



Sonata™ Development Cell



A scalable platform for process development, validation, and low-volume production.

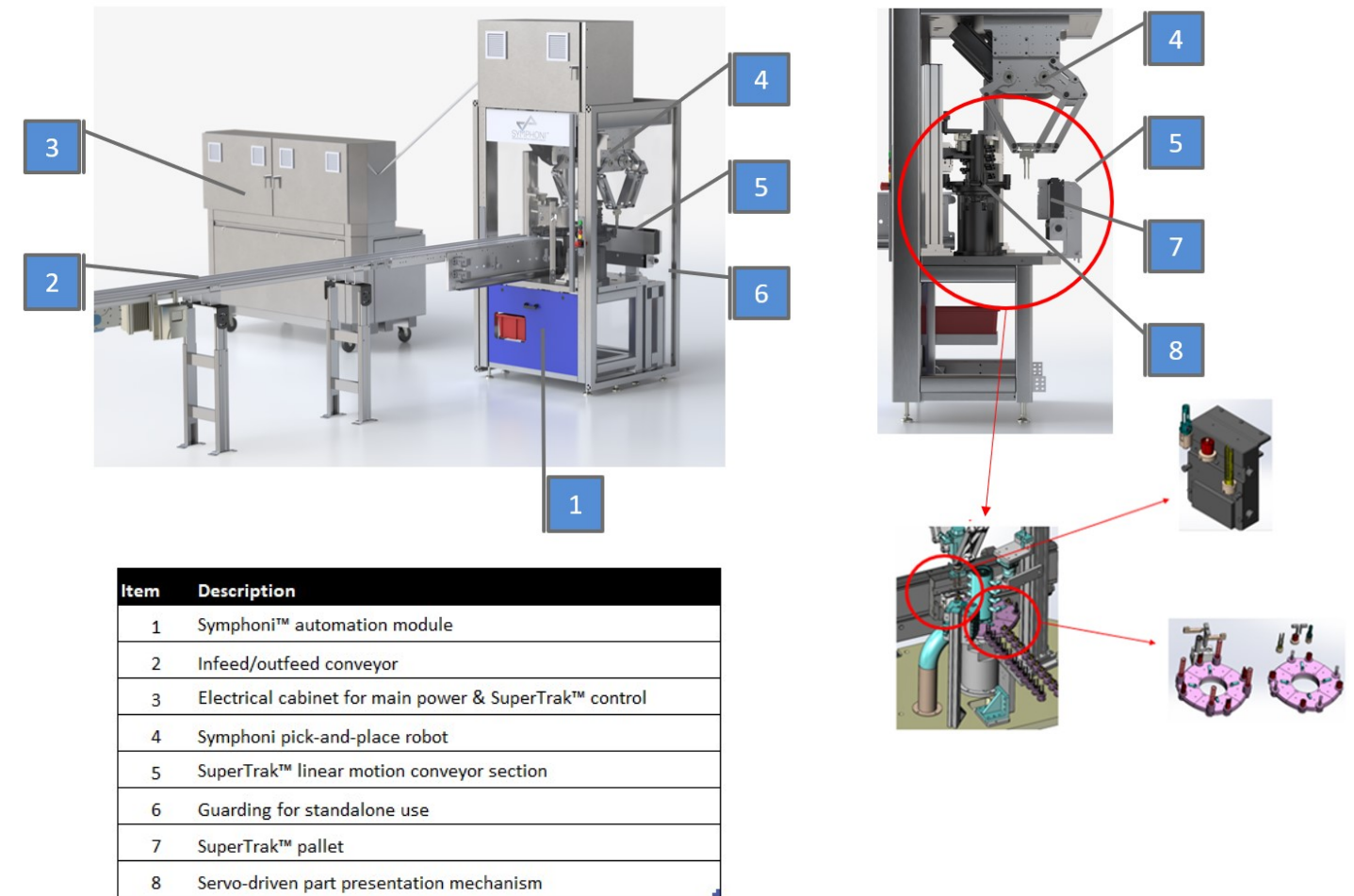
- ◆ Reduce Time to Market
- ◆ Simplify Validation
- ◆ Mitigate Risk



Sonata™ Development Cell

The ideal platform for:

- ◆ Process development for new products
- ◆ Clinical trials and low-volume production
- ◆ Compressing validation schedules
- ◆ Progressively scaling to high-volume production



The pandemic has highlighted the need to bring new products to market under dramatically compressed timelines. But how can quick time-to-market be reconciled with the lengthy process of developing and deploying automated production systems?

Introducing the Sonata™ Digital Process Development Cell from ATS. Sonata™ is a “starter kit” for ATS’s patented Symphoni™ Assembly System, a scalable, high-performance, pre-engineered platform that brings an unprecedented combination of speed and versatility to automated assembly.

With a Sonata™ Cell, production-representative assembly operations are developed, tested, and validated as the product is being designed and prototyped. The Cell’s pre-packaged robotics and linear motion conveyance permit multi-axis configurability, providing the perfect develop-

ment environment. It can be iteratively retooled for various assembly operations, whether for one or multiple products.

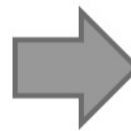
Parts are manually introduced into the Sonata™ Cell to meet low-volume needs, while still being automatically

assembled with the same tooling and software that will serve high-volume production. As demand grows, more Cells can be added, linked by the SuperTrak™ conveyor. In such fashion, the full-scale Symphoni™ production system can be progressively realized.

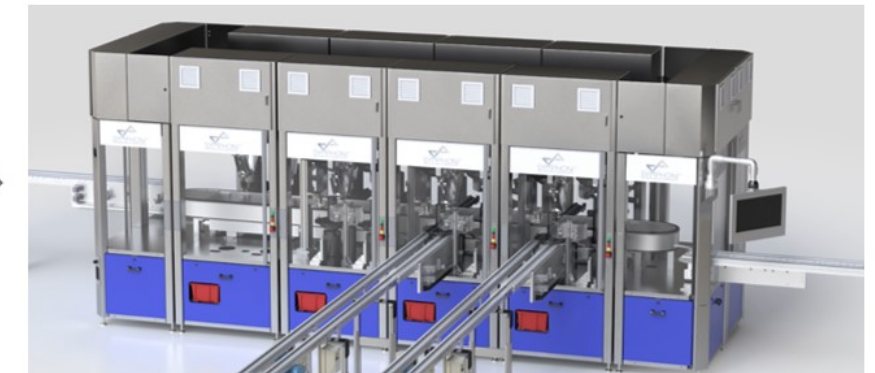
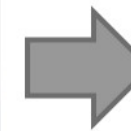
Sonata™ from ATS. Ideal for production-representative process development. Ideal for risk-free ramp-up to full-scale production. Ideal for getting your product to market ahead of your competitors.



Sonata™ Development Cell



Clinical Builds/Low-Volume Production



Symphoni™ Production System

Sonata™ Cell Contents

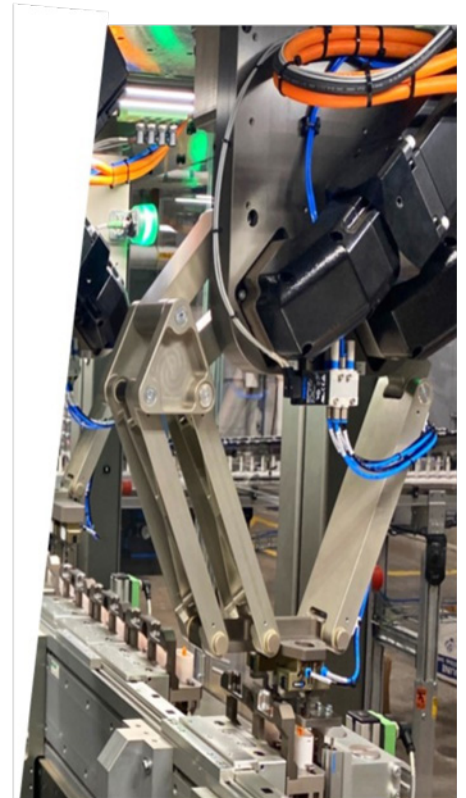
Symphoni™ Automation Module equipped with:

- Pick-and-Place station
 - Multi-axis delta robot
 - Servo-driven part presentation mechanism.
 - Vision camera
- 1 m section of SuperTrak™ linear motion conveyance
- (1) SuperTrak™ pallet
- Symphoni™ OS with configurable motion control software
- Overhead electrical cabinet with controls and servo drives

Infeed/outfeed conveyor equipped with pucks for carrying components to be assembled.

Tethered electrical cabinet equipped with power distribution hardware and SuperTrak PLC.

Safety guarding and interlocks.



Optional Accessories

- Robot end effectors and grippers.
- Puck tooling.
- Orientation servos.
- Tilt-axis deck.
- Part-presentation discs for part capture and escapement.
- Pallet fixturing.
- Part feeding systems.
- Collaborative Manual Assembly Module with Low-Power SuperTrak™



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