

# ATUMtome Room Readiness

**RMC**  
Boeckeler



## Electrical Requirements

- 110-120 VAC, 15amps or 220/240VAC 10 amps.
- Two outlets within 1 meter (3 ½') of the instrument are required. We provide one voltage regulator to provide protection from surges and spikes and overload recovery.
- An additional electrical power strip will be required and is not included.
- Water requirements for pump: Clean, double distilled water is recommended.
- Please provide space for the PC computer to the right or left of the ultramicrotome table.
  - It can be placed on an adjacent table or counter
  - The PC table should not be touching the TMC table
  - Space needed for the computer, keyboard and mouse are 24" x 18" x 19"

## Room Size Requirements

- Dimensions of TMC anti-vibration table that comes with a complete ATUMtome package is:
  - 48" Length x 35" Depth x 33" Height
  - 283kg (624 lbs).
  - Room entrance door should be a minimum of 37" wide.
- Please ensure additional space on the sides and back of the table : 4" recommended.
- Total Height required: 62" from floor to the top of the Environmental Chamber.
- Space required for compressor if applicable: 16.5" x 14" x 14" no further than 15m (49') from the table. Compressor should not touch the table.
- If using air compressor provided, do not put it on the anti-vibration table next to the ultramicrotome, leave it on the floor or bench below the table.

## **Environmental Requirements**

- Humidity: < 80% RH (no condensation)
- Temperature: > 18°C > 26°C
- Environmental: Ensure minimal room vibrations, away from heavy foot traffic and other factors that will cause vibrations. Ventilation and other air turbulence should be kept to a minimum.
- Room where the new ATUMtome will be located should be cleared of other unnecessary instruments/tables/desks/etc. prior to installation.

## Other Instrument Requirements

- If opting NOT to use the RMC supplied air compressor:
  - The TMC table requires House Air, or a tank of Dry N<sub>2</sub> gas, or Dry compressed air @ 80 - 100psi (5.5 bar - 7 bar)
  - A regulator is required to deliver 0 - 100psi
  - If Gas/Air tanks are required in the room, please ensure that they are installed and properly secured prior to instrument installation.
- A suitable lab chair will be required with suitable height adjustability, recommended up to 27" high
  - A lab chair is included in a complete ATUMtome package
- Water requirements for water pump – double distilled water