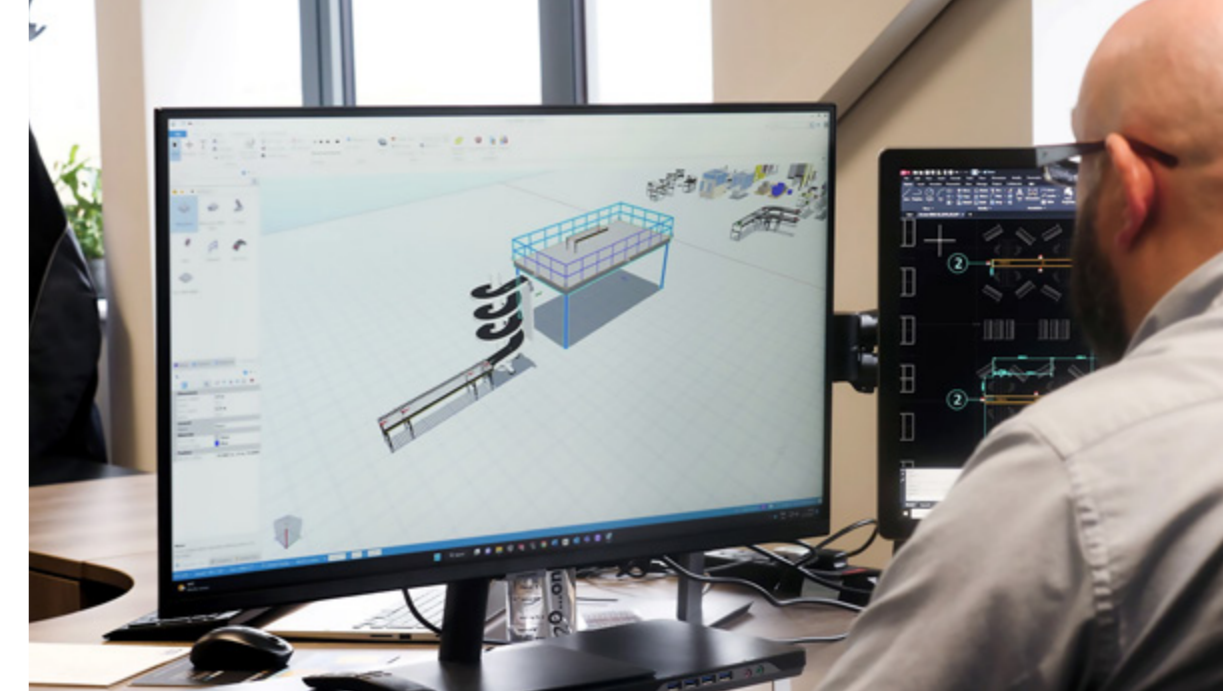
Our conveyor system applications team can assess individual requirements, however complex, then design and construct the most efficient solution whilst remaining cost effective and within budget.



3D Visualisation

Our designers use the latest 3D software to visualise conveyor and automation projects. This technology enables the creation of highly accurate and detailed models, allowing for an efficient and effective design process.

The 3D models can be used to simulate and test the conveyor and automation systems, ensuring that they meet all requirements and function correctly. The use of 3D visualisation makes it easier to communicate design concepts and proposals to clients, stakeholders and other team members, as the models provide a clear and interactive representation of the system.



Conveyor System Maintenance

Carrying out regular maintenance on your conveyor system will significantly reduce the risk of breakdowns and can highlight parts that need replacing before they fail.

Our Maintenance options include:

- Annual service contracts
- Ad-hoc/reactive visits
- Visual inspections Scheduled/Preventative maintenance visits
- Wear part replacement programme– predictive maintenance
- System health checks
- Electrical inspections
- Remote dial in health checks

Breakdowns

We understand the importance of your conveyor system within your warehouse, distribution centre or production facility. In the rare event of a breakdown we will organise one of our experienced engineers to visit the site and carry out the repairs needed to get you operational again.

Modernisation & Upgrades

However well designed a conveyor system layout is, sometimes changes in products, company direction, increases in throughputs or changes in scope occur, meaning the previous conveyor system will need changes.

Our continual improvement programs will help you to optimise workflow while also reducing the operation costs. At CSL, we understand the importance of your conveyor system and will define a detailed plan of implementation to minimise downtime and disruption.

Find out more on our website



Spare Parts

Having a supply of consumable and critical spare parts on site is always highly recommended, we estimate that more than 85% of equipment breakdowns can be repaired on the initial engineer visit if parts are held on site!

The supply of spare parts could involve anything from adhoc ordering of individual parts, “front line” breakdown spares kits, critical wear parts or comprehensive spares packages to suit your bespoke system which can fitted by either your in-house maintenance engineers or fully experienced CSL engineers. Spare parts packages can be mechanical, electrical or control based or even a mix to suit your system and requirements.

We can supply both from our own stock of critical genuine spares and a large inventory from our suppliers. Expedited delivery options are also available.





Let's get things moving.

Contact us today to discuss your automation requirements.

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Use the QR code to visit the Contact page on our website.



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