PATHOLYSIS

SHIELD

GROSSING WORKSTATION

"STRENGTH IN DESIGN, CLARITY IN DIAGNOSTICS."



CE

MADE IN EUROPE

ISO 9001 CERTIFIED

StahlLab
Medizinische Geräte

STAINLESS STEEL

LABORATORY DEVICES & FURNITURES

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NEW

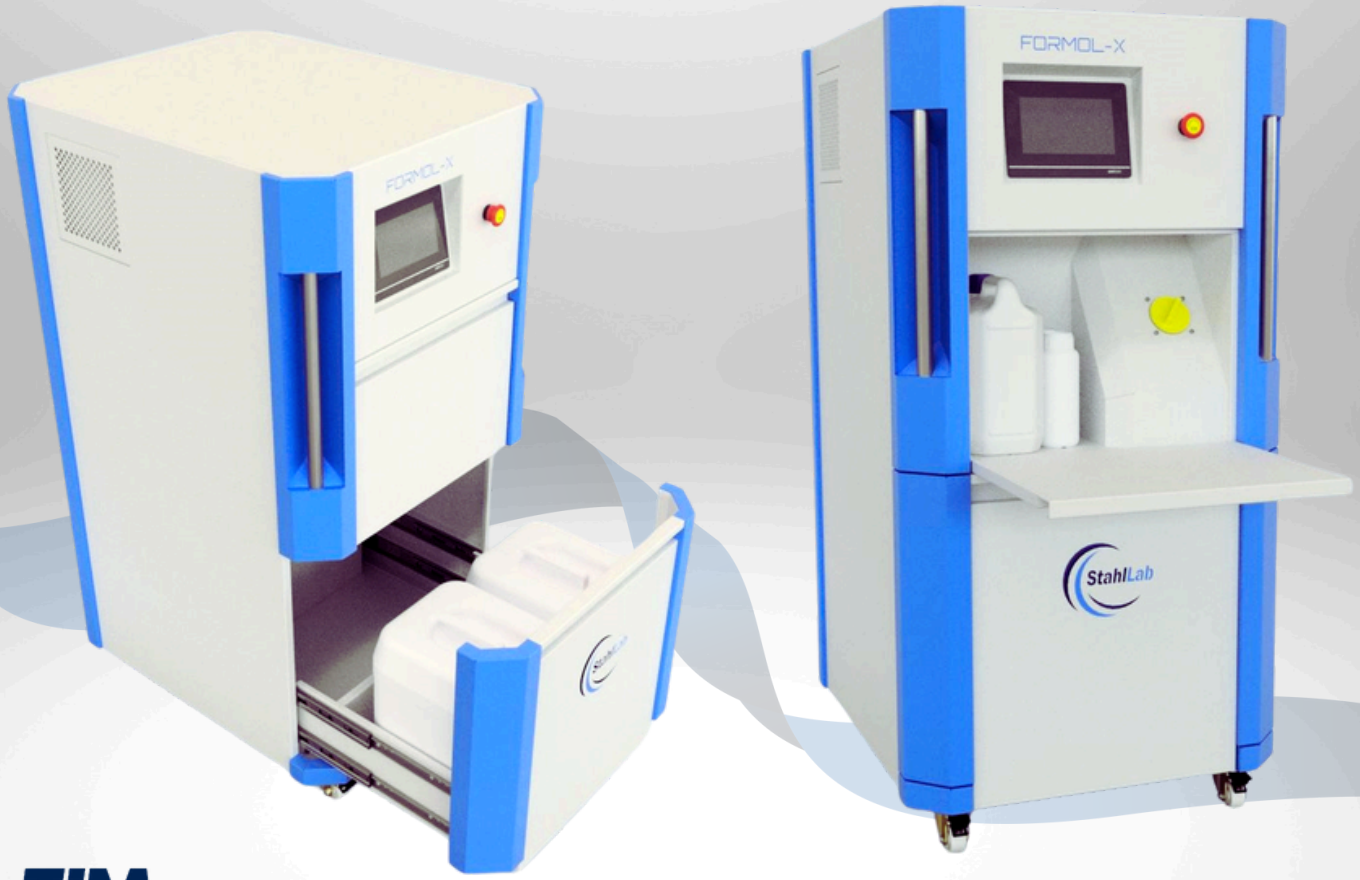
ARRIVAL

NEW

FORMALIN EXPOSURE?
NO.

FORMOL-X

FULLY AUTOMATED FORMALIN PREPARATION AND DISPENSING DEVICE.



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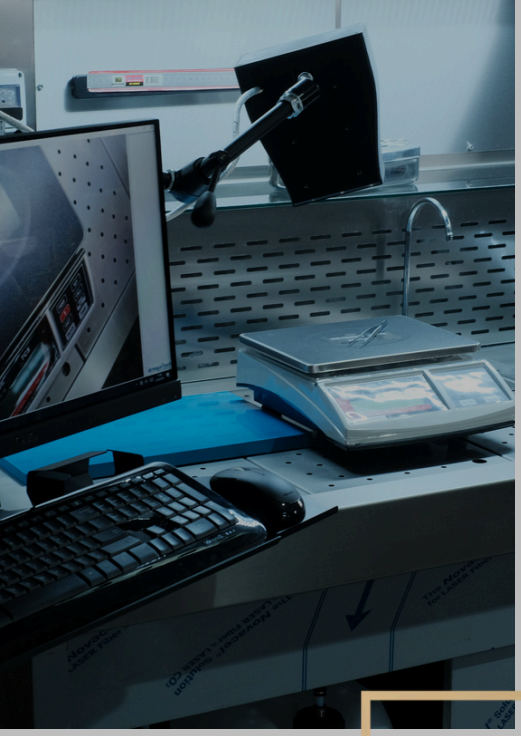

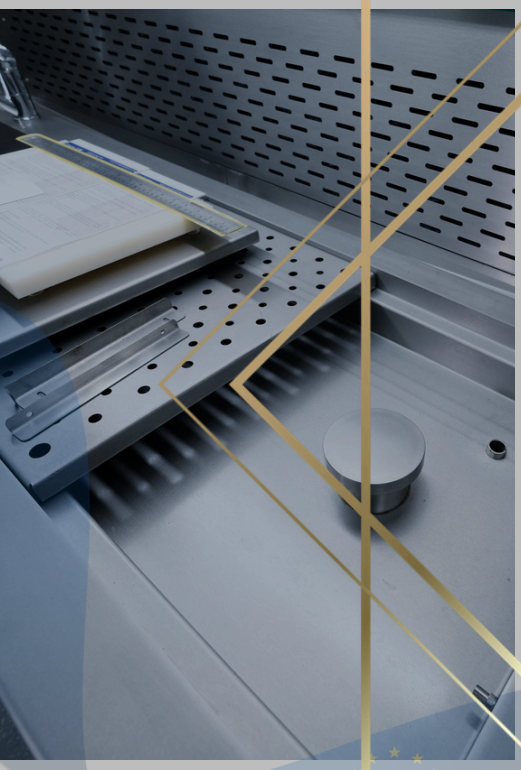





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SERIE-1

GROSSING WORKSTATIONS



WS-200 PATHOLYSIS SHIELD

Grossing Workstation for Pathology Laboratories

Engineered for Precision, Safety, and Efficiency

Our advanced Grossing Workstation is purpose-built to meet the demanding requirements of modern pathology laboratories. Designed with a focus on operator safety, workflow efficiency, and durability, it provides an optimal environment for accurate specimen handling. The workstation comfortably accommodates up to two users, enabling collaborative work without compromising performance or safety.

Premium Stainless Steel Construction

- Worktop manufactured from 316-grade stainless steel (1.5 mm thickness) for superior chemical resistance and corrosion protection
- Main structure constructed from 304-grade stainless steel (1.0 mm thickness), ensuring strength, durability, and long service life

Spacious and Ergonomic Design

- Generous working surface equipped with perforated grid plates to optimize airflow
- Ergonomically designed layout enhances user comfort and operational efficiency
- **Elevation Option from 800 to 1100mm.**

Advanced Ventilation System

A high-performance ventilation system ensures maximum protection against hazardous fumes:

- Integrated downdraft and backdraft ventilation for effective fume extraction
- Ventilated base cabinet improves overall airflow distribution
- Comprehensive three-zone ventilation system:
  - Base cabinet ventilation
  - Downdraft ventilation
  - Backdraft ventilation

Efficient Rinsing System

- Prevents liquid accumulation within the downdraft area
- Maintains a clean, hygienic, and safe working surface

Optimized Illumination Options

- LED or spotlight lighting for bright, energy-efficient illumination
- Halogen lighting option provides warm light, ideal for detailed specimen examination and high-quality photography

User-Friendly Touchscreen Control

- Intuitive touchscreen interface for seamless operation
- Enhances hygiene while supporting a modern, technology-driven laboratory environment

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GROSSING WORKSTATIONS

Enhanced Air Quality
- Integrated carbon filter / $KMnO_4$ filtration system to reduce exposure to formaldehyde fumes
- Promotes a safer and healthier workspace

Foot Pedal Controlled Functions

Hands-free operation for improved safety and convenience:
- Hot water
- Cold water
- Optional formalin dispensing system

Standard Accessories

Supplied with essential accessories to support daily laboratory operations (details available upon request).

1. Product Description

The Grossing Workstation is a specially engineered laboratory system designed to meet the comprehensive requirements of modern pathology laboratories. It provides a safe, ergonomic, and highly efficient environment for macroscopic examination and dissection of specimens, while ensuring optimal operator protection from hazardous fumes.

2. Construction & Materials

2.1 Premium Construction
- Working Surface:AISI 316 Stainless Steel (1.5 mm thickness)
- High resistance to aggressive chemicals and corrosion
- Main Body Structure:AISI 304 Stainless Steel (1 mm thickness)
- Durable, hygienic, and long-lasting construction

2.2 Structural Design
- Modular upper and lower cabinet configuration
- Heavy-duty industrial construction
- Corrosion-resistant surfaces
- Stable base structure for vibration-free operation

3. Dimensions & Weight

3.1 Dimensions
- Upper Module:Width: 2050 mm
- Depth: 950 mm
- Height: 1450 mm
- Lower Module:Width: 2050 mm
- Depth: 900 mm
- Height: 1150 mm

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3.2 Weight
- Upper Module: 260 kg (±5 kg)
- Lower Module: 200 kg (±5 kg)

4. Work Area & Ergonomics
- Large and efficient working surface
- Perforated grid plates for improved drainage and workflow
- Height-adjustable working plates
- Fold & slide mechanism for flexible usage
- Designed for simultaneous use by 2 operators
- Optional independent height adjustment for each operator

5. Ventilation System

5.1 Advanced Airflow Design
- Downdraft Ventilation System
- Backdraft Ventilation System
- Provides effective removal of hazardous fumes from the working area

5.2 Ventilation Options
- Recirculating Exhaust System
- External Exhaust System
- Remote Exhaust System

5.3 Filtration
- Integrated carbon filter system
- Effectively removes formaldehyde and harmful chemical vapors
- Ensures a safe and compliant working environment

6. Rinsing System
- Integrated rinsing system prevents liquid accumulation
- Designed to maintain hygiene in the downdraft area
- Continuous drainage support

7. Illumination System
- Long-life LED lighting for clear visibility
- Optional halogen lighting for enhanced sample photography

8. Control & Operation

8.1 User Controls
- Automated or manual guillotine glass system
- Foot pedal control for hot and cold water

8.2 Optional Control Features
- Filter monitoring system with:
- Visual warning indicators
- Audible buzzer alerts
- Formalin waste tank control system for safe disposal

9. Safety Features
- Protection against inhalation of toxic fumes
- Optimized airflow system
- Chemical-resistant materials
- Enclosed working environment
- Compliance-ready design for laboratory safety standards

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10. Packaging & Transportation

- Delivered in two main modules:
  - Upper workstation unit
  - Lower base cabinet
- Suitable for palletized transport
- Packaging dimensions as per technical drawing

11. Applications

- Pathology laboratories
- Hospitals
- Research institutions
- Medical universities

12. Customization Options

- Fully customizable design based on laboratory requirements
- Optional accessories and configurations available
- Flexible ventilation and filtration solutions

13. Manufacturer Information

Company: Stahl Lab Laboratory Systems
Location: Istanbul, Türkiye
Website: www.stahl-lab.com

14. Approval

Production and delivery are subject to customer approval.



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GROSSING WORKSTATIONS

STANDART ACCESSORIES

- Led light
- Formalin Tap
- Hot /Cold Water Tap
- Magnetic instrument holder
- Emergency Stop
- Waste Disposer Unit
- Paper Dispenser
- Glove Dispenser
- Polyethylene Dissecting Board

FOOT PEDAL CONTROLLED FUNCTIONS

- HOT WATER
- COLD WATER
- FORMALIN DISPENSING SYSTEM

OPTIONAL ACCESSORIES

- Automatic Formalin Preparation & Dispensing Device
- Cpu stand
- Cassette holder
- Computer monitor and keyboard stand
- Splash shield
- Camera mount facilities
- Video camera facilities
- Dictation equipment stand
- Dictaphone
- Document holder
- Formalin waste tank
- **ELEVATION 800-1100mm**

FILTERS

- PRE-FILTER
- KMnO4 / CARBON FILTER
- HEPA FILTER

TOUCH SCREEN CONTROLLED FUNCTIONS

- VENTILATION SYSTEM
- FILTERS TIME SETTING
- WASTE DISPOSER
- LIGHT
- LIGHT INTENSITY
- FAN SPEED CONTROL
- FRESH AND WASTE FORMALIN CARBOY TRACKING
- SASH SYSTEMS
- FILTERS
- SURFACE RINSING SYSTEM

- EXTRA Magnifier
- PermanganeteFilter / Carbon filter
- Paper towel holder
- Measuring rule
- Strainer for Washing Sink
- Magnetic instrument holder
- Polyethylene dissecting board
- Glovebox holder
- Removable Trash Container
- UV Lamb
- Task Lamb

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GROSSING WORKSTATIONS



AISI 316 QUALITY REST CONSTRUCTION

316 Stainless Steel Quality 1.5mm construction of rest



AISI 316 QUALITY WORKING PLACE

316 Stainless Steel Quality 2mm construction for working place which has effective resistance for chemicals.

PERFORATED GRID PLATES ON WORKING TOP

Large and effective working area with Perforated Grid Plates

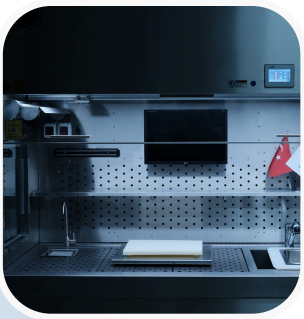
DOWN-DRAFT & BACK-DRAFT VENTILATION

Downdraft & Backdraft ventilation that keeps the user safe from inhaling chemicals during working











STANDARD DIMENSIONS (CUSTOMIZABLE)		
WIDTH	DEPTH	HEIGHT
1200	800	2250
1500	800	2250
1800	800	2250
2000	800	2250

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SINK DIMENSIONS for w:2000 (Customizable)		
WIDTH	DEPTH	HEIGHT
350	400	180

FORMALIN SINK DIMENSIONS		
WIDTH	DEPTH	HEIGHT
150	150	60

PERFORATED WORKING PLATE APPRX	
WIDTH	DEPTH
600	400

ELECTRICAL REQUIREMENTS	220-230 VAC 50-60 HZ
MAX POWER	1300W

DRAIN - WATER INLETS
Ø50 - 3/8"

DUCT CONNECTION
Ø250



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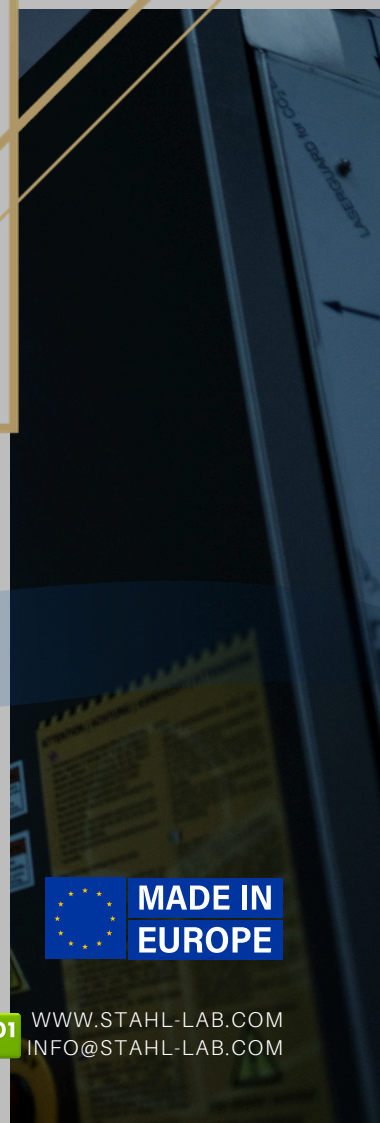

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FULLY AUTOMATED FORMALIN
NEUTRALIZATION DEVICE

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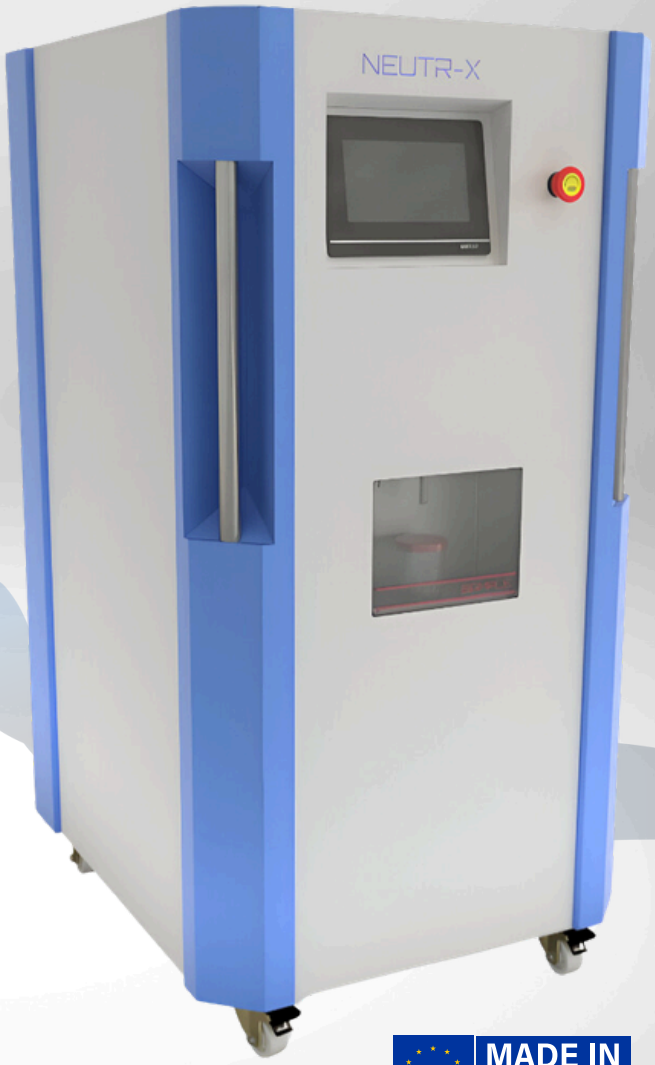
FORMALIN EXPOSURE?
no.





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NEW ARRIVAL

#Autopsy&EmbalmingStation

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CATALOGUE

YEAR 2026

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