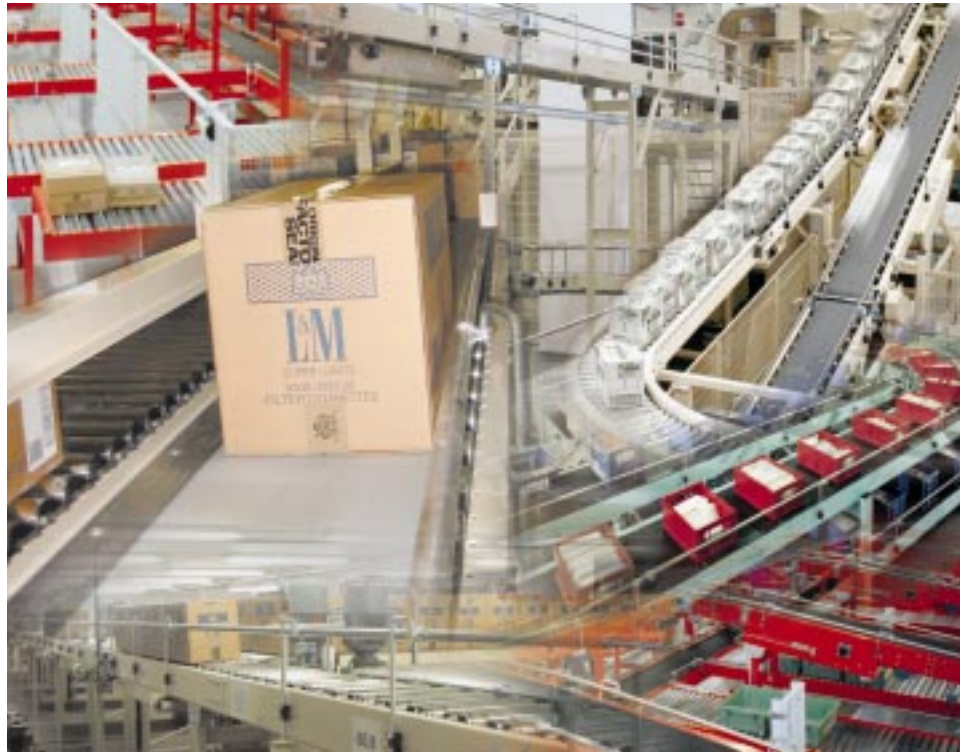


Package transport — Technical specifications



The modern, internal logistics of transport packagings require rapid, flexible conveying of products. Rapid, because "Just In Time" and "First In First Out" are universal requirements. Flexible, because in our marketing-driven society, more and more new products are being produced and consumed in an increasingly wide variety of packaging. CSi's conveying systems offer the optimum solution. They can transport, buffer and sort large varieties of products, both in terms of dimensions and packaging type. And, of course, without damage to the product itself. Furthermore, the noise level generated by the pack conveyors is minimal.



IMPROVING PERFORMANCE

Conveyors

Belt conveyors

Drums	: Ø 90, 160 (drive)
Conveyor width	: 250 - 650 mm.
Conveyor speed	: up to 80 m/min.
Frame height	: 162 - 380 mm.
Belt support	: - steel slider deck - roller deck (Ø 50 mm.)
Versions with	: - power feeders - knick sections

Accumulation, zero pressure conveyor

Conveyor	: belt-driven roller
Conveyor width	: 250 - 650 mm.
Drive belt	: b= 50 mm. with V-belt and excitors
Pulleys	: Ø 105, 220 mm. (drive).
Transport rollers	: Ø 50 mm., eccentric.
Roller pitch	: 55.5 - 71.4 - 83.3 mm.
Conveyor speed	: up to 72 m/min.
Frame height	: 173 - 383 mm.
Belt support	: adjustable plastic wheels Ø 50 mm.
Versions	: 1) minimum accumulation pressure 2) zone accumulation without any pressure

Roller bends

Conveyor	: V-belt driven roller
Rollers straight sections:	galvanised Ø 41 mm.
curved sections:	galvanised Ø 41 mm. with conical plastic segments 45 - 110 mm.
Pulleys	: Ø 110 mm.
Roller pitch	: straight 54 mm.; inner radius bends 54 mm.
Conveyor speed	: up to 80 m/min.
Frame height	: 218 mm.
V-belt support	: plastic wheels Ø 50 mm.
Versions	: - bends inner radius 640mm. - merging sections 30-45°.

Sorting

Type	Capacities	Orientation
Pushers	up to 25 packs/min.	lengthways --> crossways
Pop-up belt	20-40 packs/min.	lengthways --> lengthways
Rota sorters	40-80 packs/min.	lengthways --> crossways

Vertical transport

Type	Capacities	Version
Lifting platform	up to 20 packs/min.	up/down intermittent
O-lift	up to 30 packs/min.	circular intermittent
S-lift	up to 30 packs/min.	circular intermittent
Spiral	up to 60 packs/min.	circular continuous

General

Drives	: SEW geared motors
Cylinders/valves	: Festo
Bearings	: Nachi
Preservation	: Epoxy powder coating
Color	: RAL 1015 (ivory white)
Belts	: Ammeraal
Product guide	: tube Ø 28 mm., stainless steel
Supports	: vertically adjustable supports
Hangers	: vertically adjustable supports (excl. steel support structure)



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IMPROVING PERFORMANCE

Conveyors for all transport requirements



Belt conveyors

Belt conveyors can be equipped with a variety of belt types, from grip face to a very smooth surface, depending on the desired functions, such as inclining, accumulating, pushing or dosing. Due to the drive and tension unit mounted under the conveyor the conveyor end pulleys are relatively small with smooth conveyor transfers as a result.

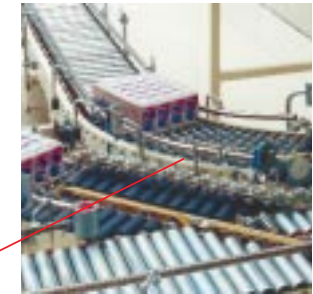


V-belt-driven roller conveyors

Unlike chain or round belt roller drives, v-belt roller conveyor drives are clean and silent and allow higher conveyor speeds. The v-belt drive is very strong. These roller conveyors need absolutely minimal maintenance.



V-belt-driven roller conveyor

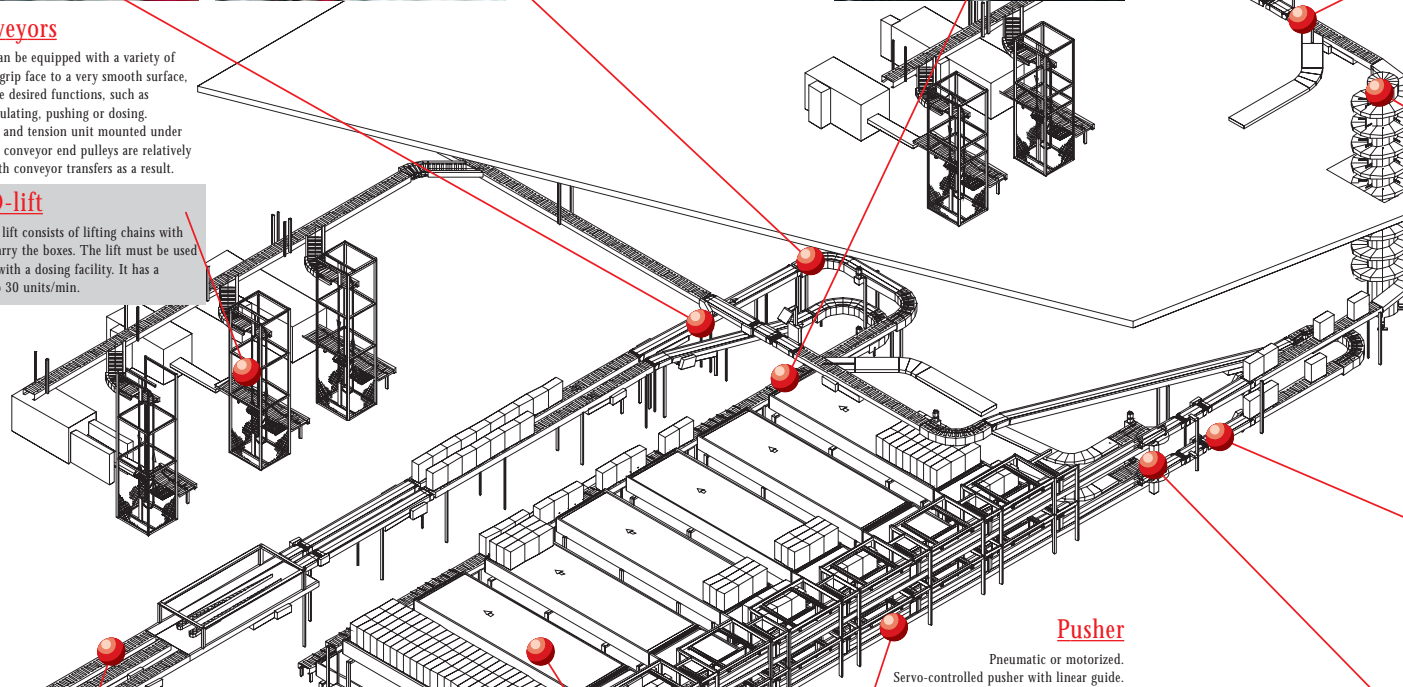


Pop-up belt sorter

This sorter is suitable for sorting packs lengthways. This is done by means of a short stroke cylinder which lifts the belt above the transport level diverting the product into the appropriate lane.

S-lift / O-lift

This continuous lift consists of lifting chains with platforms that carry the boxes. The lift must be used in combination with a dosing facility. It has a capacity of up to 30 units/min.



Spiral conveyor

The spiral conveyor offers high capacity for the transportation of packs as an elevator or lowerator. The system provides the same functions as a belt conveyor but requires less floor space. A single heavy chain mounted with plastic slats to carry the product is used as a continuous circular chain system.



Barcode reading station

Pusher

Pneumatic or motorized. Servo-controlled pusher with linear guide.



Zero pressure accumulation conveyor

This conveyor is simplicity itself, with very few moving parts. The rollers can be adjusted individually and/or set at an angle, making product alignment possible. This accumulation conveyor is perfectly suited to the simultaneous accumulation of various products with a wide range of product weights and widths.



Buffer tables



Rota sorter

This flexible, high-capacity sorter is used in line to sort products at right angles into lanes. The sorter, which is fitted with a swiveling arm, does not have a return position as the operation is of a continuous motion design. By using servo or frequency control a wide spectrum of products can be sorted at high speed without product damage.

