Conveyor Systems
Polycord - Conveyor

- Design Variations
- Corner Segments
- Mounting of Wall Brackets
- Merging Units
- . . .

- Lift - Conveyor as S-Conveyor
- Single Chain Conveyor as S-, C- or L-Conveyor
- Minimal Electrical Control Requirement
- Easy to Maintain and Service
- In Co-operation with the TRAPO AG
Things Worth Knowing:

- Produced Completely From Stainless Steel
- Customised Conveyor Layout Possible
Horizontal Conveyor Systems:

Conveyor Belt Layout with 2 x 90° Curve Segments
Polycord - Conveyor Systems:

- Maximum Functional Safety With Non Warping Core
- Guided by Plastic Mouldings
- High Flexibility
- Simple Assembly
Conveyor System - Design:

- Tray Return Sections
- Jamming Control
- Light Barriers
- Noise Insulated Tunnel
- Mechanical Height Control
- Folding Conveyor Belt Segment
Horizontal Conveyor Systems

**Accessories:**
- Stacker
- Waste Chute
- Silverware Magnet
- Emergency Fire Shutter
- Customised Conveyor Segments
Variety of Conveyor Belts:

- In the Form of a Table
- With Angled Borders
- With Angled Borders and Gutter
- With Disposal Chute for Napkins
Wall Mountings:

- Installation on Solid Wall Mountings
- Generally Used in the Area of the Tray Return
- Simple Floor Cleaning
- Possible for All Conveyor Belts

Standard (Under Conveyor)

Integrated With Conveyor
Tray Return with Slots for Napkins, Underneath Fitting, and Hinged Doors
Horizontal Conveyor Systems

Tray Drop-Off:
Conveyor with Side Protection

Input Supporter for Your Safety
Horizontal Conveyor Systems

- Garbage Chute Underneath with Hinged Doors
- Accommodates Waste Containers
- Separate Chute for Napkins
- Completely in Stainless Steel

Front View

Top View

Side View
Horizontal Conveyor Systems

Tray Return at Siemens, Karlsruhe

Fixture Through a Wall with Noise Insulated Tunnel
Horizontal Conveyor Systems

Curve Segments:

- Curve Segment 45°
- Curve Segment 90°
- Curve Segment 180°
- S - Curves 30° / 60°

Curve Roller with Finger Protector
90° Curve

180° Curve
Horizontal Conveyor Systems

Motor:

- Geared Motor
  - Mounted Under Conveyor
- Axial Motor
  - Installed Within the Framework
Noise Insulated Tunnel

- Completely Made of Stainless Steel
- Three-Layered Noise Insulated Matting
- Simple Cleaning With Upward Folding Front Door
Horizontal Conveyor Systems

Height Control With Mechanical Switch

Optimal Hygienic Low Cap Nuts
Glass Removal Station Followed By Height Control

Cut-out Section for Lowered FTN-Inlet (Automatic) for Extra Clearance

Above mech. Control for Utensils
Merging Units:

- Required to Merge Two Conveyor Belts
- Respectively Asymmetrical Version to Adapt to Building Limitations
- Cycle Speed: max. 30 Trays/Min

Asymmetrical Tray Switches
Horizontal Conveyor Systems

Wall Opening With Attached Curve

Merging of Conveyors From Left and Right
Folding Conveyor Belt
Vertical Materials Handling Technology

In Co-Operation With
Vertical Conveyor Systems

The Alternatives:

Lift Conveyor:

Single-Chain Conveyor:
Vertical Conveyor Systems

Introduction

Lift Conveyor
Vertical Conveyor Systems

Characteristics:

- Made With Stainless Steel or Varnished Steel
- Low Maintenance and Quiet Chain Guide
- Stable and Quiet Vertical Support
- Automatic Take Up & Chain Adjuster
- Only Suited for the Conveyor in S-Form
Vertical Conveyor Systems

Chain Guides Over Plastic Plates
Low Maintenance and Quiet Chain Guide
Vertical Conveyor Systems

Automatic Chain Adjuster
Vertical Conveyor Systems

Top

Elements (Variable)

Bottom Designed as Pedestal
Vertical Conveyor Systems

Stable Tray Support

- Strong, Long-lasting Strap Support
- Stabilised Elements
- Belt Guide
Introduction

Single Chain Conveyor EKF
Vertical Conveyor Systems

Characteristics:

- Simple Modular Design
- Sheet Metal Made of Stainless Steel
- Only 1 Conveyor Belt
- Equipped With C-, L- and S-Conveyors
- Custom Designed Path of Flow
- Lower Energy Consumption
- Easy to Maintain and Service
C - Conveyor:

Vertical Conveyor Systems

C - Conveyor:
Vertical Conveyor Systems

L - Conveyor:
Vertical Conveyor Systems

S - Conveyor:

- Conveyor:
  - GL (950)
  - H1
  - H2
  - FH (H2 - H1) = 350
  - GH (H2 + 350)
  - H1 (1350)
  - GL (950)
  - DG (GB + 100)
  - GB (1350)

- DL (GL + 100)
Drive:
Transmission Braking Motor
Frequency Regulated for 400V/50Hz with Sliding Adjustments

Guided Frame Work:
(Rectangular Tube)
with Sheet Metal Made of CrNi-Steel
**Vertical Conveyor Systems**

**Chain System:** Galvanised Steel Chain With Suitable for High Temperatures

**Tray Carrier:**
- Base Plates Made of Aluminium
- Pulleys Made of Plastic
- Stainless Steel Forks with Non-Slipping Coating
Vertical Conveyor Systems

Siemens, Karlsruhe
Single Phase/Tray Delivery
Siemens, Karlsruhe

Cycle in the Lower Level

Pedestal

Transportation of the Trays From Underneath
Thank You Very Much for Your Attention

Any Questions...
Going into the Future
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