Customized & Engineered to Order

Conveyor Systems  Global Installations

Antípoda Lda, Headquarters, Maia, Portugal
George A. Wright & Son Ltd Toronto, Canada
Apro technology Sarl, Strasbourg, France
Antípoda German office, Dusseldorf, Germany
Timeline

- Founded
- MIT, InescTec Partnership
- Internationalization
- R&D Department
- New Facilities
- Standardization
- Product Range
- A pro Technologies
- New Facilities
- Copacking business
- Industrial Analysis business
- German office
- New product development to meet Industry 4.0

Year:
- 2002
- 2008
- 2010
- 2011
- 2012
- 2014
- 2015
- 2016
- 2019 & Future
Conveyor Systems Supply

Modular Conveyors
- Pallet Handling conveyors
- 24V Pallet Handling conveyors
- Line-Shaft conveyors
- 24V conveyors
- Belt conveyor
- Tangential belt conveyors
- Flex conveyors
- Modular Belt conveyors
- Vertical Lifters

Intralogistics Systems
- Palletizing
- Bulk handling
- Parcel, box and totes handling
- Robotics
- Packaging
- Labeling & Tracking
- Volume and Weighting control
- WMS
- PLC control
- Process transference conveying

Engineering Services
- Installation
- Mechanical services
- Electrical services
- Commissioning
- Automation
- Layout flow simulation
- Maintenance premium
Core Skills

Extensive experience
Senior engineering team

Mechanical
Electrical
Automation

Design
Manufacturing
Maintenance
Installation and commissioning

Planning
R&D Innovation and Design
Strong supply chain

Automation Software
Machinery
FEA Analysis
Layout flow simulation
Pre-Engineered Palletizing Conveyor Modules

CDLR Tangential Roller Drive Conveyors
CDLR Roller to Roller Drive Conveyors
2 & 3 Strand Chain Conveyors
Pneumatic Pallet Dispenser
180° + 90° - 90° Turntable Module
RGV Pallet Transfer
SLLT Transfer Conveyor
Low Profile CDLR Conveyors
Fork Lift & Pallet Jack Conveyor Modules
Pallet Stack Guide

Applications & Engineering Specifications Catalogue Version V3 R1
Palletizing Enquiry Form
Require CAD Drawing and Complete Specifications

Company Information
Operating Conditions
Pallet Specifications
Roller Conveyor Specifications
Chain Conveyor Specifications

Available Conveyor Finishes
Powder Coated Standard [Options, Galvanized, Aluminum, T-304 Stainless-steel]

Maximum Pallet Loads
<table>
<thead>
<tr>
<th>Roller Pitch</th>
<th>Kg.</th>
<th>Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 mm</td>
<td>900</td>
<td>1980 lb.</td>
</tr>
<tr>
<td>175 mm</td>
<td>1200</td>
<td>2640 lb.</td>
</tr>
<tr>
<td>150 mm</td>
<td>1500</td>
<td>3300 lb.</td>
</tr>
</tbody>
</table>

Applications & Engineering Specifications Catalogue Version V3 R1
**CDLR Roller Conveyor Modules**

**CDLR Tangential Drive Conveyors Modules**
- 150mm Roller Pitch 32 Conveyor Length Modules
- 175mm Roller Pitch 28 Conveyor Length Modules
- 200mm Roller Pitch 25 Conveyor Length Modules

[Tables 2, 3, 4]

**CDLR Roller-Roller Drive Conveyors Modules**
- 150.81mm Roller Pitch 25 Conveyor Length Modules
- 174.63mm Roller Pitch 28 Conveyor Length Modules
- 194.44mm Roller Pitch 32 Conveyor Length Modules

[Tables 9, 10, 11]

<table>
<thead>
<tr>
<th>BF (mm / in)</th>
<th>OW (mm / in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>930 / 36.61</td>
<td>1060 / 41.73</td>
</tr>
<tr>
<td>1130 / 44.49</td>
<td>1260 / 49.61</td>
</tr>
<tr>
<td>1130 / 44.49</td>
<td>1260 / 49.61</td>
</tr>
<tr>
<td>1300 / 51.18</td>
<td>1430 / 56.30</td>
</tr>
</tbody>
</table>

BF Between Frames - OW Overall Width

Galvanized Rollers are Standard [Optional T-304 Stainless-steel]

Standard Roller Ø 76mm / 3.00in [Optional 80mm / 3.15 in and 89 mm / 3.50 in]

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2 & 3 Strand Chain Conveyor Modules

Chain Conveyor Modules
Chain center distance S 460 mm / 18.11 inches or 525 mm / 20.67 inches
Conveyor height TOC 350-600 mm /13.78 - 23.62
2 and 3 strand chain conveyors each have 13 length modules

<table>
<thead>
<tr>
<th>Maximum Pallet Loads</th>
<th>2 Strands</th>
<th>3 Strands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chains Kg.</td>
<td>1000</td>
<td>1500 kg</td>
</tr>
<tr>
<td>Lbs.</td>
<td>2200</td>
<td>3300 lb.</td>
</tr>
</tbody>
</table>

Length 1300 to 3600 mm / 51.18 to 141.73 inches

Fabricated & Welded Chain Conveyor Supports
Roller & Chain Conveyor Accessories

- Walkover Plates
- Fixed End Stop
- Pneumatic Gate Stop
- Pneumatic Pallet Indexer
- Forklift Pallet Loading Guides
- Photocell & Reflector Brackets
- Forklift Bumper
- Adjustable Side Guides
- Fixed End Stop
SLLT Single Level Load Transfer Modules

SLLT Transfer Specifications
Roller Ø 89 mm 3.50 inches, Roller pitch 180 mm / 7.09 inches.
Chains, 2 Strand, 10B / 5/8 x 3/8 in pitch, with straight side plates.
Two [2] Chain pitches 360 mm / 14.17 inches or 540 mm / 21.26 inches
Three [3] SEW Gearmotors 0.37 kW lifting, 0.37 kW rollers. 0.55 kW chains
Two [2] SICK IME12 inductive sensors, range 4 mm with M12 plug
Includes ILME metal socket connectors for motors, proximity sensors

“Single Level Load Transfer Technology”
Pallet height never lifts or lowers, maximum load transfer stability

Applications & Engineering Specifications Catalogue Version V3 R1
Turntable, Turntable & RGV Installed Modules

Turntable Conveyor Module 180° + 90° - 90°
Roller, Chain Conveyors and Pallet Transfer Modules install on turntable

Height TOR / TOC 500 mm to 600 mm 19.69 in to 23.62 inches

RGV Rail Guided Vehicle
Height TOR / TOC 550 mm to 600 mm 21.65 to 23.62 inches

SEW Gearmotor 1.1 kW / 2 Hp
IGUS Cable Tray Series 2700.07.150

Applications & Engineering Specifications Catalogue Version V3 R1
**Fixed Width Pneumatic Pallet Dispenser**
Specify 10 or 15 pallet capacity
Includes pneumatic cylinder, actuators, valves, sensor, pallet lifting
Roller conveyor is not included, specified with palletizing system

31.5 / 40.0 / 42.0 / 48.0 in
800 / 1016 / 1067 / 1219 mm

42.0 / 48.0 in
1067 / 1219 mm

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**Pallet Stack Guides**
Fixed Width and Adjustable Pallet Stack Guides

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**Fixed Width & Pneumatic Adjustable Stack Guides**
(On Specification)

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Applications & Engineering Specifications Catalogue Version V3 R1
Robotic Palletizing Conveyor System

<table>
<thead>
<tr>
<th>Item</th>
<th>Units</th>
<th>Conveyor Module Description</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Pneumatic Pallet Dispense</td>
</tr>
<tr>
<td>B</td>
<td>3</td>
<td>CDLR Infeed Conveyor Zones</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>SLLT 90° Pallet Transfers</td>
</tr>
<tr>
<td>D</td>
<td>2</td>
<td>2 Chain Strand Pallet Conveyors</td>
</tr>
<tr>
<td>E</td>
<td>2</td>
<td>3 Chain Strand Pallet Loading Conveyors, Gate Stops &amp; Indexers</td>
</tr>
<tr>
<td>F</td>
<td>2</td>
<td>3 Chain Strand Pallet Conveyor</td>
</tr>
<tr>
<td>G</td>
<td>1</td>
<td>Slip Sheet Loading Position</td>
</tr>
<tr>
<td>H</td>
<td>2</td>
<td>SLLT 90° Pallet Transfers</td>
</tr>
<tr>
<td>I</td>
<td>6</td>
<td>CDLR Roller Conveyors</td>
</tr>
<tr>
<td>J</td>
<td>1</td>
<td>Orbital Stretch Wrapping Conveyor</td>
</tr>
<tr>
<td>K</td>
<td>1</td>
<td>Bypass Pallet Loading Conveyor</td>
</tr>
</tbody>
</table>

Electrical, Drives & Sensors

- 24 SEW Gearmotor Drives [included]
- 18 SICK Sensors & Brackets [by integrator]
- 8 SLLT 90° Transfer Modules
  - 4 Photoelectric 4 Inductive Sensors [included]
Conveyor Systems  Our Core Values

Innovation

Engineering

Experience

Accreditation
Established 2002
The material handling division of Antipoda design and manufacture custom and specialty stainless steel conveyors for direct food contact, we manufacture and distribute package and product handling conveyor systems, 24V DC shipping case and tote handling conveyor systems and modular CDLR palettizing conveyor systems.

www.antipoda.eu  email geral@antipoda.eu

Conveyor Systems Manufactured & Distributed by Antipoda
Robotic Palletizing Conveyor Systems
Trough, Spiral, Vertical & Bucket Conveyors
Custom & Specialty Stainless Steel Conveyors
Modular Belt, Mat & Table-top Conveyor Systems
Modular CDLR Roller Conveyor Systems
Modular 24V Smart Roller Conveyor Systems
Cleated & Inclined Product Handling Conveyors
Package, Case & Tote Handling Conveyor Systems