



The AYMA IVF Workstation



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Engineering a safe and ideal environment for fertilization



A Modern, Integrated Solution for reliable and stable workflow

The AYMA IVF Workstation is an advanced system designed to create a safe, stable, and completely controlled environment for fertility treatment centers.

By integrating a professional, ergonomic design with precise performance, which allows embryologists to perform all critical steps by providing the ideal conditions, optimized space, anti-vibration platform, and balanced table





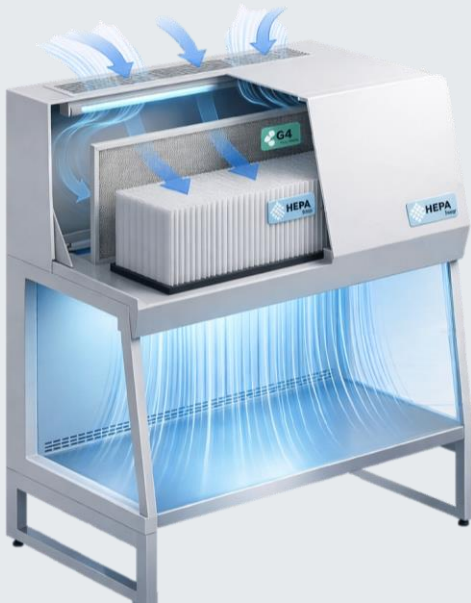
The Environment: a stable Atmosphere

Creating a pristine workspace through advanced air filtration and flow dynamics.

Protect Every Procedure with Vertical Laminar Airflow and Dual-Stage Filtration

A continuous vertical laminar flow of clean air moves from top to bottom, effectively pushing potential contaminants away from the sterile work surface.

This creates a stable and pure environment for embryology. The air is purified through a two-stage system:



- G4 Pre-Filter: Captures larger particles with 85% efficiency.
- HEPA Filter: Achieves an efficiency of over 99.97% for particles as small as 0.3 microns, meeting the rigorous H13 / EN 1822 standard.





The Workspace: Precision Thermal Control

Maintaining unwavering temperature stability across the entire work surface.

Achieve Uniform Thermal Stability with Independent Multi-Zone Heating

The work surface is engineered with ten (9+1) independent heating zones, each equipped with its own dedicated PT-100 Class-A sensor and control system. This design guarantees a highly uniform and stable temperature across the entire area, preventing thermal shock to samples even during the best.

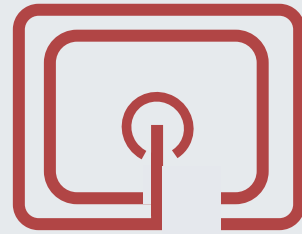
- Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$
- Controller Resolution: 0.1°C



Maintain Specimen Temperature Integrity During Critical Observation

The AYMA Workstation features a dedicated heated glass surface designed specifically for microscope use. This ensures samples are maintained at a constant, optimal temperature throughout observation and testing, creating a stable and uninterrupted microenvironment where precision matters most.








The Seamless Workflow Control Center

Integrating essential tools and providing centralized control for an efficient and error-free process.

Centralized Command at Your Fingertips via a Modern Touchscreen Interface

An intuitive touchscreen panel provides the user with complete control over the workstation's environment. From this central interface, operators can easily:

-  View and precisely set the temperature for each individual heating zone.
-  Monitor the real-time status of all critical systems.
-  Manage overall device functions for a efficient workflow.





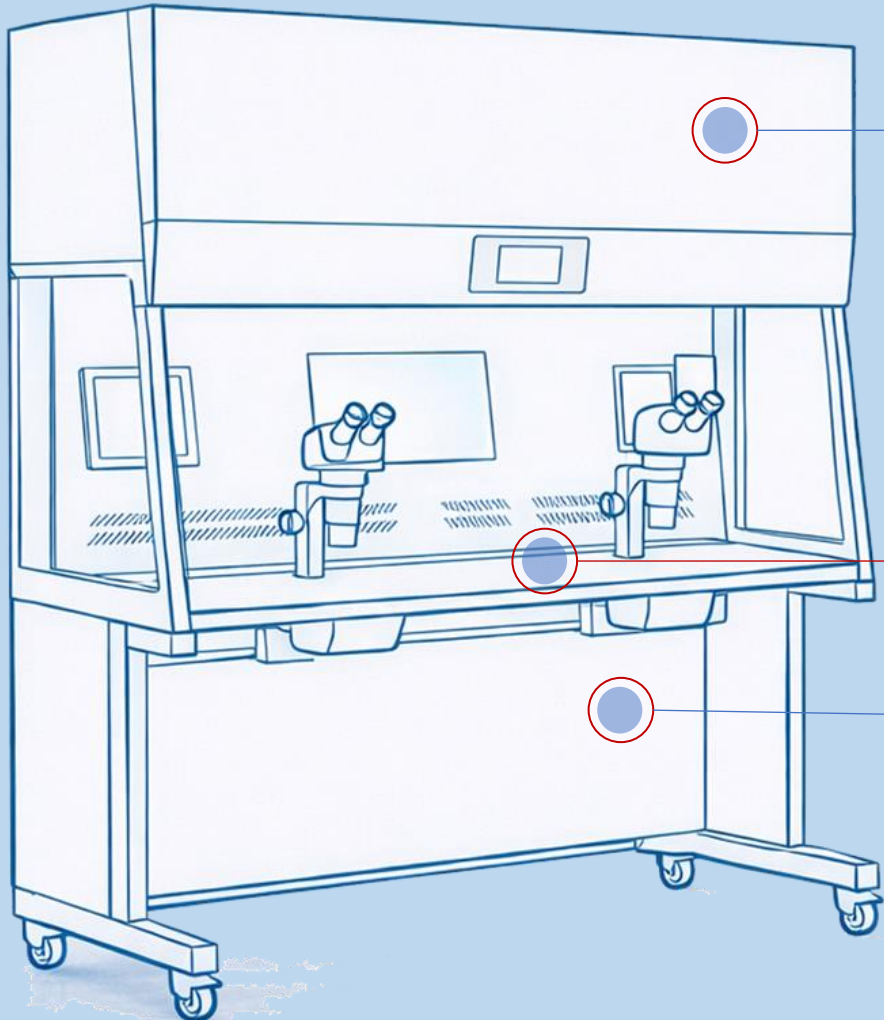
Designed for Your Workflow: Flexible Integration with Microscopes and Imaging

The workstation is built for maximum compatibility, accommodating up to two stereo or inverted microscope heads to suit your laboratory's specific needs. Furthermore, it offers complete integration with imaging systems. Cameras can be mounted on the microscopes and connected to an optional All-in-One display, allowing for live monitoring, team collaboration, and critical process documentation directly at the workstation.



The Foundation: Engineered for Durability and Adaptability

A closer look at the robust construction, premium materials, and optional configurations.



Built for the Rigorous Clinical Environment with Premium, Hygienic Materials

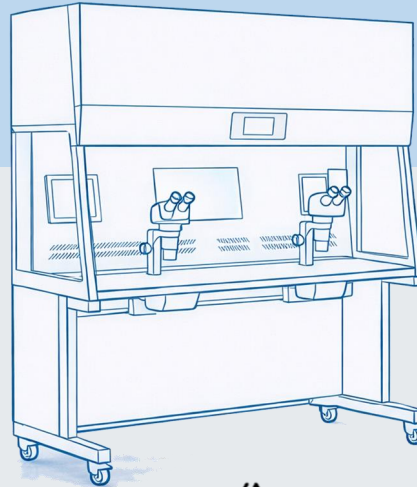
Every component of the AYMA Workstation is selected for durability, cleanability, and reliable performance in demanding clinical environments.

- * **Main Body:** Constructed from a robust steel profile and galvanized sheet, finished with an antibacterial paint to support a hygienic environment.
- * **Ergonomic Design:** Thoughtfully engineered for user comfort during prolonged use and designed for easy cleaning and maintenance.
- * **Work Surface:** Fabricated from high-quality Grade 304 stainless steel, offering excellent durability and chemical resistance.

Tailor the AYMA Workstation for Your Laboratory's Exact Requirements

The AYMA platform can be configured with a range of optional features to perfectly match your workflow and research needs.

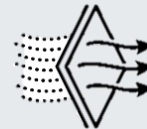
Available upgrades include:



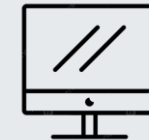
Humidification
System



UV Sterilization
Lamp



Filtration (H13,14,15)



Integrated All-in-
One PC
Custom



Microscope
Heads

AYMA IVF Workstation: Technical Specifications

Dimensions & Construction

- Overall Dimensions: 2000 (W) x 750 (D) x 2100 (H) mm
- Work Area: 1870 (W) x 600 (D) x 750 (H) mm
- Work bench: Grade 304 Stainless Steel sheet and profile
- Body: Galvanized Sheet and profile
- Antibacterial Paint
- Glass: 8mm Tempered Safety Glass

Performance & Environment

- Airflow Speed: 0.17 - 0.25 m/s (Vertical Laminar flow)
- HEPA Filter Efficiency: >99.997% @ 0.3 μm (Class H13)
- Pre-Filter: G4 > 90% Efficiency @ 10 μm
- Noise Level: < 60 dBa
- Heated Zones: 10 (9+1 configuration)
- Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$
- Temperature Sensor: PT-100 4-wire Class-A

The AYMA IVF Workstation: Where Precision Engineering Creates the Ideal Environment to thrive a Life

By combining unparalleled environmental stability, an intelligently integrated workflow, and a robust, user-centric design, the AYMA Workstation delivers the confidence and consistency essential for modern fertility clinics. More than an instrument, it represents a foundational investment in quality, control, and procedural success.





Contact us

