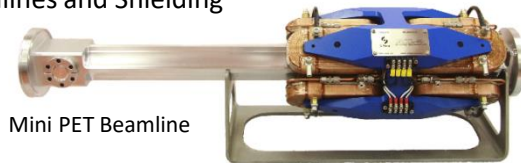


PRODUCT & SERVICE LIST

D-Pace supplies complete turnkey beamline systems, and beamline sub-components such as: magnets, beam diagnostics, vacuum chambers, supports and shielding to the international commercial accelerator industry. In addition D-Pace provides auxiliary ion source systems, and spectrometer and energy analysis systems.

Beamline Systems

- BNCT Beamlines
- Mini-Beamlines for PET
- Injection Beamlines
- Custom Beamlines and Shielding



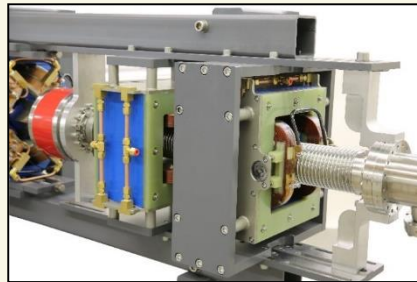
Mini PET Beamline



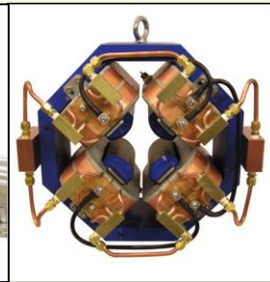
Beamline for BNCT System

Magnets

- AC Scanning Magnet for Beam Raster Scanning
- Quadrupole
- Dipole: Bender, Steerer, Analyzing
- Solenoid
- Custom Magnets Including Ion Optics Design



AC Scanning Magnet



Quadrupole Magnet



DC XY Steer Magnet

Turn-key Negative Ion Source Systems

- 30 keV, up to 15 mA H^- Volume-Cusp Filament Sources (TRIUMF Licensed)
- 20 keV, 1mA RF H^- source (University of Jyvaskyla License)
- Ion Source Replacement Parts (Maintenance and Consumables)



TRIUMF Licensed H^-/D^- Ion Source



Turn-key Positive Ion Source Systems

- D-Pace, Inc. is now representing Pantechnik's world-class ECR Ion Sources in North America (www.pantechnik.com)



Pantechnik MONOGAN 1000

PRODUCT & SERVICE LIST

(continued)

Beam Diagnostic Devices

- Emittance Scanner Systems
- Pneumatically-Actuated Faraday Cups & Beam Stops
- Wire Scanner
- Mass Spectrometer and Energy Analysis Systems
- Slits and Collimators
- Beam Profile Monitors



PS-50 – Precision Slits, 50W

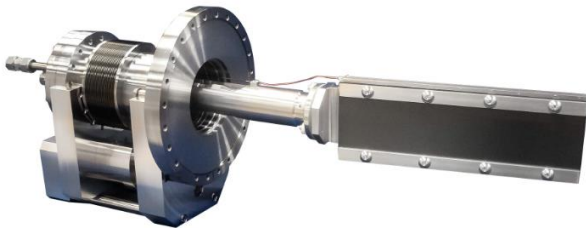
UniBEaM25-D
Dual Axis Probe
(shown with quick
clamp option)



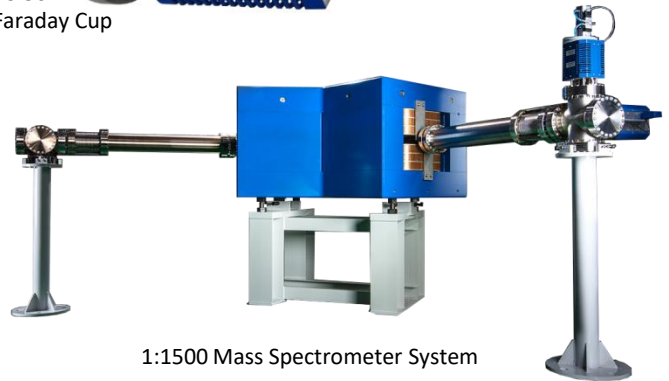
ES-4 Emittance
Scanner



FC-50
Faraday Cup



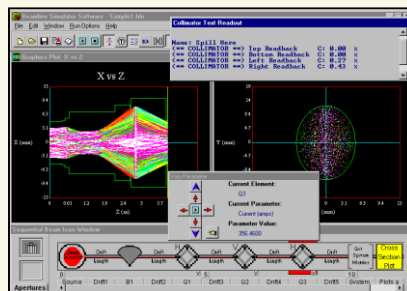
BS-10kW-1 10kW Beam Stop



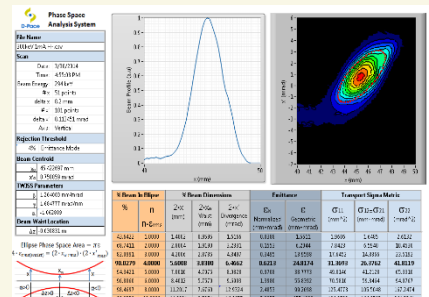
1:1500 Mass Spectrometer System

Software

- Beamline Simulator™ Software. Licensed to AccelSoft Inc. for world-wide marketing & sales rights (www.ghga.com/accelsoft)
- Diagnostic Instrument Software for Emittance & Phase Space Analysis, and other Diagnostic Products



Beamline Simulator™



Phase Space Analysis Software

Other Products and Services

- Ion Optical System Design
- Magnet engineering and manufacture with ion-optical validation
- Custom Vacuum Chambers and Beam Pipes
- Radiation Shields
- Equipment Supports and Alignment Structures



Custom Vacuum Box

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