

Horizon

Re-Transforming all of Science

PRODUCT CATALOGUE



www.horizonpharmalabs.com



Who We Are?

OUR ASPIRATION

Horizon is a forward-thinking brand dedicated to transforming the future of science through advanced scientific and process equipment. Over the years, Horizon has established itself as a trusted leader in the healthcare and laboratory equipment sector, delivering precision-driven, compliant, and reliable solutions to global markets. With a strong presence in the Kingdom of Saudi Arabia, Horizon actively supports Saudi Vision 2030 by enabling innovation, quality manufacturing, and technological advancement in scientific infrastructure. Our expertise spans the design, manufacturing, and supply of high-performance equipment that meets stringent international regulatory and quality standards.

OUR EXPERTISE

Horizon designs and manufactures scientific and process equipment in strict alignment with globally recognized regulatory and quality frameworks. Our solutions support stability studies and testing requirements mandated by international authorities including ICH, FDA, TAPPI, TGA, Japan's MHLW/PMDA, MHRA, ANVISA, and ASEAN Guidelines, along with relevant national and international testing standards. By integrating these regulatory expectations into our equipment design and performance criteria, Horizon enables organizations to achieve consistent compliance, ensure data integrity, and meet approval requirements across multiple global jurisdictions with confidence.

MISSION

To deliver world-class scientific and process equipment that ensures regulatory compliance, operational excellence, and long-term reliability while supporting healthcare advancement and scientific innovation across Saudi Arabia and global markets.

VISION

To become a globally recognized leader in scientific equipment manufacturing, driving innovation, quality, and compliance in alignment with Saudi Arabia's Vision 2030, and redefining standards of excellence in healthcare and laboratory solutions worldwide.

WHY HORIZON?

- Global regulatory compliance focus
- Precision-engineered scientific equipment
- Strong alignment with Saudi Vision 2030
- Commitment to quality, innovation, and performance
- Trusted partner for international healthcare and research industries



Core Solutions & Capabilities

ADVANCE STANDALONE ENVIRONMENTAL CHAMBER

High-precision standalone chambers engineered to deliver consistent environmental control for regulated testing and research applications.

- Stability & Humidity Chambers
- Incubators (BOD, Bacteriological, Orbital Shaking)
- Cold & Cooling Chambers / Cooling Cabinets
- Deep Freezers & Ultra-Low Temperature Freezers
- Photostability Chambers
- Dual-Zone Chambers

LARGE-SCALE WALK-IN ENVIRONMENTAL SYSTEMS

Custom-designed walk-in chambers offering scalable, uniform, and reliable environmental conditions for industrial and pharmaceutical operations.

- Walk-In Stability & Humidity Chambers
- Walk-In Incubators
- Walk-In Cold Chambers
- Walk-In Deep Freezers
- Industrial Ovens

PRECISION LABORATORY THERMAL EQUIPMENT

A comprehensive range of laboratory ovens and furnaces designed for accuracy, durability, and compliance with international testing standards.

- Hot Air Ovens
- Pass-Through Ovens
- Vacuum Ovens
- Muffle Furnaces

ICH Guidelines for Stability & Photostability Studies

The International Council for Harmonisation (ICH) establishes globally accepted guidelines to ensure the safety, quality, and efficacy of pharmaceutical products throughout their shelf life. These guidelines define controlled environmental conditions temperature, humidity, and light exposure to accurately simulate real-world storage, transportation, and climatic variations across global regions.

Horizon's advanced Stability and Photostability Chambers are engineered to fully comply with ICH QIA (R2) and ICH Q1B requirements. Through precise environmental control, uniform test conditions, and reliable data integrity, Horizon enables pharmaceutical and healthcare organizations to achieve regulatory-compliant, reproducible, and globally accepted results.

ICH QIA (R2) - Stability Testing of Drug Substances & Products

Stability studies assess how environmental factors such as temperature and humidity affect pharmaceutical product quality over time. Horizon chambers support long-term, intermediate, and accelerated stability testing, ensuring accurate evaluation of product shelf life under various storage conditions.

Stability Testing Conditions			
Study Type	Storage Conditions	Min. Study Period	Application
Long-Term	25°C ± 2°C / 60% RH ± 5% RH	12 Months	General Conditon
	30°C ± 2°C / 65% RH ± 5% RH	12 Months	Climatic Zones
Accelerated	40°C ± 2°C / 75% RH ± 5% RH	6 Months	Stress Testing
Long-Term	25°C ± 2°C / 40% RH ± 5% RH	12 Months	Semi-Permeable Packaging
Intermediate	30°C ± 2°C / 65% RH ± 5% RH	6 Months	Semi-Permeable Packaging
Accelerated	40°C ± 2°C / 25% RH ± 5% RH	6 Months	Semi-Permeable Packaging
Long-Term	5°C ± 3°C	12 Months	Refrigerated Products
Long-Term	-20°C ± 5°C	12 Months	Frozen Products

ICH QIB - Photostability Testing

Photostability studies evaluate the effect of light exposure on pharmaceutical products. Horizon's photostability chambers are designed to deliver uniform illumination and controlled UV exposure, enabling accurate assessment of light-induced degradation and product sensitivity.

Photostability Test Conditions		
Study Type	Storage Conditions	Standard
Photostability	1.2 Million Lux Hours & UV Exposure of 200 Watt Hours	ICH QIB

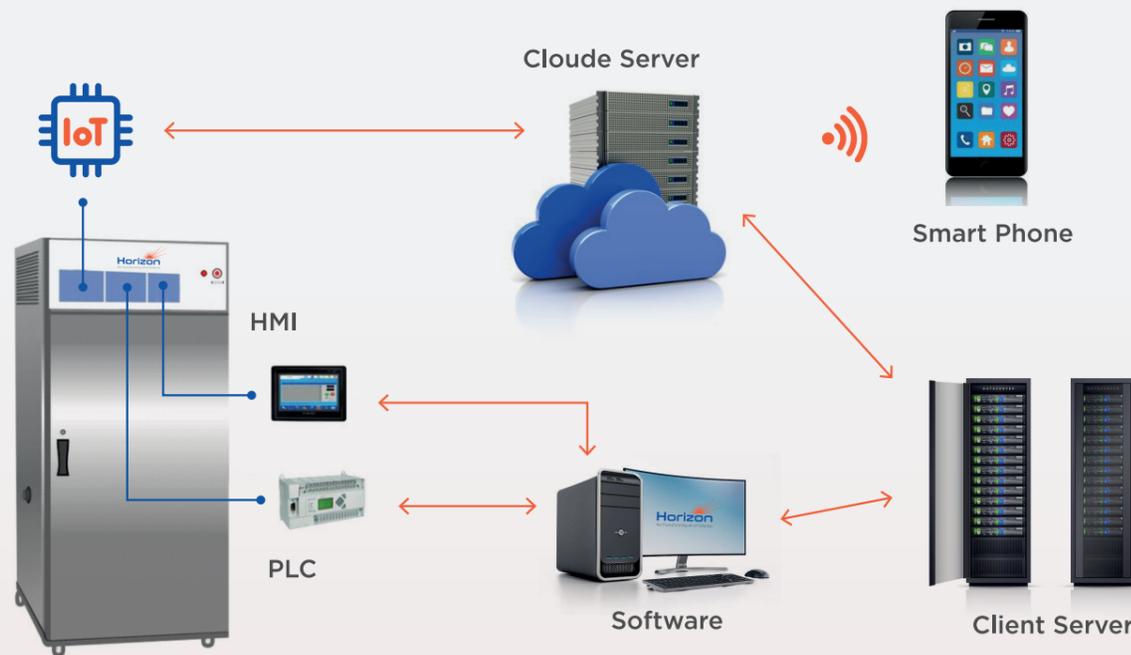
ICH QIB - PHOTOSTABILITY TESTING

Horizon's stability and photostability solutions are developed in strict alignment with ICH QIA (R2) and ICH QIB guidelines, ensuring acceptance across global regulatory markets. Our systems provide highly precise control of temperature, humidity, and light exposure, accurately simulating real-world storage and climatic conditions. Uniform environmental distribution ensures consistent and repeatable test results, supporting long-term and accelerated studies with confidence. Designed to deliver regulatory-ready, high-integrity data, Horizon equipment is trusted by pharmaceutical, healthcare, and research organizations worldwide for seamless global submissions and approvals.

EMPOWERING REGULATORY CONFIDENCE WORLDWIDE

Horizon delivers future-ready stability and photostability solutions that support global regulatory compliance, accelerate approval timelines, and ensure consistent product quality-fully aligned with international standards and Saudi Arabia's Vision 2030.

Why Horizon CDAQ?



Horizon CDAQ is an advanced web-based and IoT-enabled software platform designed to deliver complete control, monitoring, and compliance for environmental testing chambers. The system is fully compliant with US FDA 21 CFR Part 11, ensuring secure electronic records, electronic signatures, and complete audit trails that meet global regulatory requirements.

With Horizon CDAQ, users can monitor and control chambers remotely in real time, whether they are working from a desktop computer, laptop, tablet, or mobile device. The browser based architecture eliminates the need for multiple software installations, allowing seamless access from anywhere, at any time.

The integration of IoT technology enables reliable communication between chambers, software, and users, offering features such as live system status, graphical data visualization, automated data logging, alarm notifications via SMS and email, and secure report generation in non-editable formats.

Horizon CDAQ also simplifies laboratory operations by providing role-based user access, centralized data management, automated backups, and remote diagnostics, helping laboratories improve efficiency, reduce manual effort, and remain audit-ready at all times.

SMART MACHINESS, SEAMLESS PERFORMANCE ALWAYS

KEY HIGHLIGHTS

- **Web & Mobile Access** - Direct chamber monitoring and control through any web browser
- **IoT & Wireless Connectivity** - Ethernet and wireless access for seamless integration
- **Live Status & Graphical View** - Real-time monitoring with consolidated dashboards
- **Smart Alerts & Notifications** - SMS and email alarms, notifications, and automated reports
- **21 CFR Part 11 Compliance** - Secure electronic records, e-signatures, and audit trails
- **Automatic Data Logging & Backup** - Secure, tamper-proof PDF reports with data backup
- **Role-Based User Access Control** - Department, group, and chamber-level permissions
- **Live MKT & Moving Average Analysis** - Graphical data representation for enhanced analysis
- **Remote Diagnostics** - TeamViewer-enabled remote access for quick troubleshooting
- **Component Run-Hour Monitoring** - Predictive maintenance and equipment health tracking

Installation - One Time, Lifetime

- Single Server Installation
- No multiple software, no repeated qualification
- Access from anywhere without system dependency

100% Paperless Data Management

- Digital review, approval & signing
- Complete audit trail with time-stamp
- Auto supervisory alerts
- All equipment live view on one dashboard

Advanced Configuration

- Operator to Admin level role setup
- Plant-wide uniform report format
- Custom alarm rules with delay & notification count

Safe & Secure

- Local + Cloud backup options
- Auto & manual backup
- Easy data restore & archiving

Machine & Hardware

- SS Body + PUF - Tough & Insulated
- Eco Compressor - Efficient & Green
- Steam Humidity - Precise Control
- Backup Systems - Zero Downtime
- Smart Sensors - Accurate Everywhere

Automation & Safety

- PLC Control - 0.1° Precision
- Touchscreen HMI - Instant Access
- Secure Door Access - Audit Ready
- Audio-Visual Alerts - Immediate Notification
- Safety Logic - Protects Temp, Humidity & Sensors

Horizon

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