



## MDAutoinjectorF2 / MDAutoinjectorF20

**FINAL ASSEMBLY OF COMMON 3-PIECE AUTOINJECTORS FOR ULTRA-LOW OR LOW VOLUME OUTPUT.**

The right automation solution for your YpsoMate®-style autoinjector assembly. Our final assembly solutions are pre-engineered and tested for shorter delivery times, optimized footprint, and lowered power/air usage.

# Proven ATS Technologies - Ultra-low (up to 2 PPM) to Low Volume (2 to 20 PPM)

Advanced capabilities in convenient formats. These compact systems are ideal for small batch quantities without sacrificing floor space. Flexibility has been designed into the systems to allow for future scalability; base models can be configured to assemble common injectors. Cost effective and fast to quote with shorter delivery times due to standardization.

## SwiftCell™

- Low volume output: Up to 20 ppm
- Flexible low volume manufacturing allows for future expansion with new processes or repurposing for a completely new product
- Standardized assembly modules are designed to meet the highest regulatory standards
- Customized processes possible according to customers' needs
- Pick and choose modules for transport, infeed/outfeed, and process stations
- Several vision options possible
- Highly standardized modules for picking and choosing
- Fixed process grid dimension for easy adaption

## Illuminate™

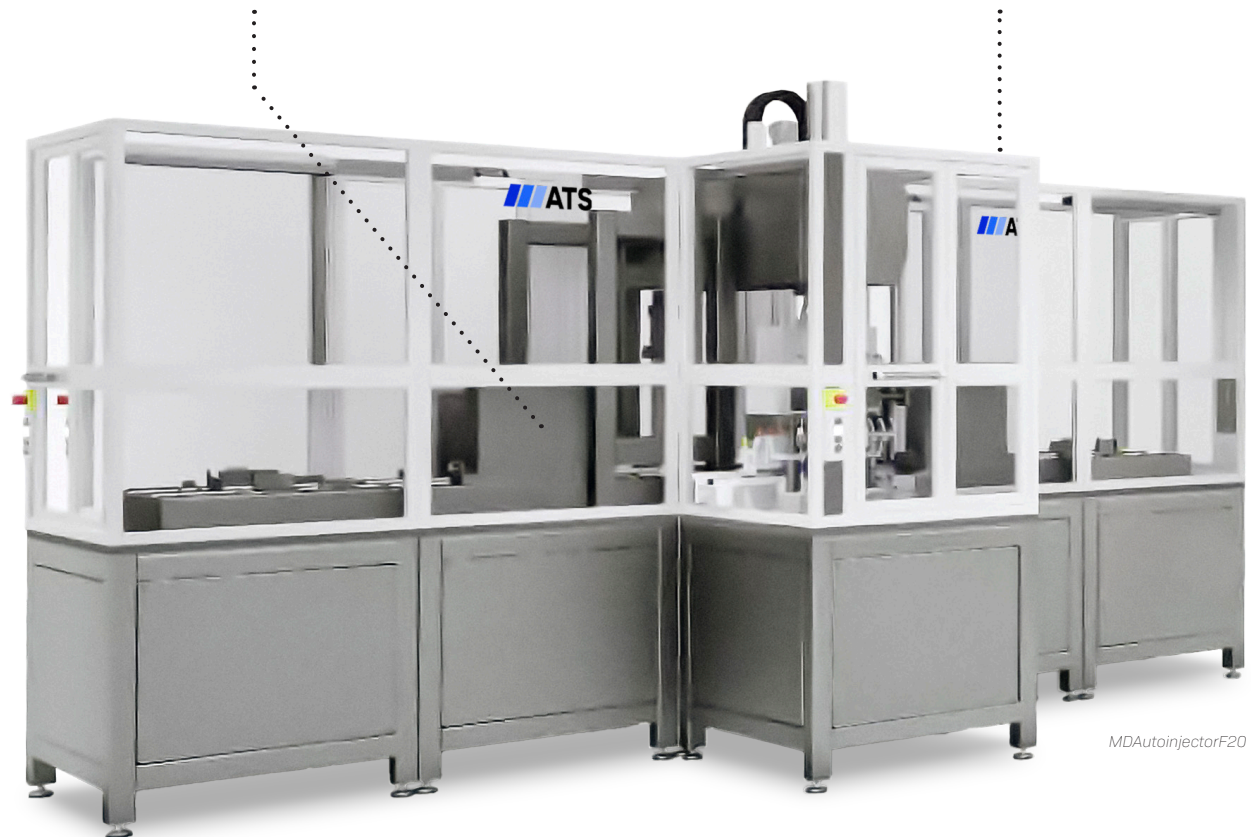
- Capture real-time OEE intelligence across lines, machines and locations
- Data-to-decision in minutes
- Identify production trends
- Facilitate visual machine learning on parts and product quality control inspection



MDAutoinjectorF2

## Benchtop

- Ultra-low output rate: Up to 2 ppm
- Ideal for clinical trials, orphan drugs, and personalized medicine
- Suitable for the product development phase and assembling large quantities of products with short lifecycles
- Semi-automated, servo-driven cell for pre-testing, verifying and validating
- Ensures proper device assembly with force-displacement feedback
- Data management for auditing and traceability
- Small footprint for manufacturing flexibility
- Reusable: Individual functions can be replaced



MDAutoinjectorF2

# Configurable solutions for low volume output

As the demand for tools for the self-administration of drugs increases, so does the need for manufacturing systems that are safe, reliable, compliant, time-efficient and customizable. Our final assembly solutions are suitable for the assembly of any common three-piece autoinjector, including YpsoMate® and Molly®; pre-engineered and tested for shorter delivery times, optimized footprint, and lowered power/air usage.

## /// Features





- Perfect for manufacturing and for both semi- and fully-automated assembly
- Configured for lower design costs and faster delivery
- Accommodates both round and cut flange syringes
- Quick retooling of stations to accommodate new products or variants, and introduction of new stations/modules
- Various component loading options available from manual to fully automated

## /// What we can deliver

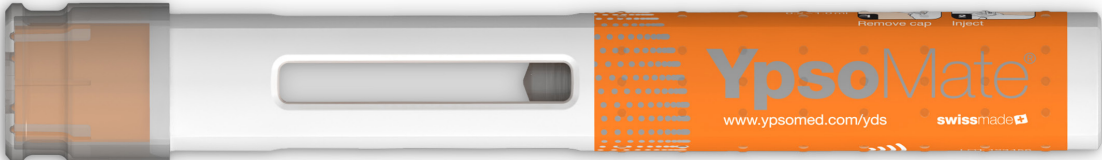
- Rapid time to market
- A wide variety of customization options such as manual workstations, feeder units or tray handling can be added. Process technologies and testing systems can be integrated, such as vision systems
- Drug delivery device assembly systems delivered worldwide



MDAutoinjectorF20

Solution Type	Output	Platform
MDAutoinjectorF2	Ultra low-volume 0 - 2 PPM	Benchtop
MDAutoinjectorF20	Low volume 2 - 20 PPM	SwiftCell™
Standard Inspections Offered		
	Tray full/empty (FSA/LSA) 3D tray scan - robot EOAT positioning (FSA/LSA)	
	SKU identification (FSA/LSA)	
	Measure force vs Displacement PFS --> FSA & RSA --> FSA	
	Other position & orientation checks as needed	

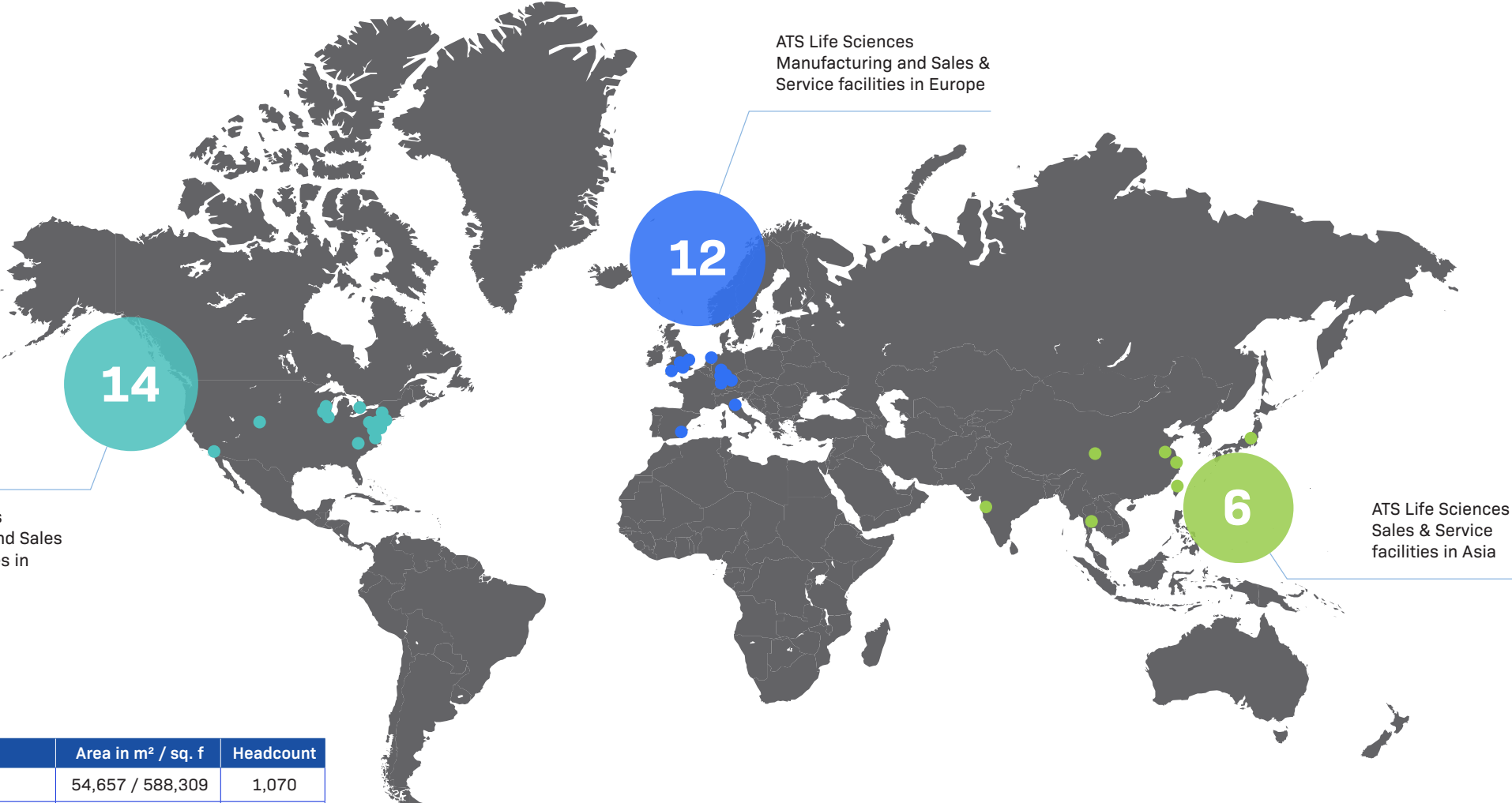
FSA - Front Sub Assembly, RSA - Rear Sub Assembly, PFS - Pre-Filled Syringe, EOAT - End of Arm Tooling



YpsoMate® autoinjector shown actual size

# Our Global Footprint

ATS Life Sciences Systems provides high-quality, high-value automation solutions to manufacturers of medical technology and pharmaceutical products where regulatory compliance is critical. With manufacturing sites in North America and Europe, we have a highly flexible supply base.



ATS Life Sciences Manufacturing and Sales & Service facilities in North America

ATS Life Sciences Manufacturing and Sales & Service facilities in Europe

ATS Life Sciences Sales & Service facilities in Asia

Site	Area in m <sup>2</sup> / sq. f	Headcount
LS Cambridge	54,657 / 588,309	1,070
LS REM Cambridge	10,962 / 118,000	125
IWK	30,500 / 328,299	550
Comecer	15,735 / 169,400	375
BioDot	1,393 / 15,000	93
Scientific Products	28,000 / 300,000	800
Avidity	13,191 / 142,000	380

# Notes:

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---



Leading life sciences companies trust us to solve their production needs. Let's discuss how  
ATS automated autoinjector assembly equipment can deliver for you.



Contact us at [lifesciences@atsautomation.com](mailto:lifesciences@atsautomation.com)

ATS, ATS LOGO and ATS LIFE SCIENCES SYSTEMS LOGO are trademarks of ATS Corporation and may not be used without permission.  
Molly® is a registered trademark of SHL Medical AG. Ypsomate® is a registered trademark of The Ypsomed Group.

