

Ion Beam Platform Advanced Training Course

This advanced-level training course conducted by our training manager includes a live demonstration of a full system preventative maintenance routine, with step-by-step instructions. We also include a preventative maintenance kit.

Suitability

Lab Managers seeking self-sufficiency in maintaining their own Plasma system/s and intending to bring annual preventative maintenance programmes in-house.

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| ⚙️ Advanced-level | 👥 4 places |
| 👤 Training Manager | 🕒 5–10 days
(dependent on system complexity) |
| 📍 Customer site | |
| 📋 Classroom, Cleanroom | |



Course details

Cleanroom based training units

- System health and safety briefing
- System health checks and benchmarking tool performance and using LogViewer to identify preceding trends
- Full instruction and step by step guidance on a complete system PM, candidates encouraged to undertake the work under close supervision
- Essential skills – practical units including:
 - Source disassembly
 - Grid Cleaning
 - Neutraliser conditioning
 - Bearing change and set up
 - Water seals replacement

Classroom based training units

- Location of the main hardware components
- Full Schematic walkthrough
- X20 PLC
- EN13849 (Machinery Standard Safety Circuit)
- RF Matching and the Automatic Matching Unit (AMU)
- Demonstration disassembly of the training tool, highlighting the vacuum critical components and the areas where PM work is to be undertaken
- Fault tracing exercise using actual fault scenarios seen in the field and post PM issues, vacuum leaks, process drift, RF Matching
- Ongoing candidate (self) assessment