Slip-Trak® is a safe and quiet ultra clean conveyor system, independently certified and designed to be compatible with Federal Standard 209E Class 10 and Class 1 (ISO Class 4 and ISO Class 3) clean rooms. Using patented Slip-Torque® technology, Slip-Trak® allows for multi-lane, simultaneous bi-directional or reversing product flow. The through shaft or open center construction maximizes process adaptability with low line pressure accumulation/stocking and process buffering. Slip-Trak® can be designed to reduce surface ESD to less than 5 volts.

Examples of Slip-Trak® Applications
- Disk Media
- Disk Drives
- Wafer Transport
- Flat Panel Glass Substrates
- Flat Panel Cassette
- Healthcare Products
- Medical Supplies and Devices
- Ultra Low ESD Applications
- Harsh Environment Areas

1Slip-Torque® technology utilizes the coefficient of friction between the rotating roller shaft and the loose fit rollers to control the driving force on the product. The size and weight of the product determine the driving force and the roller selection. When products accumulate, the rollers beneath the accumulated product slip to avoid jamming, scuffing and shingling. Standard Slip-Torque® meets Federal Standard 209E Class 100 (ISO Class 5) clean room requirements.
Construction
Extruded aluminum
Enclosed drive system
Stainless steel and/or clean room compatible surfaces
Open or through shaft roller surface

Drive System
- Flexible belt
  Maximum Load per shaft - Standard: 2 kg (4.4 lbs)
  Maximum surface speed: 30 m/min (98.4 f/min)

- Continuous roller chain (for applications where loads or environments are extreme)
  Maximum load per shaft: 3 kg (6.6 lbs)
  Maximum surface speed: 50m/min (164 f/min)

Dimensions
Standard lengths: 500, 1000, 1500, 2000, 2500, 3000 m
  (19.7, 39.4, 59.1, 78.7, 98.4, 118.1 in)
Standard widths, open center: based on product weight
Standard widths, through shaft: up to 1500 mm (59.1 in)

Mounting
Floor or sub-floor mountable
Ceiling or wall mountable (on brackets fixed to sidewalls)

Roller Surface
- Application specific thermoplastic or stainless steel rollers
- Custom engineered rollers are selected to meet requirements for:
  Class 10 or Class 1 (ISO Class 4 or ISO Class 3) cleanliness
  Non-out gassing properties
  Thermal and chemical resistant

- ESD safe (Selectable from a 50 volts to less than 5 volts)
- User Friendly

Options
Variable or fixed speed drives
Multi-lane and/or bi-directional
Open surface or through shaft
Full surface to floor skirting
CE marking
Devices-
Product Pushers: Lift and Transfer
Lift and Rotate Units: 90° and 45° Corners
Positioning Devices: Sensors
Bar Code Readers: Stops

Slip-Trak® Conveyor Styles
Slip-Trak® - meets Fed-Std 209E Class 10 (ISO Class 4) cleanliness
Slip-Trak® Industrial version - protects the drive train from extreme airborne dirt, grit or chemicals
CleanGlide™ - meets Fed-Std 209E Class 1 (ISO Class 3) requirements (Patents Pending)