

ATS automation has provided thousands of automated manufacturing solutions to some of the world's largest companies. As a result, we have a wide variety of automation platforms to select from, depending on your unique product, process and production needs. Here are a few of our most widely adopted solutions.

Cam-Based System like Jetwing

Technology Type

Synchronous Cam Drive Linear Assembly



Ideal Application

High speed, modular system for semi- and fully-automated assembly for product development, pilot, and production purposes

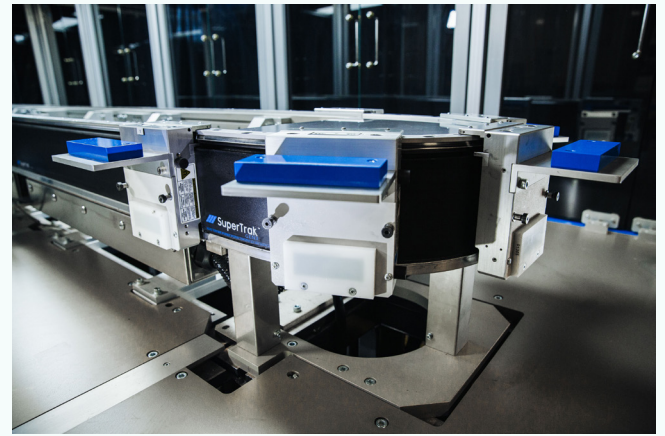
Specifications

- Base system 1,120 x 1,540 x 2,300mm
- Up to 12 stations
- Multiple tracks possible
- Up to 60 cycles per minute
- Pallet sizing 100 x 100 and 200 x 100mm
- Positional accuracy $\pm 0.02\text{mm}$
- Quick retooling of stations to accommodate new products or variants

SuperTrak GEN3™

Technology Type

Asynchronous Magnetic Linear Mover



Ideal Application

High speed with a required high degree of accuracy in placement and processing

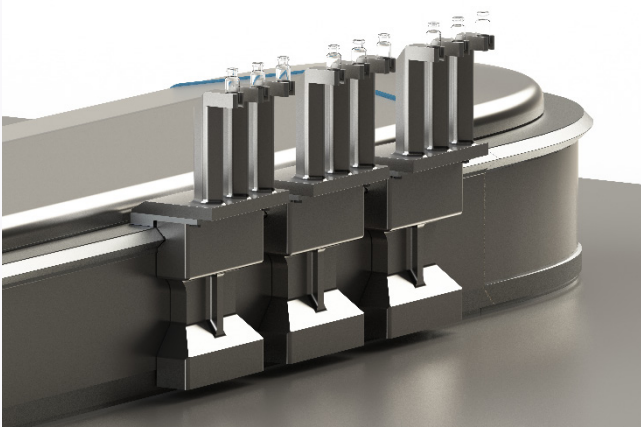
Specifications

- Up to 4g acceleration
- Maximum speed of 4m/s
- Adjustable shuttle and nest sizes
- Individual shuttle control
- Move in sync and asynchronously
- Servo or pneumatic process tooling
- Tooling mounts on the interior and exterior of the track
- 1-meter motor length
- 500mm to 1200mm track width
- Pallet payload: 10KG+
- Adjustable acceleration and deceleration for gentle handling
- Shuttle spacing as low as 155mm

SuperTrak PHARMA™

Technology Type

Asynchronous Magnetic Linear Mover for aseptic and clean environments



Ideal Application

High speed applications with a required high degree of accuracy in placement, and aseptic and Pharma processing

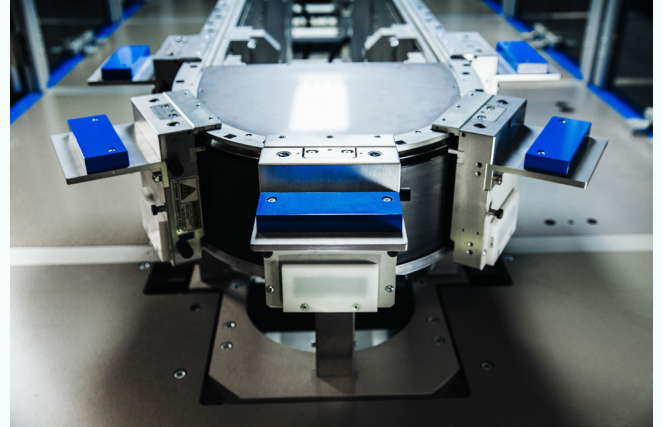
Specifications

- Adjustable acceleration and deceleration for gentle handling
- Full washdown in aseptic environment
- VHP resistant stainless-steel design
- 1-meter sections
- Pallet payload: 10KG+

SuperTrak MICRO™

Technology Type

Small Asynchronous Magnetic Linear Mover with Track to Track switching



Ideal Application

High speed, low weight applications where rework may be required and multiple tracks for decision based processing is needed

Specifications

- 1.5G -5G acceleration
- Maximum speed of 3m/s
- Modular track with dual sided shuttle systems
- Sort and divert shuttles at full speed
- 660mm motor length
- Shuttle payload 1.5kg – 3kg
- Shuttle spacing as low as 50mm
- Fits into existing PLC and controls systems

Symphoni™ Technology

Technology Type

Cammed Pick and Place System



Ideal Application

Extreme high speed pick and place modules for simple assembly, and adjustable tooling for different product types

Specifications

- High speed modular assembly system built on SuperTrak GEN3™
- Variable speed capable
- Up to 800 parts per minute
- Cam pick and place motion with rapid speed matching disks for fast part feeding
- Easily scaled from pilot to full production
- Retooling to change assembly process and product types
- Robotic stroke rate of up to 200 per minute
- Modular standard designs for motion profiles, end-of-arm tooling, etc.

OmniTrak™

Technology Type

Synchronous Cam Drive Magnetic Linear Mover



Ideal Application

High speed with a cam driven accentuation for faster processing than standard servo and pneumatic systems

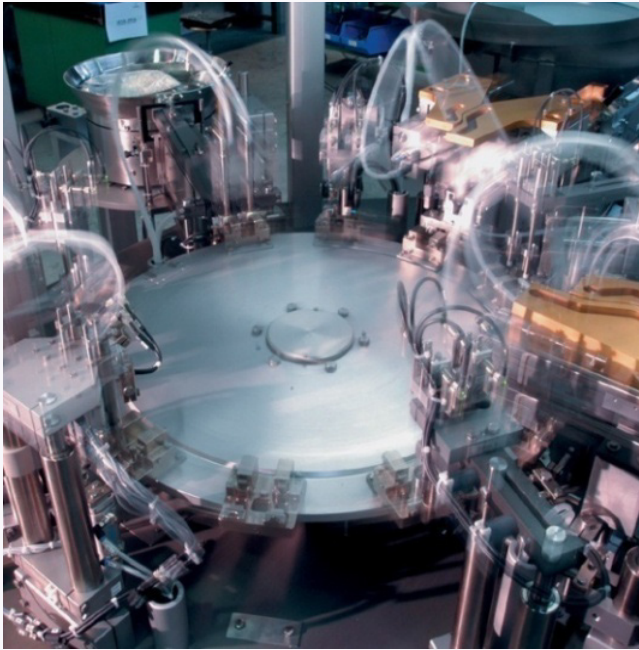
Specifications

- A combination of cam and SuperTrak technology
- Cam driven processes
- Up to 200 cycles per minute
- Positional accuracy of ± 0.01 mm
- Highly scalable

Delivery Dial

Technology Type

Rotary Indexing Cam-based System



Ideal Application

High speed, high precision technology for harsh production environments where performance and reliability are key

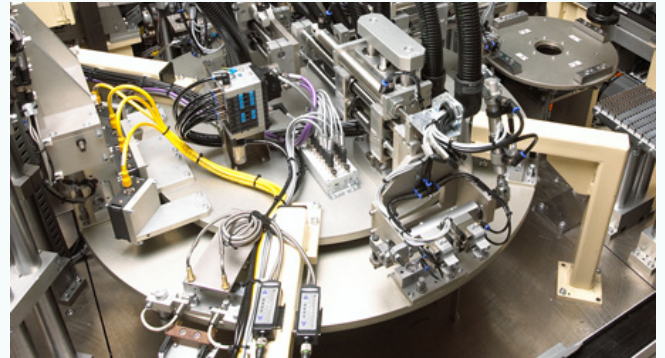
Specifications

- Central cam drive
- Up to 150 cycles per minute and 12 tracks
- 12, 16, and 20 station capacity standard
- Highly scalable at a station and module level
- Low maintenance

Standard Dial

Technology Type

Rotary Indexing Servo-based System



Ideal Application

Low speed dial index with servo motion for average accuracy and adjustability

Specifications

- Industry Standard automation platform
- Servo driven with adjustable pitch
- Various nest positions scaled with dial size

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