

Specifications

Physical Requirements

Dimensions and Weight

- Length: 87.0" (203 cm)
- Width: 34.0" (86 cm)
- Height:
 - Overall – 71.7" (182 cm)
 - Floor to Work Surface - 31.5" (80 cm)
- Weight: Approx. 650 lbs. (295 kg)

Power Requirements

- Input power: 100-240 VAC, 50-60 Hz, 10A

Control

- 2 USB connections (computer not included)

Environmental Conditions

- Ambient operating temperature 5° C to 41° C
- Ambient operating humidity 20 to 80% RH non-condensing

Benchtop Weight Capacity

- Benchtop weight capacity: 600 lbs. (272 kg)

Utility Requirements

De-Ionized Water

- 18.2 MΩ resistivity
- Pressure: 2-3 bar (30-45 psi) minimum
- Flowrate: 20 mL/min minimum
- Supply line: 0.25" O.D. (0.155" I.D.) PFA tubing

Inert Gas (Optional)

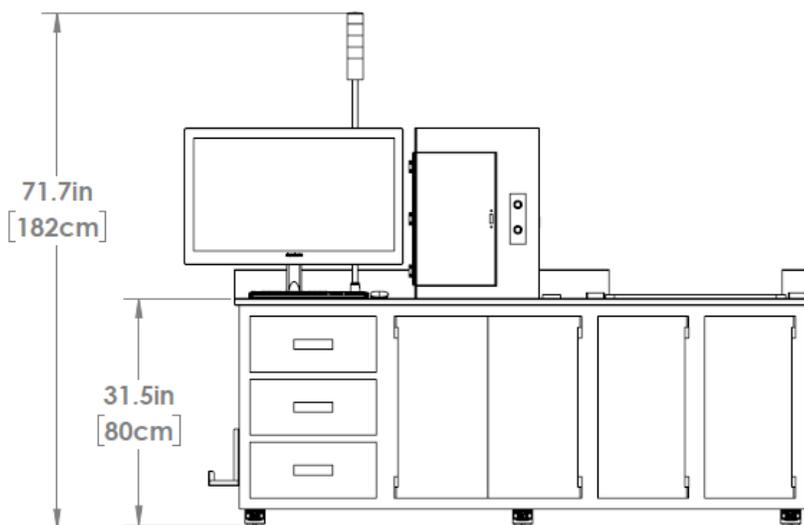
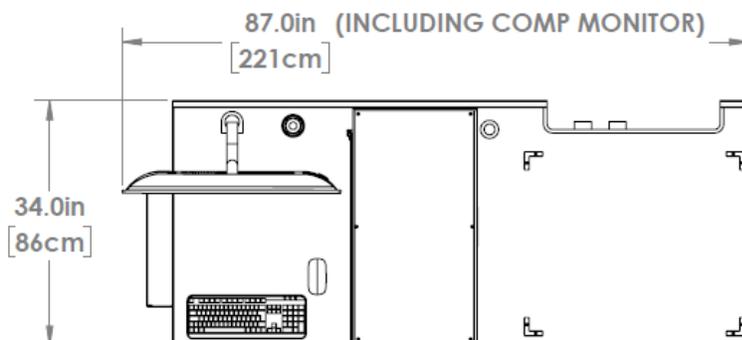
- Pressure: 1-7 bar (15-100 psi)
- Supply line: 0.25" O.D. tubing
- Recommended gas: Argon

Exhaust

- Acid fumes: 2" SCH80 PP pipe, minimum flowrate 60 CFM (1650 liters/min)
- Equipment heat: 2" SCH80 PP pipe, minimum flowrate 80 CFM (2200 liters/min)

Waste

- Acid + DIW waste exiting through 1" PVDF pipe



Hardware

CPU Mounting Bracket

- Weight capacity: 75 lbs. (34 kg)
- Max CPU dimensions: 7.75" width x 18" depth (19.7 cm x 45.7 cm)
- Support strap included

Computer Monitor Mounting Arm

- Monitor weight capacity: 17 lbs. (7.7 kg)
- VESA compatibility: 75 mm and 100 mm
- Height adjustment: 16" (41 cm)
- Extension range: 24" (61 cm)
- Tilt: +200°

- Pan: 180°
- Rotation: 360° on 3 joints
- Integrated cable management system

Drawers

- Inner dimensions: 16.5" length x 15.0" width x 5.5" depth (42cm x 38 cm x 14 cm)

Sample Enclosure Air Filtration

- Inert gas air shower (standard)
- ULPA air filter (optional)

Vacuum Pump Storage Chamber

- Vacuum pump maximum weight: 150 lbs. (68 kg)
- Vacuum pump maximum size: 13.5" width x 23" length (34 cm x 58 cm)

Computer Monitor (included)

- Screen size: 34", curved
- Screen type: LED
- Dimensions: 31.9" x 4.9" x 14.2" (81 cm x 12 cm x 36 cm)
- Aspect ratio: 21:9

Workstation PC Requirements

*1 PC required for each system

Hardware

- CPU: i5 or better
- RAM: 4GB+
- Two free USB ports
- DVD-ROM
- 20GB+ free file space
- Max PC tower dimensions: 7.75" width x 18" depth (19.7 cm x 45.7 cm)

Software

- OS: Windows 10 (preferred) or Windows 7
- .NET Framework 4.0+
- Microsoft Office 2010 or later

Network Requirements

Network requirements are dependent upon system configuration.

For Local Area Network (LAN) Configuration:

- Local Area Network (LAN) – common for all workstations
- All workstations and database server on the same subnet
- Network TCP Port 1433 (Default)
- Windows Active Directory (preferred)

* For ease of installation please discuss with ESI any additional security programs which might restrict plasmaTRAX operation.

