ECLIPSE
AUTOMATION

OVERVIEW

The Aurora Platform™ Series

High velocity manufacturing demands agility. The Aurora Platform™ Series provides a future ready foundation built for flexibility, speed, and performance.

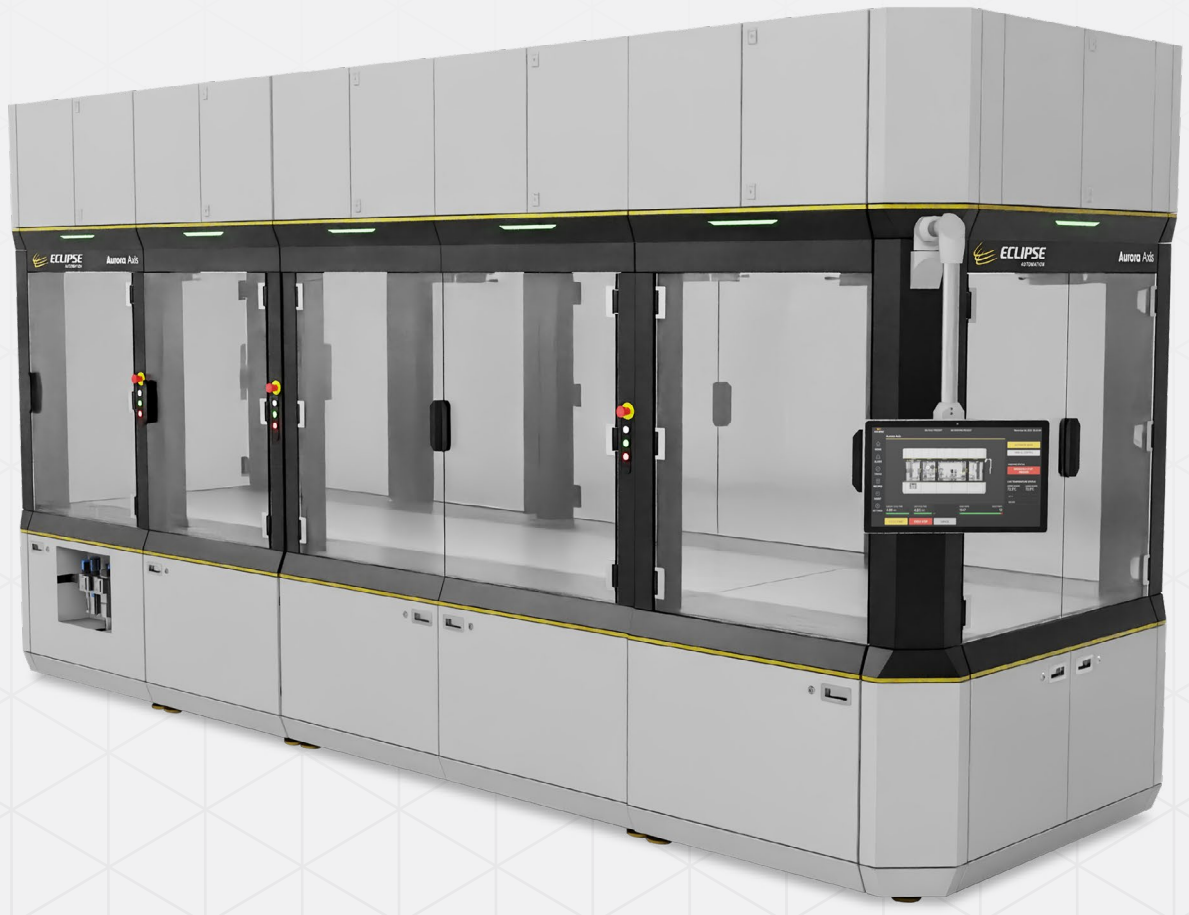
Smarter automation for rapidly changing factories

Accelerate your journey from concept to full-scale production with the Aurora Platform™ Series. This tiered, configurable, and pre-engineered architecture is designed to scale with your business.

Today's factories face mounting pressure from shorter product lifecycles, labor shortages, and rising capital scrutiny. The Aurora Platform™ Series addresses these challenges by shifting from fully custom automation to a configured Building Blocks approach.

This modular logic allows your system to evolve as products change, using preplanned and simple interfaces to add or rearrange process stations. You can automate faster, adapt easily, scale intelligently, and futureproof operations without the cost or complexity of traditional one-off designs.

Standardized architecture eliminates the complexity and project delays often caused by off-menu hardware changes.



Aurora Axis™

Scalable architecture for every stage of production

Scale your production with the Aurora Platform™ Series

Aurora Edge™
The "Crawl" Phase
A lower-cost, simplified manual or semi-automatic station for low-volume, lower inertia operations.

Aurora Core™
The "Walk" Phase
A robust, mid-volume unit ideal for dense production steps like robotic clusters or dial assembly.

Aurora Axis™
The "Run" Phase
The high-volume solution designed for linear conveyor assembly and infinite future expansion.

Cross-industry applications

Automotive | Life Sciences | Consumer Goods | Industrial | Energy

CRAWL | Aurora Edge™

The precision entry point

A compact, high-utility architecture ideal for focused processes or labs. Optimized for manual, semi-auto, or focused automatic tasks. A seamless gateway into the Aurora Platform™ production ecosystem.

WALK | Aurora Core™

The versatile powerhouse

A robust central unit designed to serve as the anchor for dense, multi-process station arrangements and high-inertia operations.

RUN | Aurora Axis™

The scalable backbone

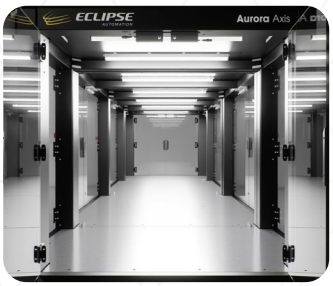
The ultimate for linear conveyor-based assembly sequences, featuring "Parent/Child" architecture and utilizing Building Block segments to provide infinite expansion in 1m and 2m increments.

Engineered for speed, scalability, and growth

Built-in architectural rigor across every tier. Purpose-built for dynamic factories.

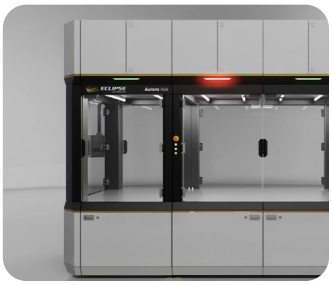
The Aurora Access Standard (AAS)

Maintenance drawer slides: A signature platform feature. Pneumatics and Distributed I/O are mounted on accessible, pull-out drawer slides. This allows for "walk-up" servicing and frees up 100% of internal table space for process equipment.



360° process visibility: Large-format interlocked glass doors and integrated interior LED lighting facilitate easier monitoring and faster troubleshooting.

Visual intelligence: Integrated LED status pillars direct operators to fault locations instantly. Optional safety-rated pendant HMIs (standard on Axis™) allow for localized troubleshooting exactly where the technician is standing.



The "Building Blocks" interface

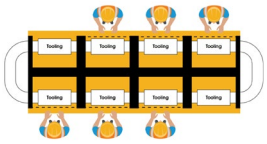
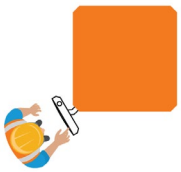
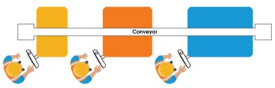
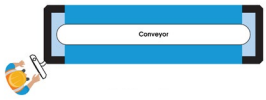
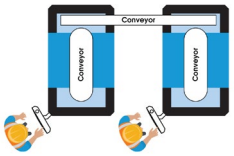
Designed for change: Mechanical and electrical interfaces are identical across the platform. Use pre-planned, simple interfaces to add or rearrange process stations as production needs evolve.

Capital protection: Unlike rigid custom lines, Aurora Platform™ Series assets can be easily repurposed for new projects, protecting your long-term investment.

Future ready data

- **Integrated data architecture:** Every segment is built with an integrated data architecture, enabling smarter decisions through connected systems and real-time data insights. Every unit comes standard with built-in support for real-time performance monitoring, traceability, and Overall Equipment Effectiveness (OEE) tracking.
- **Unified controls philosophy:** Whether you use a standalone Aurora Edge™ or a multi-segment Aurora Axis™, the consistent controls architecture ensures your staff can operate any system with a single learning curve.

Technical platform comparison and compliance matrix

Feature	**Aurora** Edge™	**Aurora** Core™	**Aurora** Axis™
Target industries	Transportation, Energy, Life Sciences, Consumer, Industrial, Electronics, Warehousing, and Aerospace & Defense		
Typical applications	Low Volume (Crawl): Manual, semi-automatic, or automatic stations with lower inertia operations.	Mid Volume (Walk): Best suited for dense station arrangement (multi-robot cells, dial assembly).	High Volume (Run): Linear conveyor-based assembly sequences that exceed Core footprint.
Strategic value	• Lower cost • Simplified design	• More robust than Aurora Edge™ • Finer size increments than Aurora Axis™ • Single-unit shipping (vs. Aurora Axis™)	• Easy future expansion • Can be disassembled for transport • Best for extended linear layouts
Expandability	Butt segments together via conveyor to build multi-station systems. Standalone cell  Example system 	Connect adjacent cells via conveyor integration (for butted segments consider Aurora Axis™ platform). Standalone cell  Example system 	Four segment types (parent end, child end, 1m/ 3.28ft and 2m/ 6.56ft middle segments) enable variable system lengths. Systems connect with conveyors. Standalone cell  Example system 
Configurations	Manual, semi-automatic, automatic.	—	—
Voltage (V)	120 / 208	208 / 480 / 600	208 / 480 / 600
Included Items	Manual: Frame, table Semi-auto/auto: (Manual items) + interlocked guard doors/light curtains, air prep, valve bank, base controls (power distribution, PLC, IO, HMI.	Frame, table, interior lighting, interlocked guard doors, status lights, air prep, valve bank(s), base controls (power distribution, PLC, IO, HMI(s)).	
Default HMI quantity	1	1	2
Outside dimensions (LxWxH mm)	AE-1000: 1000x1000x2100 AE-1500: 1500x1000x2100	AC-1610: 1800x1500x2800 AC-1616: 1800x1800x2800 AC-1620: 2500x1800x2800	AA-1600: 2500x1800x2800 Minimum size: 2 end segments (Parent/Child); length expandable in 1m or 2m increments.

Compliance and global standards:

Note: Standard offerings are listed above. Possible application specific variants include heavy duty frame segments, clean room, and low height applications.

- Safety: CSA Z432, CSA Z434, ANSI B11.19, ANSI R15.06.
- Electrical: CSA C22.1/C22.2, NFPA 79.
- Environment: Cleanroom variants available (ISO 6 compliant) with stainless steel skinning and Fan Filtration Units (FFU).

The Eclipse Advantage

Founded in Cambridge in 2001, Eclipse Automation delivers manufacturing automation solutions for clients across the nuclear energy, life sciences, transportation, consumer, industrial, food & beverage, semiconductors, and aerospace & defense sectors.

Our cross-industry experience allows us to adapt proven technologies and best practices from one sector to another, enhancing precision, performance, and reliability for every customer.

With operations across Canada, the U.S., and Europe, we continue to grow our reach and capabilities to meet the evolving needs of all global manufacturers.

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