

INTEGRATED SOLUTIONS 2022



R.DAN & CO.,INC. www.robertdan.com.ph

Lot 6-9 Block 5 Greenway Business Park,
Bulihan, Silang, Cavite, Philippines, 4118

Contact us at

+63.2.8463.5651
info@robertdan.com.ph

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This year, 2022, marks 68 years since the founding of our company. Adaptation to the changing market requirements has been our secret to our growth and survival. Strategic partnerships with world-class entities have also infused a culture of excellence.

My father, Robert Dan established the company to provide consulting and engineering services for then, fledgling paper industry in the Philippines. Notable clients included Keng Hua, Aclem, PICOP, Bataan, TIPCO. Having been educated in America in Paper making, my father formed the technical backbone of the industry and sometimes hailed as, “The Pope of the Philippine Paper Industry”. We started distributing equipment and consumables for the paper industry shortly thereafter, and also started to provide beltings, and belting services to a wide range of industries, providing a steady stream of day-to-day business.

In 1989, with me as the second-generation leadership, I started our manufacturing facilities, fabricating conveyors and paper machinery, and in 1993, we partnered with Voith of Germany. We started exporting to neighboring countries like Thailand, Indonesia, Taiwan, Malaysia, etc. Due to their move to focus on the Chinese market, we parted ways with Voith in 2000 and reverted back to the original family business, and focused more on conveyors for airports and logistics, and the food industry. It was timely as paper became of lesser importance. Notable projects included Changi Airport in Singapore, DHL distribution hub, NAIA Terminal 3, and all the regional airports in the Philippines.

Today, R. Dan and Co, is on its 3rd generation of leadership under helm of Adrian Dan, as CEO, focuses on Systems Integration for large automated systems, with fully computerized machine tools, and a strong team of design engineers to custom design automated systems for the airports, logistics, food, and warehousing. These include high speed sorting, transporting, and robot palletizers.



Notable projects with Japan Tobacco International, Monde M.Y. San Corp., DHL, Lamsan, Anna’s Breeders featured custom designed systems to give the customers maximum benefits at lower investment costs. Our vertically integrated manufacturing in our 7,000 sq meter factory, ensures world-class quality, as well as faster delivery to our clients. Noticing the need for after sales service, we started to offer on site maintenance crews located at the client s factory. I need to acknowledge and honor the men and women who are responsible for what R. Dan and Co, is today, and of course, Jesus Christ who is Lord of Lords.

MISSION

To provide professional engineering consulting services and modern conveying solutions that increase the productivity & competitiveness of our customers.

VISION

To be the Philippine market leader in belting and conveyor solutions, and the most admired in our industry for our people, partnership and performance.

OUR CORE VALUES

- Customer satisfaction
- Integrity
- Unwavering commitment



OUR HISTORY

R. Dan & Co., Inc. was founded in 1954 by Engr. Robert Dan, the pioneer of belting solutions and Pulp & Paper Machinery consulting in the Philippines. His son, Engr. Raymond Dan, envisioned bringing best-in-class conveying solutions to Filipino companies. Educated abroad, his dream was to help Filipino companies become more efficient and more competitive with other global companies.

Originally the exclusive distributor of Forbo Siegling belting, R. Dan & Co., Inc. has since expanded. Today, they carry the world's leading brands in conveyor belting and material handling systems and offer professional engineering and system design services. They have served clients across multiple industries such as logistics, airports, e-commerce, FMCG, manufacturing, agriculture, and energy.

Some notable projects include the baggage handling systems of Singapore Changi Terminal 2, NAIA 3, Puerto Princesa International Airport, and majority of the other major international and domestic airports in the Philippines. Notable clients in other industries include DHL, FEDEX, LBC, Lazada, Unilever, URC, Monde MY San, Japan Tobacco International, Franklin Baker Inc., and many more.

R. Dan & Co., Inc. operates a 7,000 square meter facility located in Silang, Cavite, installed with state of the art equipment and with a dedicated quality control laboratory for producing high quality design machinery for international markets. The company employs 140 highly-trained engineers, skilled workers and administrative staff.

With over 65 years of experience across multiple industries, we are the leading provider of unparalleled engineering expertise for integrated and world class conveying solutions in the Philippines.



R.DAN & CO., INC. FACILITIES

Factory Information

Located in Greenway Business Park, Silang Cavite. R. Dan & Co., Inc. now operates under a 7000sqm facility with State-of-the-art precision cutting, bending and milling. Within this facility, we are able to conduct large demonstrations including system integration between various types of conveyors and robotic arms. Our belting sales personnel are licensed mechanical engineers ready to find you the right belts for the right application.

Our belting warehouse is home to a variety of belts for emergency requirements. We are able to meet the urgent demands of our customers including customization or modifications of existing belts and splice up to 2,200mm wide belts.

This facility is also home to the R. Dan & Co., Centre of Excellence, a showroom and R & D center showcasing the best of Philippine ingenuity and the newest global trends like Palletizing Robots, AMRs and Volumetric Scanners.

Factory Services

R. Dan & Co. is capable of producing made-to-order conveyors and provide various turnkey solutions. Our products include:

Products

- Custom Belt and Roller Conveyors
- Standard Chain and plastic belt conveyor
- Sanitation Conveyors
- Robot Palletizer
- Stretch Wrapping
- Vehicle Loaders
- Dimensioning Systems
- End-of-line Systems
- Baggage handling Systems
- Bulk material handling systems
- Pulp and paper systems
- Sortation systems

Services

- Custom Sheet Metal Parts
- Layouts and designs
- Turn-key solutions
- System Integration and
- Automation
- Preventive maintenance

INDUSTRY PRESENCE

We provide professional engineering services and cutting edge conveying solutions to customers across multiple industries

 Food and Beverage	 E-Commerce	 Airport
 Parcel and Express	 Tobacco	 Agriculture
 Pulp and Paper	 Cement Ground and Aggregates	 General Merchandise/ Fashion

VALUED PARTNERS



BELTING SERVICES

Application Consultation

Our Belting Sales Engineers are ready to assist you to find the right solution for your application. We are happy to assist you on seminars for proper belt storage, care and cleaning, technical orientations in proper belt installation, tensioning and tracking as well as belt inventory management.

Customization and On-site Splicing

Our various high tech equipment allows us to customize to your needs which include:

- Profile and guide welding
- Corrugated side walls
- On-site vulcanizing/spicing up to 2.2meters
- Installation of mechanical fasteners
- Sealed edges
- Customized timing belts
- Perforations
- ...and much more

Warehouse and Inventory

Our 800sqm warehouse has an extensive range of belts ensuring you of faster delivery and availability especially during emergencies.

Industry & Application

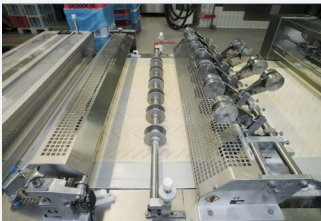
- Food Industry
- Industrial Production
- Raw Materials
- Paper Industry
- Logistics and Airports
- Tobacco Industry
- Textile Industry
- Printing Industry
- Agricultural Industry



Total Solutions:

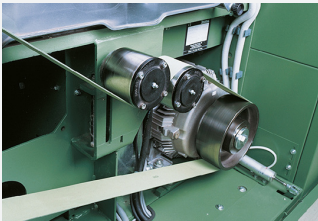
A global industry leader in supplying high-quality conveyor belts and processing belts, as well as plastic modular belts, power transmission belts, and timing and flat belts made of synthetic materials. They are used in a variety of ways in manufacturing and in the retail and service sectors, leading manufacturing companies all over the world count on Forbo Movement System specialists as competent partners in developing groundbreaking solutions in conveying, processing, manufacturing and power transmission.

There is hardly a production process or link in the supply chain that doesn't use synthetic belts:



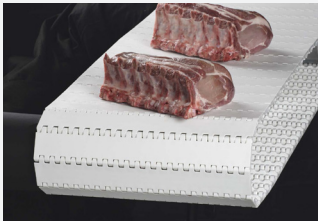
Conveyor & Processing Belts

For speeding the flow of goods and for economical processing in all industries.



Power Transmission Flat Belts

Optimized for numerous operations, proven in nearly all areas of manufacturing.



Plastic Modular Belts

A useful supplement to conventional conveyor belts in many applications, especially in the food industry.



Timing Belts

A very versatile machine component in modern power transmission and handling technology.

HORIZONTAL CONVEYING

Belt types for various goods, conveying speeds, reversing systems, stop-and-go, and accumulation conveying, as well as, other operating conditions.

- Fray-Free Belt for Conveying Dough
- Modular Belts on Confectionery
- Web Extraction Belt for Rotary Moulder
- PVC Belt Conveying for Electronics/Semicon

CURVED CONVEYING

We guarantee strict adherence to the geometrical shapes, designs, and dimensions required.

- Modular on Decline/ Incline Flex Conveying
- Modular in Beverage Conveying
- PU Curved Belt on Biscuits Conveying
- PU Curved in Confectionery

INCLINED CONVEYING

Goods can be conveyed at an incline even on smooth surfaces. We offer patterned belts/belts with lateral profiles and sidewalls.

- Modular with Sidewalls/ Profiles Conveying Fruits
- Homegenous Belt/PVC with Sidewalls/Profiles Conveying Meat of Cheese
- Transtex Belt
- Conveying Flour/ Feeds in Sacks
- Patterned Belt Conveying Boxes

TIMING BELT

High Efficiency belts made of high quality polyurethane with embedded tension member made of steel cord or kevlar.

- Timing Belt Engaged with Drive
- Timing Belt with Cam, Coating and Covering

PAPER AND PRINT

Our folder and carrier belts have constant friction properties, good release, and grip attributes with long service life.

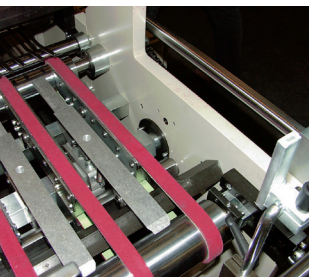
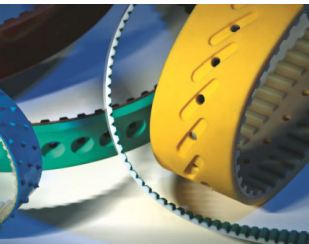
- Feeder Belts with Linatex Coating
- Folding and Gluing

SUPPLEMENTARY PRODUCTS

Additional products such as Round Belts. Mesh Belts. and Mechanical Fasteners are also available.

- Round Belt Engaged with Pulley
- PVC Belt with Mechanical Fastener

OUR PRODUCTS PROVIDE SOLUTIONS FOR NUMEROUS APPLICATIONS IN THE WIDEST RANGE OF INDUSTRIES





ENGINEERING

- Designed and customized to your needs
- Over 30 years of engineering experience
- Trained mechanical, electrical, and automation engineers



LIFTING & OVERHEAD CONVEYORS

- Various lifting and spiral systems
- Maximize floor area with our overhead system
- Payload up to 25kg/meter



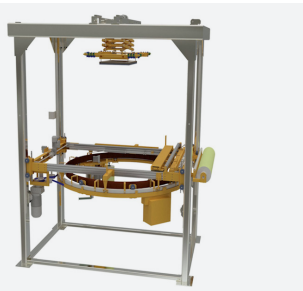
SORTATION

- Various applicable starters and diverters available
- Customizable with chains, belts and rollers
- Applicable with Zero Pressure Accumulation



PALLETIZING

- Heavy Payload
- High Torque
- Collision Detection
- User-friendly UI for programming patterns



STRETCH WRAPPING

- Ranging from 50-120 loads
- With soft start/stop
- User-friendly touch panel
- With a variety of film delivery systems



LOADING

- Extendable to your needs
- Customizable carriage
- Excellent safety features

IN THE FOREFRONT OF CUSTOMIZATION

End-of-Line System is an automated operation at the end of a production line which guarantees that product is prepared, packed and transported with minimal need of human operator using different machines combined to make an integrated or stand alone End-Of-Line solution.

Our systems go above and beyond your typical systems bringing your products to and from the production and warehouse smoothly and safely. Our systems are customizable to fit the most delicate products like glass bottles to the bulky and dusty products like Flour and other chemicals. We cater to totes, cases, bags, cans, and many others.

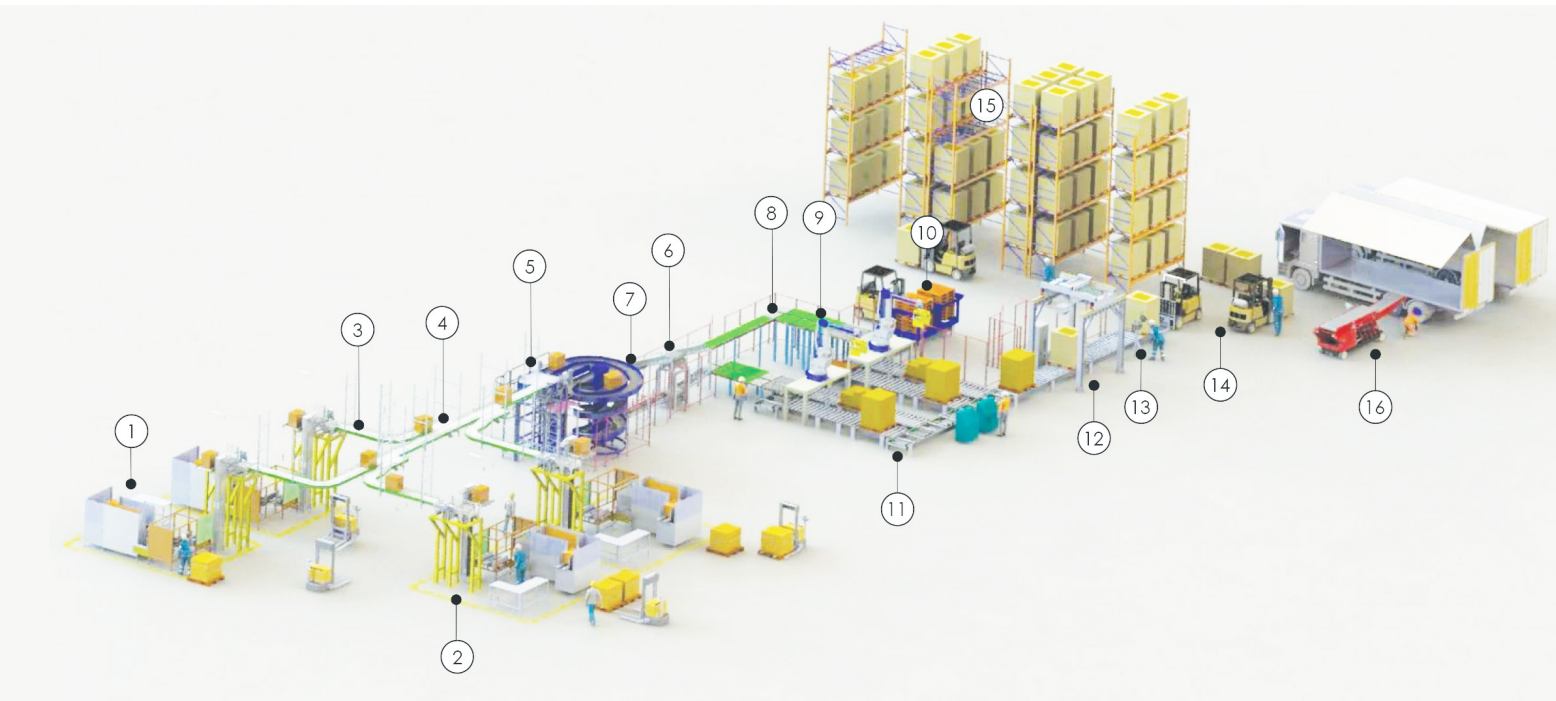


TURNKEY SOLUTIONS TO FIT EVERY NEED

With over 30 years of experience in design, fabrication and system integration, we have served several of the top Philippine manufacturing companies with our end-of-line solutions. We are capable of conceptualizing and modifying existing systems to fit our customer needs. We have partnered with the top global brands to bring the best in class machinery and integrate them to a user-friendly interface as well as providing 24/7 support and excellent preventive maintenance services.



VISUAL REPRESENTATION OF OUR END-OF-LINE SYSTEMS



- | | | |
|---|--------------------------------------|--------------------------------|
| 1. Case Packing | 5. High Speed Diverting | 12. Stretch Wrapping Equipment |
| 2. Lifter Systems | 6. Weighing and Printing | 13. Labeling And Printing |
| 3. Overhead Conveyor <ul style="list-style-type: none">a. Plastic Chainb. Roller Conveyorc. Plastic Modular Belts | 7. Zero Pressure Accumulation System | 14. Pallet Lifting |
| 4. Merging and Traffic Systems | 8. Infeed Conveyors And Diverting | 15. Pallet Storage |
| | 9. Palletizing Robots | 16. Loading Systems |
| | 10. Automatic Pallet Dispenser | |
| | 11. Automatic Pallet Conveyors | |

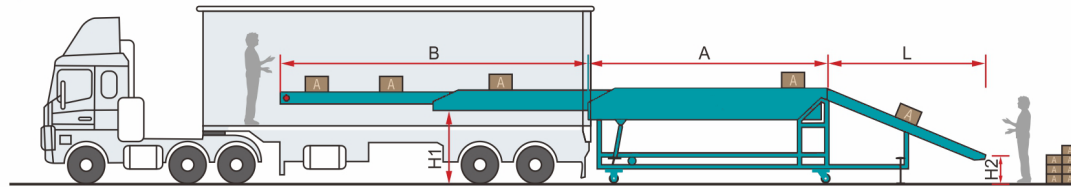


Up to 50kg Payload
Collision Detection
CE Approved
Customizable

HIGH CHASSIS TYPE 15030



HIGH CHASSIS TYPE 15030

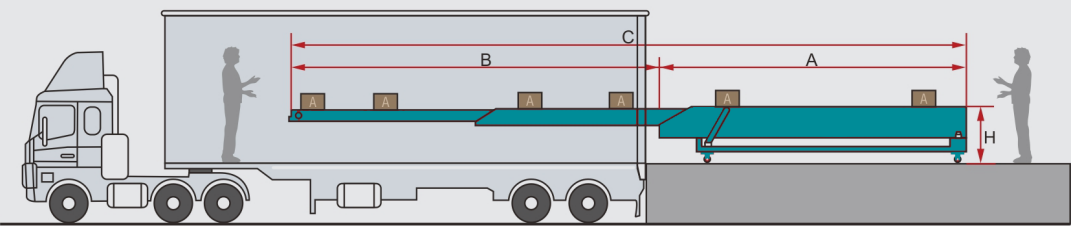


Model	Sections	Retracted Length A (mm)	Extension Length B (mm)	Slope (mm)	Height H1/H2 (mm)	Belt width (mm)	Installation Way
V3-5+6.5	3	5000	6500	4000	1600/750	600/800/1000	Fixed/Mobile
V3-6+8		6000	8000				
V4-5+10	4	5000	10000	4000/4500	1600/750	600/800/1000	Fixed/Mobile
V4-6+12		6000	12000				
V4-7+14		7000	14000				

FIXED TYPE 15010



FIXED TYPE 15010

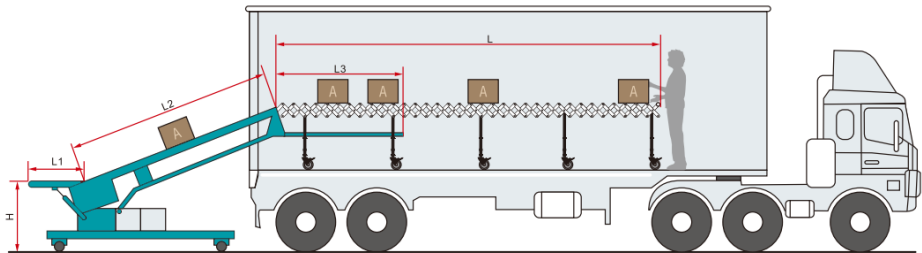


Model	Sections	Total Length C (mm)	Retracted Length A(mm)	Extension Length B (mm)	Height (mm)	Belt width (mm)	Mobile Way
M3-6+8	3	14000	6000	8000	900	600/800/1000	Manual/Motorized
M3-7+9.5		16500	7000	9500			
M4-5+10	4	15000	5000	10000	900/1050		Motorized
M4-6+12		18000	6000	12000			
M4-7+14		21000	7000	14000	1100		Rail
M4-8+16		24000	8000	16000			

MOBILE TYPE 15020



MOBILE TYPE 15020



Model	L1 (mm)	L2 (mm)	L3 (mm)	L (mm)	H (mm)	Belt width (mm)
B6-600	1200	3000	2500	6000	500-750	600
B6-800		6000	2600			800



Heavy Payload
Large Operation Range
High Torque
Collision Detection
CE and UL Approved



Ultra high speed model

AI1800
AI1800-W

Capacity: 1720 cycles/hour Payload: 160 kg
Capacity: 500 cycles/hour Payload: 350 kg



High speed model

A1600V

Capacity: 1600 cycles/hour Payload: 140 kg



Standard speed model


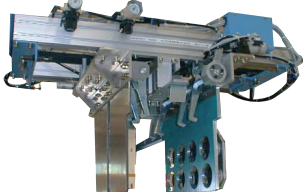
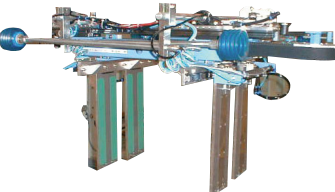
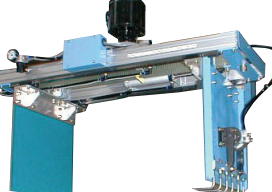

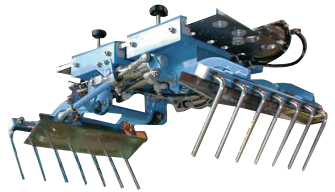
AI700

Capacity: 700 cycles/hour Payload: 140 kg
*up to 160 kg payload with optional counter weight



Model	Ai1800		A1600V	Ai700
	Ai1800	Ai1800-W		
Motion System	Multi - Articulated, Polar Coordinate System			
Maximum payload	160kg (352 lbs)	350kg (771 lbs)	140kg (308lbs)	140kg (308 lbs) 160kg (352 lbs) * with optional counter weight
Controlled Axis	4	4	4	4
Degree of operation Range	R-axis: 360 degrees D-axis: 2300mm O-axis: 1518mm T -axis: 440 degrees			R-axis : 360 degrees D-axis: 2300mm O-axis: 1750mm T -axis: 440 degrees
Handling Rate	1720 cycles/hr	500 cycles/hr	1600 cycles/hr	700 cycles/hr
	The handling rate depends on layout and/or hand (multi-picking) . The maximum payload is not related to the capacity.			
Accuracy	Repeated stop position accuracy ±1mm			
Robot Weight	1220kg (2854 lbs)	1360kg (2998 lbs)	1180kg (2600 lbs)	1335kg (2943 lbs) 140 kg payload 1375kg (3031 lbs) 160 kg payload
Pneumatic Consumption	180L/min (ANR)			
	When equipped with a pallet dispenser 300L/min(ANR)			
Ambient Temperature	0-40°C			
Relative Humidity	35-85%			
Power	6.5kVA			2.5kVA
Color	Nittoko C25-80B (Japan Painting Industry) Mancell 5Y8/1			

Standard Hands

S type	KP type	DA type
		
(For cardboard cases)	(For both cardboard cases and P boxes)	(For tied cardboard bundies)
C type	F type	B type
		
(For cardboard cases)	(For both cardboard cases and P boxes)	(For bags)

Fine Conveyor Series



The Fine Conveyor series was developed for conveying small, lightweight items. Constructed of aluminum, stainless steel and resin components, this simple yet sophisticated design is best for a clean working environment in assembly, inspection, and packaging processes at factories, distribution centers, and offices. This series is ideally suited to the handling of high quality products.

Capacity
Low Speed : 20 kg/m or 50 kg/unit High Speed : 20 kg/m or 35 kg/unit

Model	Belt Width	Length	Drive	Motor Power	Power
FBH	200~800 mm	600~8000 mm	Center	90 w	AC200V Single phase / Triple phase

Jabucon II Series



Smart, clean and waterproof “Jabucon” conveyors have an all-stainless body, and a drive section protected by 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.

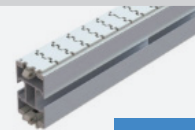
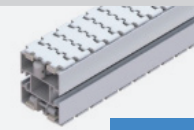







Features
90 w Waterproof motor IP65
25 kg Carrying Capacity

Model	Belt Width	Length	Drive	Motor Power	Power
JHH	95~595 mm	1000~4000 mm	Front / Rear	90 w	AC200V Single phase / Triple phase

TABLE TOP CHAIN

MODU System provides diverse plastic chain conveyor systems. All conveyor systems can be effortlessly assembled with standard tools. MODU System components are prepared with anodized aluminum and molded plastic, giving a spotless and aesthetic outlook. Our

stock is readily available. The bends, straights and supports are made up of pre-assembled pieces in which MODU System conveyors can be assembled in a lesser time using simple hand tools.

ALUMINUM FRAME					
	MP	MS2	MM3	ML2	MX2
STAINLESS STEEL FRAME					
		DS2	DM3	DL2	DX2
CHAIN WIDTH	35 mm	63 mm	83 mm	140 mm	220 mm
BEAM WIDTH	45 mm	65 mm	85 mm	145 mm	225 mm

Uni-con II Series



This best-selling system conveyor is designed for handling medium-weight materials. We have achieved a short delivery period and low cost via thorough standardization and modularization. Various types of units (straight advance conveyors, curves, branches and accumulators etc.) can be freely combined into a system layout suited to the work conditions and material to be handled.

The **XLM** Unicon II conveyor employs a drive shaft & round belt line-drive system, with a 70 kg/m carrying capacity.

Model	Roller Width	Length	Drive	Motor Power	Power
XLM	305~990 mm	1000~3000 mm	Under	0.4~0.75 kw	AC200V Triple phase

Belt Driven Rolling Conveyor

The XDR's rollers are driven by a 150 mm wide flat belt. The drive force can be adjusted to suit the weight of the conveyed products using the pressure roller adjustment plate.

Capacity
70 kg/m Carrying Capacity

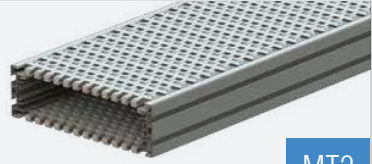
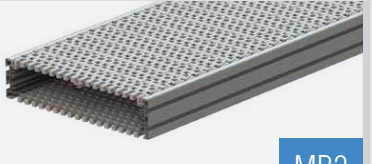
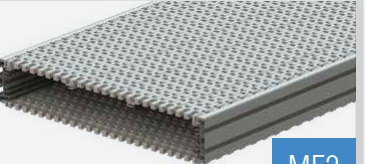


Model	Belt Width	Length	Drive	Motor Power	Power
XDR	390~990 mm	3000~18000 mm	Under	0.4~1.5 kw	AC200V Triple phase

TABLE TOP CHAIN

The new modular plastic belt conveyor system from MODU is a simplified solution for conveying large products. All components of the plastic belt conveyor are standardized for easy engineering, maintenance and operation. Simplicity in its design makes MODU System's new plastic belt conveyor reliable, flexible, safe and adaptive to any requirements. The white POM belt surface can

be matte or smooth which minimizes the risk of scratches on products, allowing safe handling of sensitive products. Plastic belt conveyor systems are designed to integrate with new and existing production equipment. Machinery that has been laid out to fulfill factory and operator requirement can easily be aligned using suitable components and conveyors from our modular range.

ALUMINUM FRAME			
	MT2	MR2	MF2
CHAIN WIDTH	315 mm	438 mm	585 mm
BEAM WIDTH	360 mm	480 mm	625 mm



Designed for difficult non-free flowing bulk solids, the Saxlund Push Floor is mainly suitable for the cement industry, timber and wood board industries as well as for sludge cake handling in the water industry as well as many other industries worldwide.

The Push Floor is an 'original' discharger design by the Saxlund International Group for square and rectangular bunkers. The flat bottom floor concept gives many advantages and can be used in a number of different configurations to suit the client's particular requirement.

Reliable discharge and accurate metering can be achieved on demand, providing 'Live Storage' feed solutions to a down stream process for bulk solids, particularly non-free flowing, heavy, wet and difficult to handle materials.

Operating Principle

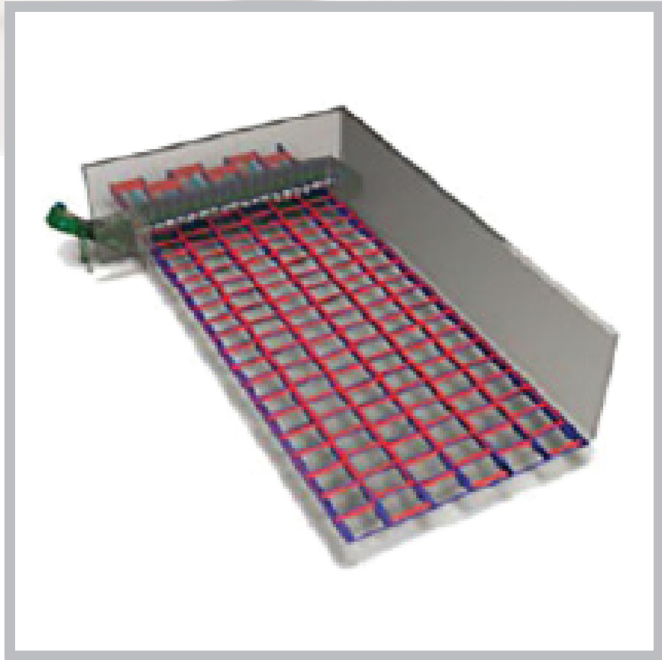
A series of parallel pusher frames (ladders) are connected to a series of hydraulic cylinders located at one side of the Push Floor. Each ladder performs a reciprocating motion on the flat bunker floor shearing a layer of material from the bunker into a collection conveyor. 'Stop tubes' and 'leveling rolls' can be incorporated for smoothed discharge if required.

The Push Floor discharge machine can be used in three basic configurations.

- SB pushes material to one end of bunker
- ZB pulls material to one end of a bunker
- SZB push and pulls material to the centre of a bunker

The Push Floor can be used to fill a screw conveyor, chain conveyor or solids pump etc. according to the feed requirements of the next process.

The Push Floor can also be used as a 'drive in, tip and leave' machine or indeed as a stockpile reclaimer.



Typical Discharge Rates:

- Up to 500m³/hr per module

Typical Floor Sizes:

- Up to 9m wide per section of floor
- Up to 25m long
- Multiple floors can be used dependent on space constraints

Advantages:

- Effective and simple operation
- Uniform draw down of material on "first in, first out" principle provides mass flow
- Accurate discharge and metering of stored material on demand
- External maintenance possible - even with full bunker
- Low power usage - ladders move only required loose material
- Low maintenance costs
- Flat bottom bunkers - economic to construct and maximize capacity

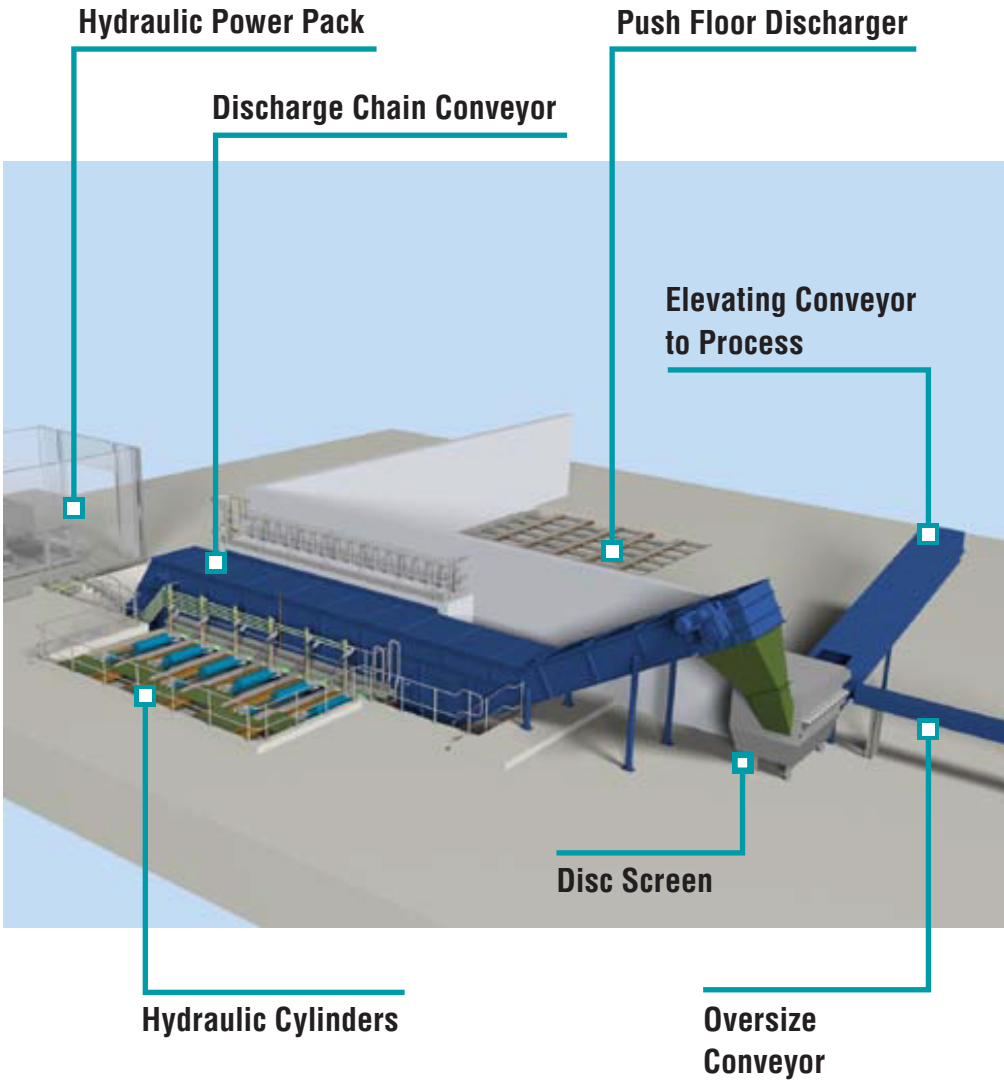
Typical Materials:

- Wood chips
- SRF and RDF
- Wood pellets
- Tyre chips
- Shredded waste wood
- Palm nut kernels
- Peanut husks/olive waste
- Sludge cake
- Bark

Typical Applications:

- Biomass Power Station Fuel Store
- Secondary Fuel Store
- Truck Reception Bunker
- Truck Loading System

Push Floor System



Typical Application: Reclaiming of Wood Chip, RDF or SRF for Gasification



