

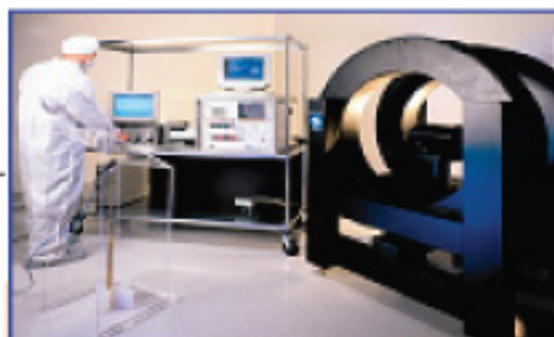
CLEAN ROOM SPECIFICATIONS / CAPABILITY SHEET

FACILITY

- 1,266 Square foot, Class 10,000 Clean Room.
- Ceiling Height 12 Feet.
- ISO standard 14644 Class 7 Clean Room.
- ISO standard 14644 Class 8 Gown Room.
- Contains Non-Magnetic Testing Equipment at one end of lab.

EQUIPMENT

- All Stainless steel benches.
- Branson Omni 2000 Aqueous ultrasonic cleaner/drier.
- De-ionized water provided at 2 stainless steel sinks.
- 3000 PSI nitrogen gas service port.
- 5000 PSI nitrogen gas service port.
- 3000 PSI helium gas service port.
- Oxygen monitoring.
- Oxygen cleaning to MIL-STD-1330D, MIL-STD-1359B, ASTM G93, CGA G-4.1.
- Full gown attire with interlocked anti-room.
- Eye wash station.



NON-MAGNETIC TESTING

Aqualung America is one of the few facilities of its kind in North America with testing capability to CE and MIL-M-19595 standards. It has equipment approved by the US Navy to be used in investigating all phases of Non-magnetic Testing: Magnetic Idealization, Magnetic Measurement/Test (Static), Demagnetization, Magnetic Measurement/Test (Eddy current/Dynamic). Equipment selection and testing procedures have been modeled after USN's EOD Tech Center in Maryland. Four personnel have been trained and qualified to the NAVSEA standard MIL-M-19595C (OS). Items can be tested using fixtures for contact and non-contact equipment.

EQUIPMENT:

1. Manufacturer: Magnetic Instrumentation
Model: 9170 Magnetic System (for Magnetic Inspection of Low Magnetic Signatures) Includes:
 - (2) 36 inch Helmholtz coil sets (magnetizing/de-magnetizing uniform field generator)
 - (1) (2) HP power supplies
 - (2) Programmable microprocessors
2. Model: 2100 Gauss meter
3. Axial Hall Probe (from Magnetic Instrumentation)
4. HSM-2 Station Magnetometer
5. S-66 Shield Assembly (from Schnostedt Instrument Company)
6. PC for data capture to disk or direct output to adjacent printer.

SUPPORT:

Engineering and production staff approved operators:

- (2) Staff Mechanical Engineer
- (2) Production Supervisors
- (1) Plant maintenance supervisor
- (1) Director, R&D

DAILY USE RATE

Call R&D Department at 1-760-597-5055 for quote

