

PRODUCT & SERVICES OVERVIEW



Modu Systems
& Conveyors



Robotics



Automation



Product Dosing &
Handling Systems



Servo Motors &
Drive Controls



Sence Per Motion



Materials
Handling Solutions



Equipment
Monitoring

INTRODUCTION	3
INDUSTRY SECTORS	4
ROBOTICS	
Sence Picker Placer	5
Multi Axis Robots	5
Robotics	6
AUTOMATION	
Sence Automated Packaging	7
Food Picking & Packing Systems	7
Sence Pallet Handling & Dispensing	8
Automated Guided Vehicle	9
SERVO MOTORS & DRIVE CONTROLS	
Sence Servo Motors & Drives	10
VSD Drive Packages	10
KB Drive Systems	11
Sence PLC Programming	11
EQUIPMENT MONITORING	
Sence Plant & Equipment	
Control Systems	12
Equipment Monitoring &	
Automation	12
Sence Silo Monitoring System	13

MODU SYSTEMS & CONVEYORS	
Conveyors	14
Gravity Conveyors	15
Plastic Belt Conveyor System	15
Gripper Conveyors	16
Alpine Conveyor System	17
Spiral Conveyor	17
Sushi Conveyor	18
Restaurant Food Delivery Systems	19
Restaurant Express Delivery	
System	20
SENCE PER MOTION	
Sence Per Motion Services	21
MATERIALS HANDLING SOLUTIONS	
Paglierani Packaging Systems	22
Aluminium Profile Extrusions	22
PRODUCT DOSING & HANDLING	
Product Weighing & Dispensing	23
Product Dosing & Handling Systems	23
TECHNICAL SERVICES	
Advanced Services	24
General Services	25
CONTACT US	27

Automation & Control - supplier of market leading robotic & automation products for all industries.

Automation & Control is the robotic and automation solutions provider division in our group of companies which also includes Chain & Drives, a leader in power transmission, Inquip, dust collection & bulk materials handling and Techquip, technical services specialists.

Our team are trained in all aspects of robotic and automation solution products and services. We have the support and expertise from market leading manufacturers across the globe. We provide our products and services throughout Australasia.

Design

Our engineering team are skilled in the use of cutting edge drawing software, utilising AutoCAD and SolidWorks in the production of full 3D virtual space modelling and simulation, enabling prompt and accurate project installation and future servicing.

Supply

From our group of companies, we are able to supply and install a large range of our products from stock. We represent various brands from around the world such as WAM, OLI, Kinder, Sumitomo, Motovario, WEG, Lafert, Transtecno, Bosch Rexroth, Paglierani and Damon; our association with many power transmission and bulk materials handling manufacturers allow us to provide the most competitive price possible.

Installation

Once your design is complete and equipment procured, our technicians can provide installation services to complete your project. Some of our value added services include project estimating, costing, scheduling, resource management and equipment hire; meeting our client's confidence in completing their project's unique requirements. After installation we also provide full commissioning of equipment, supplied systems and optional maintenance agreements.

Maintenance

We can provide full and ongoing maintenance services for all your plant and equipment, including gearboxes, motors, drive controls, conveyor components, head drums, replacement skirting and belting, dust collectors and drive assemblies. Effective servicing and maintenance can be the difference between reliable, efficient equipment and one plagued with continuing problems, costing you time and money.

We offer ongoing maintenance plans that allow you to be assured your equipment will be able to operate at its peak performance and efficiency and comply with Occupational Healthy & Safety Requirements.

Our team also offers after hours and breakdown assistance if required.



ADMINISTRATION
1/45 Inspiration Drive,
Wangara WA 6065
P +61 8 9303 4988
F +61 8 9303 9012
accounts@automation-control.com.au



ENGINEERING & SALES
22 Beneficial Way,
Wangara WA 6065
P +61 8 6314 1111
F +61 8 9303 9447
info@automation-control.com.au



Automation & Control are a leading supplier of Robotics, Automated Systems and Process Control Solutions offering our Sence Per Motion Services to all customers, the ability to pay per-motion for leased automative systems & robotics.

Our team has many years experience in all industry sectors across Australasia with knowledge and specialised product development, providing you with a level of service and proven results that you can rely on to achieve greater productivity and results.

Our partnership with clients and suppliers across these sectors allow us to share a wide range of knowledge gained from industry experiences.

- » **ANIMAL FEED MILLING EQUIPMENT**

» **ASPHALT MIXING PLANT EQUIPMENT**

» **BIOMASS AND BIOGAS DIGESTATE TREATMENT EQUIPMENT**

» **EQUIPMENT FOR HANDLING OF BIOMASS FOR COMBUSTION**

» **BISCUIT PROCESSING PLANT EQUIPMENT**

» **CEMENT, LIME, GYPSUM & MINERALS PROCESSING EQUIPMENT**

» **CONCRETE PRODUCTION PLANT EQUIPMENT**

» **CRUSHING, SCREENING AND MICRONIZING PLANT EQUIPMENT FOR QUARRIES AND THE MINING INDUSTRY**

» **DRY MIX BUILDING MATERIALS PROCESSING PLANT EQUIPMENT**
- » **FLOUR MILLING EQUIPMENT**

» **GLASS PROCESSING EQUIPMENT**

» **HYDROENERGY GENERATION EQUIPMENT**

» **LIME DOSING EQUIPMENT**

» **LIVESTOCK**

» **OIL & GAS EXTRACTION PLANT EQUIPMENT**

» **PASTA PROCESSING PLANT EQUIPMENT**

» **PLASTICS PROCESSING PLANT EQUIPMENT**

» **SAND & SHOT BLASTING PLANT EQUIPMENT**

» **SHEET METAL CUTTING MACHINE ACCESSORY EQUIPMENT**

» **SUGAR PROCESSING PLANT EQUIPMENT**

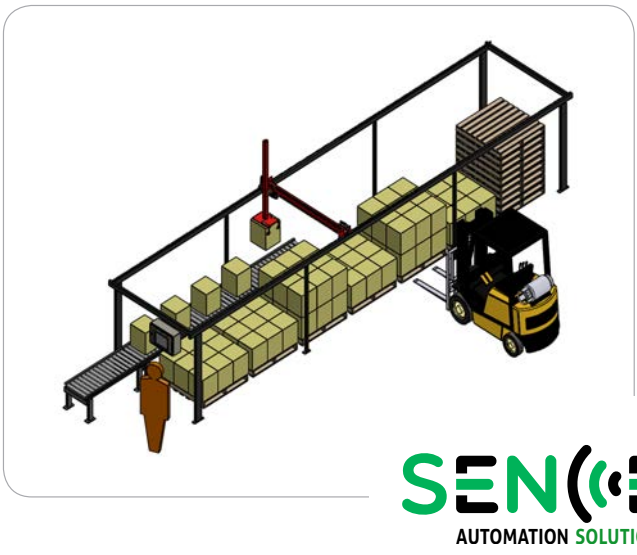
» **WASTE WATER TREATMENT PLANT EQUIPMENT**

Automation & Control supplies the market leading Sence range of Picker Placers.

Our Sence Picker Placer automated system is designed as an economical alternative to mutli axis robotics.

The picker placer can be customised to suit all types of packaging applications. Stacking pallets at high speed provides an economical and reliable alternative.

We also supply the complete range of pallet dispensing and wrapping equipment to compliment our automated systems.



Multi Axis Robots

Automation & Control supplies the market leading Sence range of Multi Axis Robots.

Multi axis robots are becoming more common in the sectors we operate in. We offer maintenance services, technical assistance and programming for multi axis robots.

We can develop system integrators for all applications requiring robotic automation.

We offer complimentary site visits to assess and understand your application requirements.





Automation & Control supplies ABB, Kuka & Modu's large range of industrial robots.

Modu offers a comprehensive range of industrial robots from highly renowned brands, such as ABB and Kuka. Offering industrial robots in a wide range of versions with various payload capacities and reaches.



KUKA KR FORTEC Series



KUKA KR QUANTEC Series



KUKA KR CYBERTECH Series



KUKA LBR IIWA



ABB IRB 660



ABB IRB 120



ABB IRB 1520ID



ABB IRB 6620LX



Automation & Control supplies the market leading Sence range of automated packaging equipment.

Automated packaging is becoming very popular in all sectors throughout Australia.

Our team are experienced in developing optimised packaging systems using the latest in robotic technology with locally manufactured touch screen control systems to improve productivity and decrease downtime.



Food Picking & Packing Systems

Automation & Control supply a food picking & packing system and accessories.

We are constantly innovating and developing new technologies, products and services to suit our customers ever changing requirements.

Currently in development and to be released in the near future, is our fully autonomous food picking and packing system, from field to truck, and beyond.

Utilising our robotics and equipment expertise, we were able to offer the complete automated system to pick, pack and dispatch food.



Let us help you understand our Machine Learning & Vision System Technologies

Contact us today.

Automation & Control supplies Sence and Modu pallet handling & dispensing systems including accessories.

We can supply pallet dispensers, double pallet stackers as well as pallet stretch wrapping, case erector/sealer, case printing & labeling, palletising systems and more.



Pallet Dispenser

The Modu pallet dispenser provides automatic dispensing of empty pallets onto pallet handling conveyors or directly onto the floor.



Double Pallet Stackers

Modu double stackers take single unit loads and efficiently stack one pallet on top of the other, eliminating the need for forklift drivers picking and stacking loads.



Pallet Stretch Wrapping

The Modu pallet stretch wrapping system is a semi automatic low and high profile turntable stretch wrapping system, an ideal stretch wrapping solution for large pallet loads.



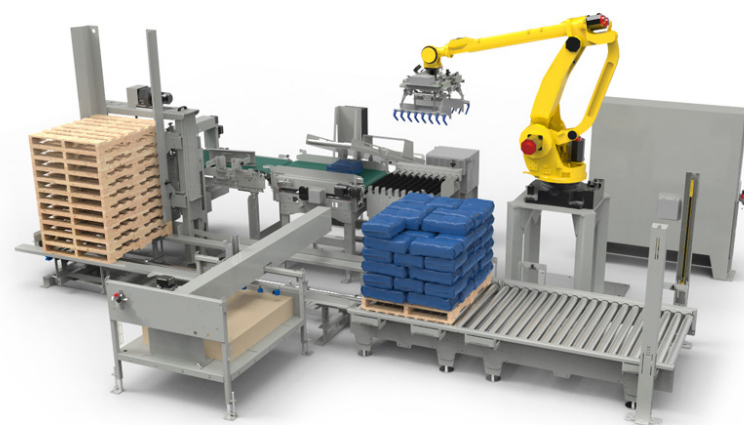
Case Erector/Sealer

The Modu carton erector/sealer provides automatic construction of cardboard boxes and application of tape to seal closed



Case Printing & Labelling

The Modu carton printer & labeler machine provides automatic printing and labelling directly onto cartons.



Palletising System

Palletising is a demanding application of stacking boxes, bags, cases, bottles, and cartons onto pallets as the last step in the assembly line before being loaded for shipping. We offer robot integration specifically designed for high-speed, heavy payload and long-reach palletising applications.

SENCE
AUTOMATION SOLUTIONS

Automation & Control supplies the Automated Guided Vehicle (AGV), an automated mobile robot and large range of Accessories.

Automated Guided Vehicle (AGV) is a mobile robot that can automatically navigate and transport materials from one location to another. Suitable for (but not limited to) manufacturing, textile, automotive, food & beverage, warehousing, hospital operations, etc. This modern AGV is equipped with the latest technologies with a modular design that is flexible and easy to maintain. Powered by NavWiz system, the usage and programming is easy and simple.

Features:

- Modular
- NavWiz Map
- NavWiz Task
- Differential Driven
- Bi-Directional
- Safety Features
- Sixteen I/O
- Auto Charging



AGV Pallet Jack



AGV Hooking



AGV Cabinet



AGV Conveyor



AGV Towing



Contact Us for
your Robotic
Enquiries

Automation & Control offer a range of Servo Drives, Motors and Gearboxes.

The IndraDrive Servo Drive System is comprehensive and offers numerous application advantages. All standard fieldbus interfaces are supported in addition to the latest Ethernet based interfaces. Servo drives can be supplied with an optional on board soft PLC to suit stand alone or turnkey solutions, eliminating the need for higher level control systems and PLCs. The servo motors come in an extensive range and have high-precision encoder systems.

Products:

- Compact Drives & Gearboxes
- Converters
- Modular System
- Control Units
- Firmware
- Indralogic XLC/LV



VSD Drive Packages

Automation & Control supplies Variable Speed Drive (VSD) Packages to suit a variety of requirements.

Our range of VSDs incorporates our market leading Bosch Rexroth inverter drive units. Including the FE, FV and EFC3600 ranges (Available up to 900KW.)

We supply custom built IP66 Drive Cabinets suited to many applications in most industry sectors.

Our drive cabinet components are sourced from leading European and US manufactures.

With an understanding of your application, the drives are assembled locally to meet your specifications.

The drives are supplied with full control from the cabinet facia and locked to provide you with complete security & control.

Standard panel control functions include:

- Total drive speed control
- Forward & reverse operation
- Soft start – Ramp Up – Ramp Down Operation
- Indexing Drive Control
- Multi-function programming
- Vector Torque Control
- Emergency Stop



We supply custom built IP66 Drive cabinets to suit many applications.

Rexroth
Bosch Group



SENCE
AUTOMATION SOLUTIONS

Automation & Control supply off the shelf or customised KB Variable Speed Drive (VSD) Systems to suit a variety of requirements.

KB offers 66 models of off-the-shelf distributor style Variable Frequency Hybrid Variable Speed AC Drives and Digital AC Drives, as well as 47 models of Variable Speed DC Drives that cover the most popular voltages and horsepower ranges. From 115/230 and 380/400/460 input voltages and extending from 1/10 to 5 horsepower.

Our drives can also be supplied with full automation Bosch Rexroth products, incorporating PLC Control and Servo Motor Drives.

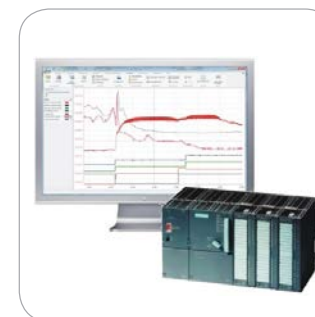


We offer Site Consultation, Installation & Maintenance for all your requirements.

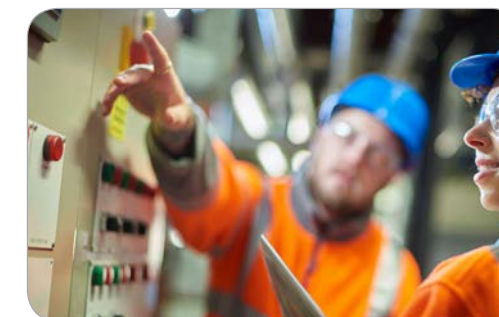
Sence PLC Programming

Automation & Control offer a range of Sence PLC Programming systems and accessories.

The powerful Sence Programmable Logic Controllers (PLC) systems set new standards for open automation with a consistent control, programming and communication design. Whether you are using a controller, an embedded or industrial PC you can tackle any job rapidly and cost effectively.



Programmable Logic Controllers (PLC)



VSD & Servo Integration



Control Panels

Automation & Control offer a range of Sence Plant & Equipment Control Systems.

We provide many solutions for plant and equipment on site and remote control systems. From semi autonomous to fully autonomous systems that can be monitored on site from a mobile device or in a remote location.

This can cover fixed plant and mobile equipment. Our site engineers will visit your site to understand the application required and provide options using leading technology from our supply partners.



Equipment Monitoring & Automation



Automation & Control offer a Equipment Monitoring & Automation including automatic fueling stations.

Equipment Monitoring & Automation is an essential part of many applications across all industry sectors. We provide design consultation, implementation and 24/7 monitoring of all automation and process equipment.

Our goal is to become your partner in protecting your assets into the future. Our equipment monitoring includes conveyors, materials handling, mobile equipment, fixed plant and processing equipment.

We can provide daily equipment usage and monitoring reporting. We also provide predictive maintenance and trained technicians to perform scheduled maintenance to avoid downtime and loss of production.

Contact us today to find out more information.



Utilising innovative design methods and products available from our Bulk Materials Handling Division - Inquip, Automation & Control have developed a very competitive monitoring system for storage silos, the Sence Silo Monitoring System.

We can provide an economical automated process to an autonomous system adding value and improving your business.

Features & Benefits:

- Complete Monitoring & Control with Live Volume/Level Feedback
- Silo Filling and Usage Accountability with Automated Reporting
- Automatic Filling Cut-off in Over-pressure or High Level Conditions
- Audible & Visual Alarms
- One-person Operation, IP66 Touchscreen Silo Control
- Remote 24/7 Dust Collector Condition Monitoring for Reduced Operational Cost
- Complete Silo Package Integration



Audible & Visual Alarms

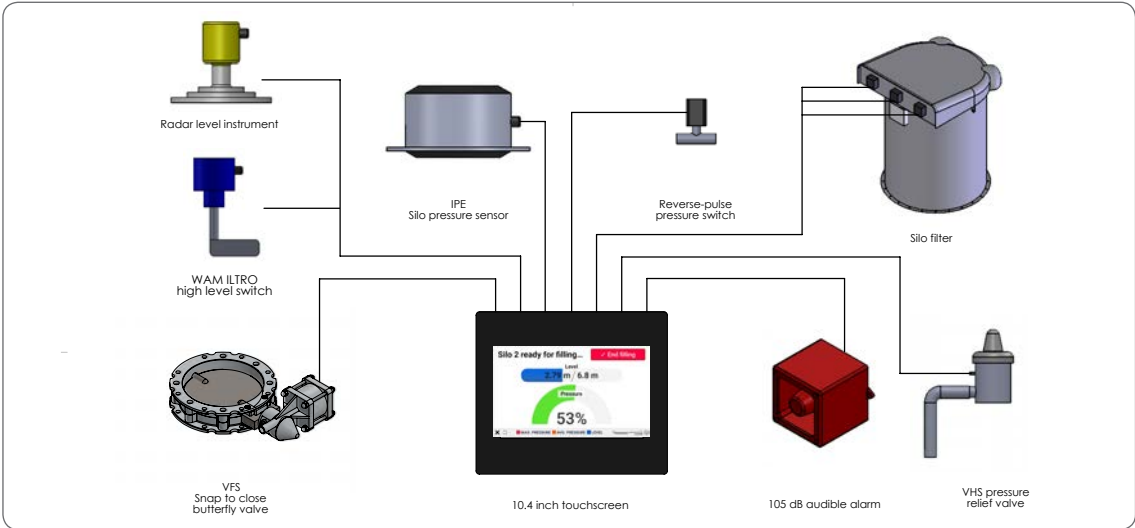


Touch-Screen Silo Control



Automated Reporting

Options available include the Radar Level Instrument to continuously measure level in silo or alternatively, reduce cost by detecting a high level with a Rotating Paddle or Tuning Fork Level Switch.



Customisation Available



Automation & Control supplies the large range of Modu Conveyor Systems.

Modu conveyors are modular and flexible, which makes them very cost effective. The straights, supports, and bends are made up of various re-assembled components. Therefore a conveyor can be installed or reconfigured (realigned, extended or shortened) within a very short time-frame easily by using simple tools.



Thermoplastic Chain with Aluminum Beam Conveyor



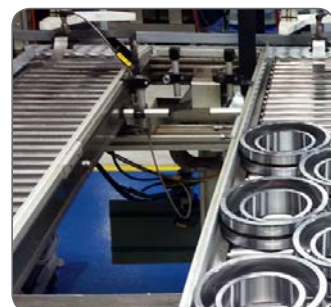
Thermoplastic Chain with Stainless Steel Beam Conveyor



Multi-Lane Conveyor (SS/AL)



Belt Conveyor (SS/ MS/ AL)



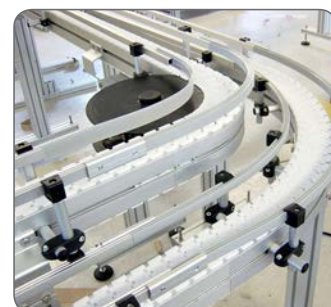
Roller Conveyor (SS/ MS/ AL)



Stainless Steel Slat Chain Conveyor



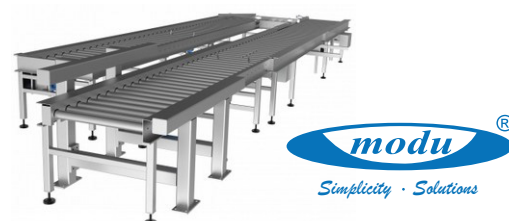
Continuous Carton Elevator/ Lowerator



Plastic Chain Conveyor



Pharmaceutical Conveyor



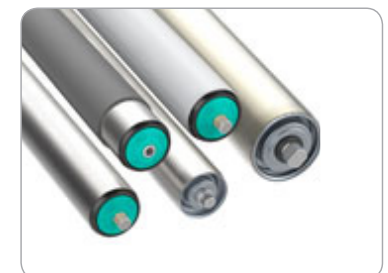
Inquip supplies a wide range of gravity conveyors and roller products.

We supply a vast range of conveyor rollers from light duty PVC rollers to heavy duty pallet handling rollers. Manufactured in various materials such as PVC, Mild Steel Raw, Galvanised or Zinc Plated and also in Gr.304 Stainless Steel.

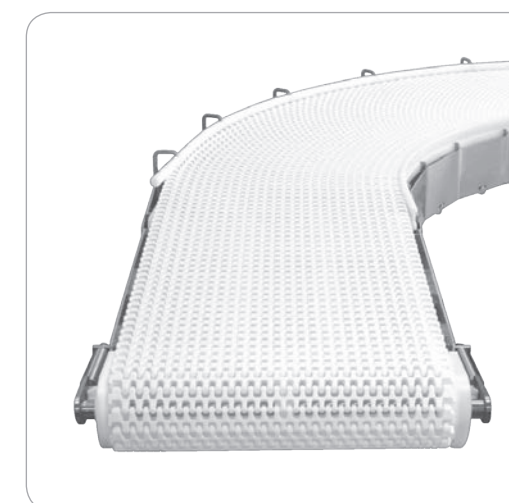
There are various size shafts on offer in the conveyor rollers, ranging in diameters as small as 6mm up to 20mm. Options include machined shafts for conveyor rollers including flats, split pin holes, slotted ends or threaded ends etc. or we can customise your conveyor rollers with an 11mm hexagon shaft in some of our conveyor roller series.

A made-to-order service is available to provide the option of manufacturing conveyor rollers in increments of 1mm to suit your exact requirements.

Gravity Roller Conveyor, Gravity Wheel Conveyor, Gravity Ball Transfer Table, Extendable Conveyor, Line Shaft Conveyor, Live Roller Conveyor, Belt Conveyor, Easy Conveyor, Pallet Conveyor Module, Skewed Roller Conveyor & Tangential Conveyor.



Plastic Belt Conveyor System



Automation & Control supply the new Modu Modular Plastic Belt Conveyor System.

The Plastic Belt Conveyor System is a simplified solution for conveying larger products.

All components of the plastic belt conveyor is standardised for easy engineering, maintenance and operation.

Available Sizes:

MT2 - 315mm, MR2 - 438mm, MF2 - 585mm

Features:

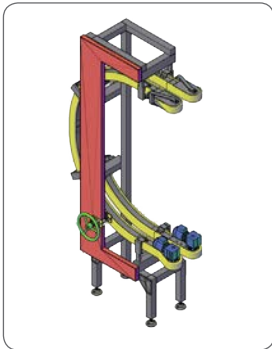
- Reliable, flexible, safe & adaptive to any requirements.
- Flat & smooth POM belt surface minimises the risk of scratches on products.
- Designed to integrate with new & existing production equipment.
- Available in aluminum or stainless steel frame.

Automation & Control provide the large range of Modu Gripper Conveyors available in four main types including C-Flow, Simple Gripper Upender, Gripper Upender and S-Flow to suit your industrial application.

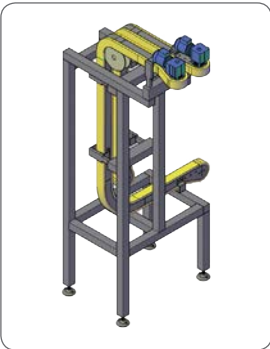
A Gripper Conveyor has many uses; it can be used to elevate products, lower products, or buffer products. It consists of two parallel sets of conveyor sections that are joined together on an adjustable mechanism which allows the unit to accommodate different size products. The Gripper unit can be configured to allow the product to be transferred at the same or different input/output transfer heights. The unit gently grips the product to be transferred and guides it to the next process.

Features:

- Saves floor space and conveyor length
- Maximize space utilization by creating buffering at ceiling levels.
- Easy integrates with other application such as blowers, fillers, and packaging lines
- Flexible and lightweight
- Easy to install and accommodate site layouts.
- High capacity vertical transport



C - Flow



Simple Gripper Upender



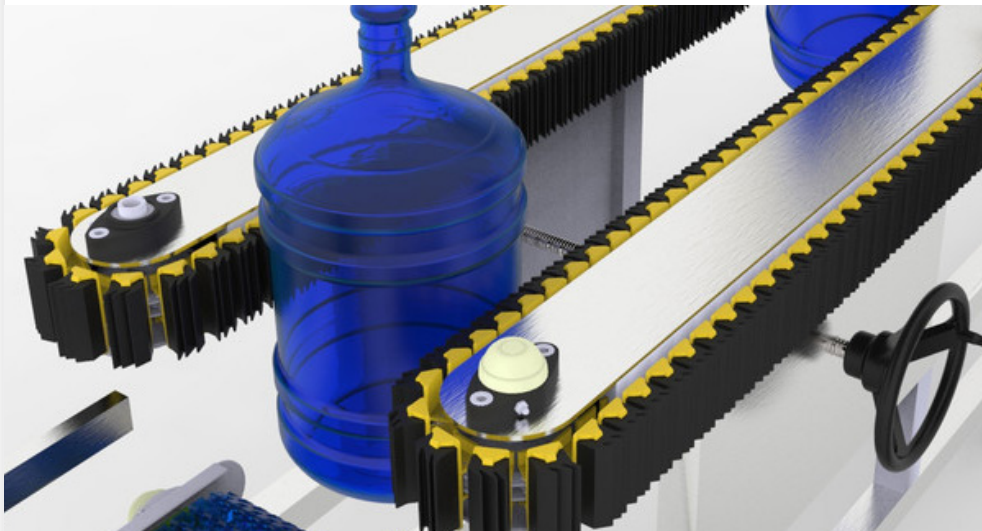
Gripper Upender



S - Flow



The Gripper Conveyor offer product elevation, de-puck & reverting, creates passage ways, allows for inverter air rinsing and change orientation solutions.



Contact Us for
your Gripper
Conveyor
Enquiries



Automation & Control supplies the Modu Alpine Conveyor and Storage System.

The alpine conveyor system consists of multiple layers of conveyors that are stacked vertically. It is used for buffer processes, storage tower or as an accumulation and incline/decline to or from overhead transport systems.

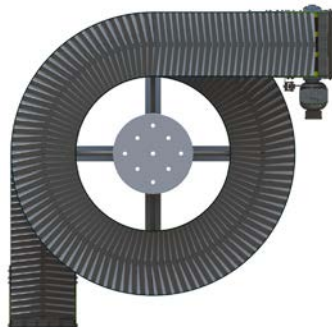
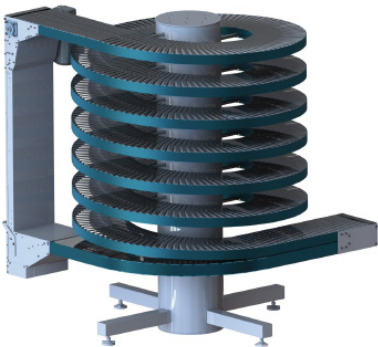


Spiral Conveyor

Automation & Control supplies the Modu Spiral Conveyor.

Modu Spiral Conveyors are frequently used to carry food and beverage cases, bagged goods, trays, and other similar items. It is designed to carry large payload with high speed. Continuous Flow Elevator/Lowerator liberate enough floor space in case/carton palletising lines, warehousing, or in work-in-progress storage applications by conveying products to an overhead conveyor unit. This machine is ideal for creating aisle ways, clearance for forklifts, and to move product between floors, etc.

Available Configuration



Automation & Control provides the Modu Range of Sushi Conveyors including Slimline, Medium and Large.

The Modu sushi belt conveyor trains are suitable for use in food environments such as sushi bars, shops and similar outlets.

The conveyor train is an overlaid slat type conveyor that enables very tight corners to be achieved so that the maximum amount of space utilisation can be achieved.

Features:

- Easy to install, assemble & reconfigure
- Aesthetic appearance
- Customisation available
- Create a design unique to your restaurant
- Mobile Version available, easily transportable.

Single Lane



Double Lane



STANDARD CONVEYOR PROFILES

Medium Conveyor Dimensions

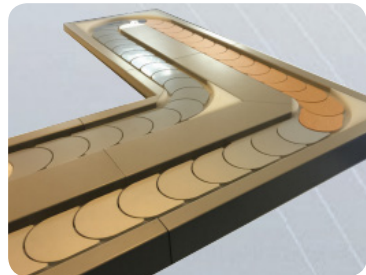
	Width	Height
Single lane	173 mm	74 mm
Double lane	420 mm	74mm

Large Conveyor Dimensions

	Width	Height
Single lane	230 mm	100 mm
Double lane	500 mm	100mm

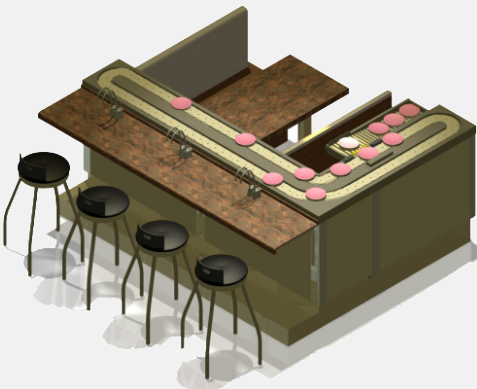


Sushi Dining
Ware Available



Sushi Freshness System

The Sushi Freshness System is a monitoring system that keeps track of the time of all the plates on the conveyor system. Each plate requires a self-adhesive tag to be applied to the bottom. The tag is called a RFID "Radio Frequency Identification." It has a unique serial number which is read by a receiver module located at the underside of the conveyor system.



We supply the Modu Restaurant Food Delivery Systems including Magnetic Food Conveyor, Shabu - Shabu Food Conveyor and the Mobile Sushi Conveyor.

The Modu food delivery conveyors, excluding the magnetic conveyor, are overlaid slat type conveyors that enable very tight corners to allow for maximum amount of space utilisation.



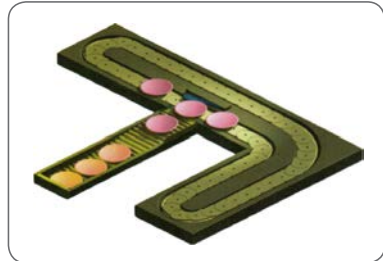
Magnetic Food Conveyor

MC Large Series
500mm (W) x 80mm (H)

MC Medium Series
370mm (W) x 80mm (H)

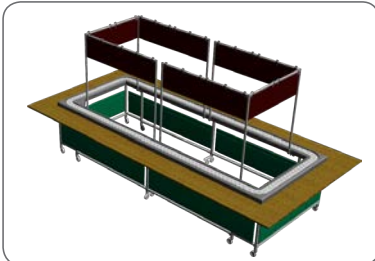
Surface Top Options:

- Tempered Glass
- Solid Surface
- Stainless Steel



Shabu - Shabu Food Conveyor

Specially design conveyor
just for Shabu Shabu/ Hot
Pot/ Steamboat restaurants.



Mobile Sushi Conveyor

Specially design conveyor
for use in temporary
locations.

Easy to install, dismantle
& transport

Standard Size: 2600mm
(W) x 5400 mm (H)

Accessories - Restaurant Equipment

Automation & Control can also provide the Modu range of restaurant kitchen equipment including Norimaki Maker, Sushi Maker, Shari Maker and Accessories.



Norimaki Maker



Sushi Maker



Shari Maker



Shari Maker



Nigri Maker



Sushi Maker



Norimaki Maker



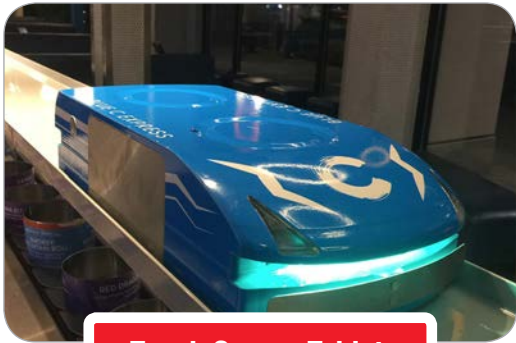
Accessories

Automation & Control provides the Restaurant Express Lane Delivery System from Modu.

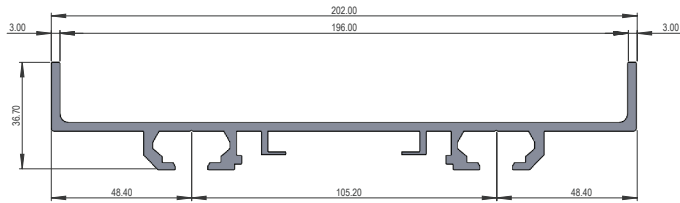
The Modu Express Lane System speeds up the food delivery process by bringing food to patrons without the necessity of waitstaff. With a HMI (Touch Screen) used to control the Express Lane, conventional buttons can be replaced with ColoredTouch Screen for more modern looking design. With a high precision drive unit, including a minimum turning radius of 500mm, the Carrier can stop precisely at the customer's table.

Features:

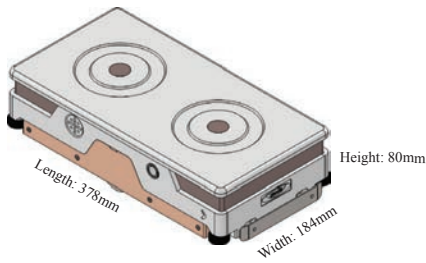
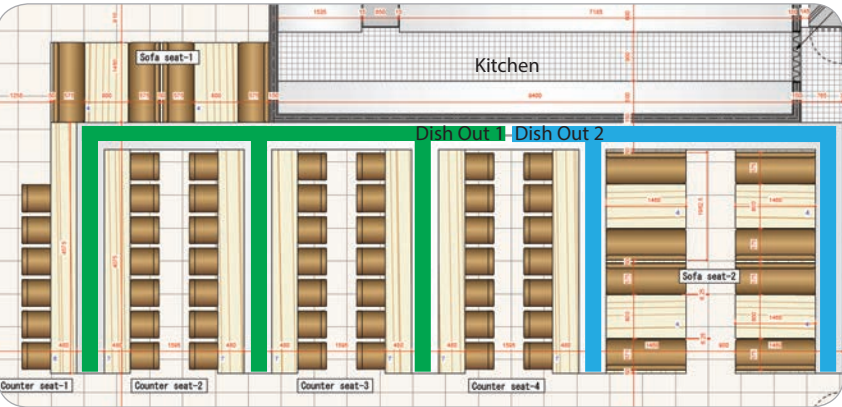
- Safety Sensor (Front & Back)
- Customised Food Tray
- Safety Bumper (Front & Back)
- Aluminum Track
- LED Notification
- Touch Return Button
- Voice Notification



Touch Screen Tablet,
Charging Station, Wi-Fi
Router Included.



Track Configuration



- Track 1
- Track 2



90 Deg Bend (Lrg)



90 Deg Bend (Sml)



Straight Section



Tee Bend (Sml)



Customize Bend

Automation & Control have developed a pay as you go scheme, Sence Per Motion.

Automation & Control offer our Sence Per Motion Services, the capacity to pay per-motion for leased automative systems & robotics, to all customers.

To help compensate the cost of incorporating an automated system into your plant and equipment we can offer Sence Per Motion.

The concept of Sence Per Motion allows you to pay for your automated system as it creates value for your business. This system will allow you to repay your investment in monthly installments for each operation and motion your equipment provides.

We will cover supply, installation and maintenance of your equipment and include remote monitoring to ensure minimised downtime and maximised production.



We offer the option to pay for an automated system as it creates value for your business. **Contact us for more information.**



Contact us for your
Sence Per Motion
Enquiries



Automation & Control supply Paglierani Packaging Systems which offer a wide range of solutions for filling various types of bags and products.

The packaging machines for solid products (powder, granules, pellets or flakes), whether foodstuffs or mineral in origin, offer a wide selection of functions including dosing, weighing, sealing and labelling. All using a compact, sturdy and economical packaging system.

Paglierani automatic packaging machines offer the perfect balance between function and practicality with the advantage of efficiency.



Contact Us for your Packaging Systems



DA Series Packing Machine



VT 400 VFFS Series Packaging Machine

Automation & Control supply Automatic Weighing Systems, Machines, Scales (weighers) for industrial plants.

Paglierani automatic weighing machines, systems and scales are manufactured with high quality materials and years of experience in design and construction. With a high weighing accuracy, reliability and high packaging, bagging and process weighing performance. Paglierani electronic weighing machines are the winning choice for competitive results.



ND Series Weighing Machine



PDP Series Weighing Machine



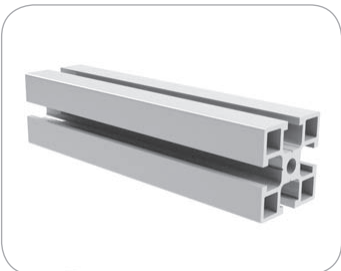
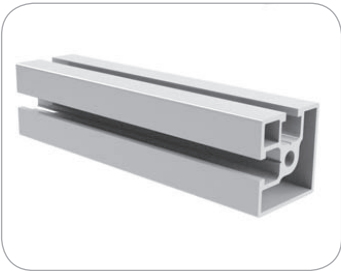
NE Series Weighing Machine

Aluminium Profile Extrusions

Automation & Control supply the large range of Aluminum Profile Extrusions and full range of accessories.

The range includes aluminum profiles that are suitable for use in frame building, workstations including Class 7 & Class 8 clean room applications, machine guarding, modular conveyor systems, belt conveyor systems, powered linear guides and more.

Workstations, Machine Guards, Clean Rooms & High Altitude Training Rooms, Safety Fencing, Machine Frames, T-Slot Aluminum Profile, Connectors, Caps & Cover, Supports, Feet & Hinges, Linear Guides & Actuators.



An full range of Aluminum Profiles is available to suit your specialised requirements.

Product Dosing & Handling Systems

Automation & Control supply Paglierani Micro-dosing Systems and Volumetric Dosers.

Paglierani micro-dosing systems and volumetric dosers, built with high quality materials and components, are the result of extensive experience in this area of expertise and high skill construction techniques. With a guarantee of high precision and performance choosing Paglierani micro-dosers means the ease of a system that is fully integrated into the process.



FCC Ponderal Doser



FCV Volumetric Doser



PKD Multi-Head Micro-Doser

Oil Analysis

Oil analysis is a cost effective method of determining the condition of existing lubricants, helping to extend service life and reduce failure of equipment. Programs can consist of either in-house or external testing which test for four major indicators - base oil degradation, water content, presence of contaminants, and metal or iron particle contaminants.

Energy Audits

Energy consumption can be reduced by up to 40% in some applications through analysing inefficient and poorly designed systems, and by adopting modern design practises. Environmental Sustainability begins with understanding how much energy you currently use, and how you can reduce that consumption to a more environmentally friendly level.

Laser Alignment

Misalignment in mechanical systems such as drive assemblies is a major factor of increased wear and premature failures. Using traditional alignment techniques incorporating straight edges and dial indicators are extremely time consuming, subject to methodology errors and physical limitations. Laser alignment techniques are fast, accurate and remove many human errors from the process.

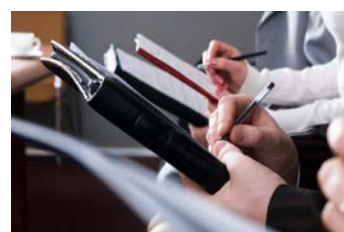
Vibration Analysis

The predominant technology employed in condition monitoring, and used to determine the condition of various mechanical components, is Vibration Analysis. This non-invasive technique collects vibration data from machines under normal operating conditions, usually around bearing locations, and can help predict service life expectancy and urgency of repairs. Planned and scheduled maintenance is preferred over emergency downtime.

Training

Utilising technical expertise, Techquip have developed comprehensive product training programs.

From the engineer seeking assistance with selecting the appropriate materials or components, a distributor who wants to provide the best available advice and products to their customers, or a maintenance person interested in getting the maximum uptime and service life, we have the solution for your plant, staff and equipment training needs.



Balancing

After installation or long service, equipment can become unbalanced. As such, fans, pumps and rotors can transfer undue stresses and additional loads into bearings, motors and couplings, substantially reducing component service life and potentially causing catastrophic failure. Techquip offers a balancing service to ensure long equipment life to maintain peak efficiency.

Consulting & Design

Techquip provides engineering consulting services for upgrades and new equipment designs with aid from our experienced staff within our group of companies. Utilising the latest up-to-date information, we provide optimised solutions for your plant's design requirements. Our trained engineers can design individual components through to complete plant layouts.

Preventative Maintenance

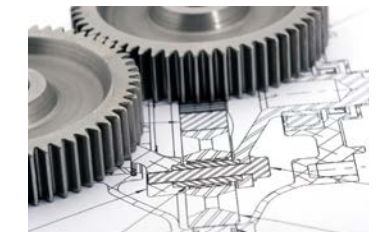
Techquip recommends adding security to your process by offering Preventative Maintenance Contracts (PMC) for your equipment. This can significantly help reduce failures and detect faults early on before they lead to larger issues, adding peace of mind to your operation. Each PMC is tailored to suit individual requirements of each customer with prioritised service as a key feature.

Onsite Plant Repairs

Our field services team have had many years experience in plant maintenance and can assist with breakdowns and installations. This may be after hours or scheduled. Attached to these can be full plant audits pre and post repairs, backed by our engineers to ensure the correct fix has been employed to keep your operation functioning well into the future.

Mechanical Refurbishment

Techquip has a fully equipped service centre, where strip and rebuild, refurbishment, or project builds can take place. Spanning from gearboxes, motors, couplings, bearings, seals, actuators, complete drive assemblies, screw conveyors, dust collectors and more, all can be overhauled or built new with the confidence of being tested and functioning before reaching site. Our service centre carries a large inventory of spare parts for immediate repairs and breakdown situations.



OUR DIVISIONS

Mechanical Equipment Group (MEG) comprises of companies, Chain & Drives, Inquip, Techquip, Parts Book, Tank Enviro Systems and Automation & Control, established to provide a greater range of products and services to our ever growing customer base.



Automation & Control are a leading supplier of robotics, automated systems and process control solutions. Our team combine our mechanical and electrical engineering knowledge with our market leading range of products.



Chain & Drives was established to become the leader in Power Transmission. To complement our range of products, we offer initial concept design of your project and specialised requirements, by utilising our 3D drafting and modelling systems.



Inquip is the distributor for the WAM GROUP of companies range of bulk materials handling, processing and monitoring equipment, Oli Vibrators product range & Kinder bulk material handling product range.



Techquip a leading supplier of technical engineering services for Power Transmission and Bulk Materials Handling. Including design, installation, maintenance and mechanical services.



Parts Book is dedicated to equipping our clients with simple and efficient procurement services through our forward thinking approach and multi-tiered structure, providing our clients with tools required to grow and excel within their respectful industry sectors.



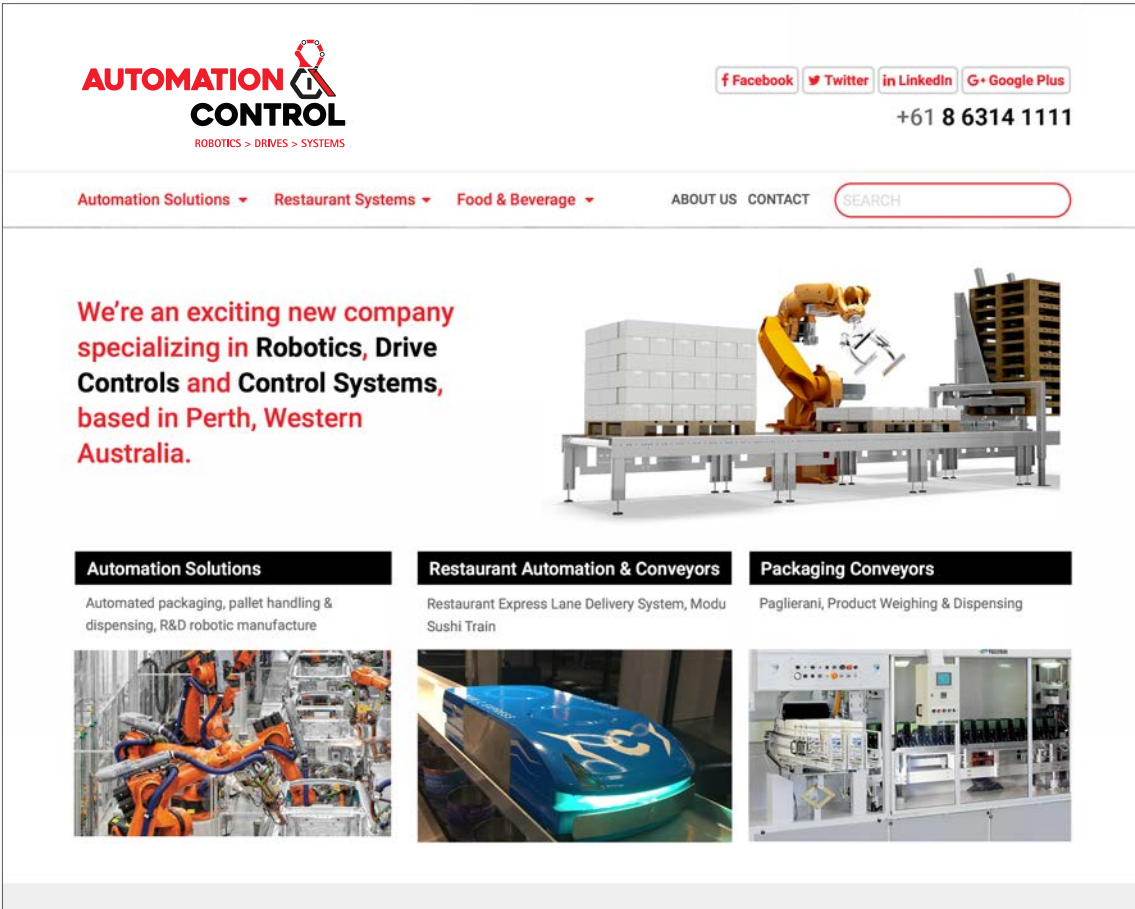
Tank Enviro Systems was established in Australia as the exclusive distributor of Brentwood USA – Polychem Systems and associated products.



ABN 30 617 309 896
Head Office:
22 Beneficial Way, Wangara, WA, 6065
T: +61 8 6314 1100
F: +61 8 9303 4977
E: info@megggroup.com.au

OUR NEW INTERACTIVE WEBSITE WITH TOOLS, ONLINE FORUM, INSTANT ENGINEER SUPPORT, ONLINE STORE & IN-DEPTH TECHNICAL LIBRARY COMING SOON

REGISTER NOW TO RECEIVE UPDATES

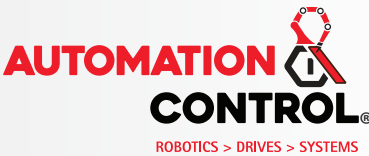


Contact Us for a copy of our MEG Corporate Overview



Contact Us

Phone: (08) 6314 1111
Fax: (08) 9303 9447
Sales & Workshop: 22 Beneficial Way, Wangara, WA, 6065
Postal Address: PO Box 1343 Wangara WA 6947
Email: info@automation-control.com.au
Website: www.automation-control.com.au





MECHANICAL
EQUIPMENT
GROUP®

INNOVATE > BUILD > SUPPORT
meggroup.com.au

AUTOMATION CONTROL®

ROBOTICS > DRIVES > SYSTEMS



PAGLIERANI

Rexroth
Bosch Group

SENCE
AUTOMATION SOLUTIONS

TRANSDRIVE
POWER TRANSMISSION

Damon
Damon Simplifies Logistics

modu®
Simplicity · Solutions

INQUIP
BULK MATERIAL
& DUST HANDLING
PRODUCT · DENSITY · FLOW

TECHQUIP
DESIGN · INSTALLATION · SERVICE

CHAIN & DRIVES®
COMPLETE POWER
TRANSMISSION
POWER > SPEED > TORQUE

MODQUIP
MODULAR CONVEYORS & EQUIPMENT
modquip.com.au