

OmniTrak™ Platform

AUTOMATED MANUFACTURING EQUIPMENT



ATSTM Worldwide

ATS has mastered automation across diverse industries and processes. The vast experience and resources gained from being a world leader in automation has allowed us to develop world leading products.

STRENGTH IN NUMBERS

Delivering the combined expertise of sortimat and ATS

GLOBAL FOOTPRINT

23 facilities and over 50 offices and support locations around the globe

EXPERIENCE

Successful completion of over 23,000 projects worldwide

INNOVATION

A world leader in creating benchmark automation solutions across diverse sectors

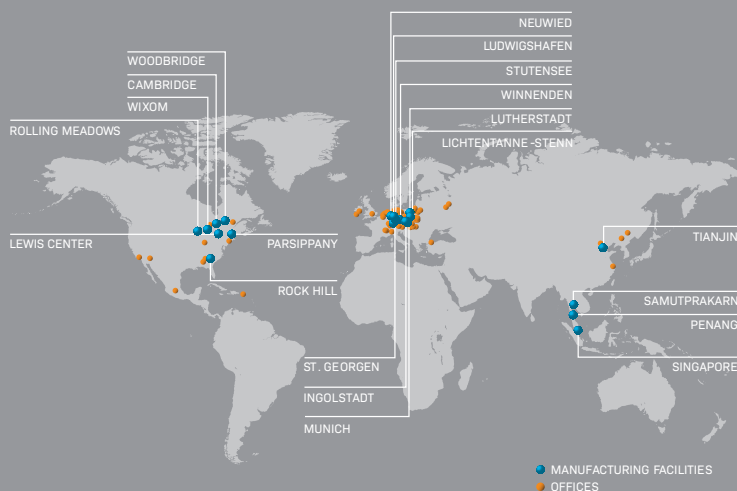
SCALE OF RESOURCES

A knowledge base that includes 3,500 employees and a vast network of highly skilled partners and suppliers

FINANCIAL STRENGTH

Positive financial results and a healthy balance sheet solidifies ATS as a strong partner with a clear intention for long term relationships

Global presence



Best in class technology



Knowledge to go the distance

At ATS, we believe that leveraging insights and best practices between all the markets we serve creates a unique multi-industry synergy. Through this synergy, sortimat has developed a new best in class optimized platform offering a unique and powerful improvement in the long run history of cam-driven solutions.

Helping advance the future

Conceived as a natural evolution of ATS sortimat technology, the OMNITRAK™ platform combines the synchronous drive of the SPACELINE™ chassis with asynchronous pallet movement provided by the programmable SUPERTRAK™ pallet transfer system. The result, an optimized solution that is robust, reliable, quiet, cost efficient and easier to maintain.



SuperTrak™

The SUPERTRAK conveyor enables new manufacturing opportunities with synchronous movement, flexible pitching, stop anywhere, move backwards, gentle motion, and integrated vision.

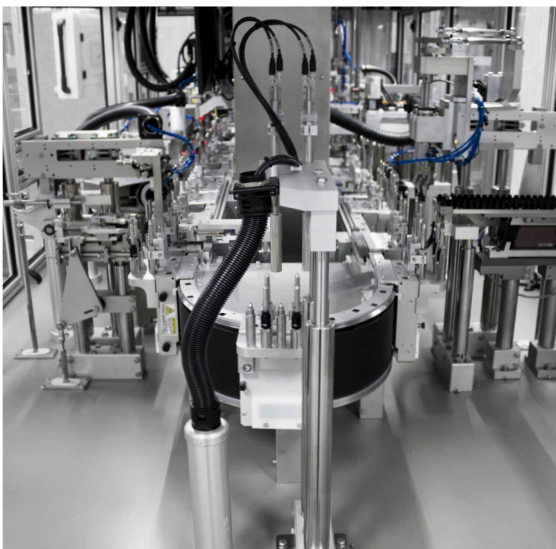
- / Asynchronous
- / Ultimate flexibility
- / Motion parameters programmable for each individual pallet
- / Mechanical stops, lifts & locates eliminated
- / Belt wear and pallet-to-pallet contact eliminated
- / Integrated Pallet ID and part data tracking
- / Pallets may bypass stations at full speed



Spaceline™

The SPACELINE chassis provides shorter cycle times through the use of a highly reliable and robust cam drive.

- / Synchronous
- / Reusable
- / Twin Drive
- / Modular Design
- / Can accommodate a wide range of machine and pallet sizes
- / Cam driven reliability



OmniTrak™

Together, these two systems create the OMNITRAK platform, which has proven industry leading flexibility, modularity, and performance.

- / Combination: cam driven reliability with asynchronous programmability and flexibility
- / A process tailored machine concept with optimized cost, footprint and performance
- / Ability to mix one part at a time (one up) stations with multi-up (2, 3, 4 up) stations seamlessly on the pallet loop
- / Low floor space requirement
- / Low noise level down to 70dBa (process dependant)
- / Upgradeability on station and module level
- / Low maintenance cost and duration
- / Clearly structured material flow
- / Service and maintenance packages available

The OMNITRAK platform has the ability to run synchronous, asynchronous and continuous motion processes on the same platform. Before OMNITRAK, synchronous platforms required transfers into an additional cell to run asynchronous (or time-variable) processes such as welding or leak testing. With OMNITRAK, customizable software allows you to decouple synchronous operation for these processes and then resynchronize them to the cam chassis after the variable process is complete.

You no longer have to decide if your platform is synchronous, asynchronous or continuous, you can decide at the individual station level.

SPECIFICATIONS:

Cycle Rate	Up to 200 cycles per minute (CPM)
Number of Pallets	Fully Configurable
Pallets Size	Fully Customizable
Options	Synchronous Asynchronous Continuous motion platform options
Platform Configurations	Fully assembled, integrated and tested platform, ready for plug and play operation
Size	Track configurable in 1m segments
Interfaces	Ethernet IP, Powerlink, Profinet, EtherCAT

FEATURES:

- / High precision and repeatability
- / Gentle product handling
- / Superior throughput as the result of faster transfer times
- / Station cam tooling can be slaved to/from pallet motion
- / Expandable at the station and module level
- / Lower maintenance costs due to the high life of the system
- / Customizable pallet design allows pallets to carry a number of different components
- / Embedded control of servo motors with support for electronic camming
- / Expandable I/O



The use of SUPERTRAK modules within OMNITRAK platform also allows for the creation of exclusive machine layouts that can be tailored to meet your individual needs. With fewer moving parts on the OMNITRAK platform, less maintenance is required, resulting in reduced wear on the machine and increased cost savings for your company. Where pure cam or linear servo is not enough, the OMNITRAK platform is a desirable solution.

	TRADITIONAL SYSTEM	OMNITRAK™ PLATFORM
# of UP / Tracks (at all stations)	Fixed	Configurable (Optimized by station)
# of Pallets	Fixed	Configurable (Optimized)
Mode of Operation	Synchronous	Configurable (Synchronous, Asynchronous, Continuous)
Station Index Time	Fixed	Configurable