

Particle Beam Line

Princeton Scientific Corp. supplies products and services to the accelerator scientific community.

Our areas of expertise include beamline systems, beam diagnostic devices for research-, industrial-, and commercial accelerator systems.

We specialize in designing accelerator-related equipment. Our many industry contacts such as scientists & engineers all over the world – support commitment to innovation, quality, and customer satisfaction.

We provide end to end design, engineering and integration solutions to scientists worldwide. Our Faraday Cups, Beam Stoppers, Beam Profile Measurement Systems and UHV Linear and Rotating Feedthroughs are well known within the scientific community.

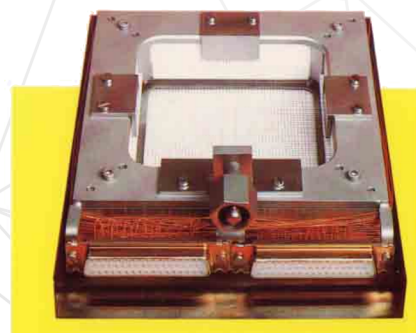
PARTICLE ACCELERATORS

Princeton Scientific Corp. has a huge experience in the field of beam line diagnostics, design, manufacturing & related fields.

We offer almost the complete scope for Beam Diagnostics. Customization is our highlight.

Provide us with your beam parameters, the overall beam environment, etc. and we will come up with a tailored solution. Diagnostic elements like faraday cups (beam stopper or coaxial cups), profile grids, capacitive pick ups like phase probes are all within our scope.

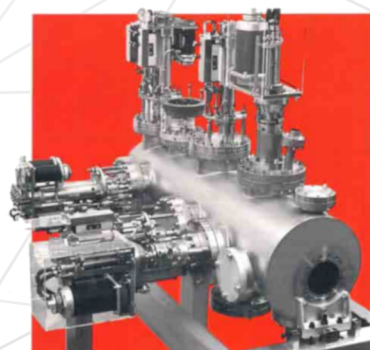
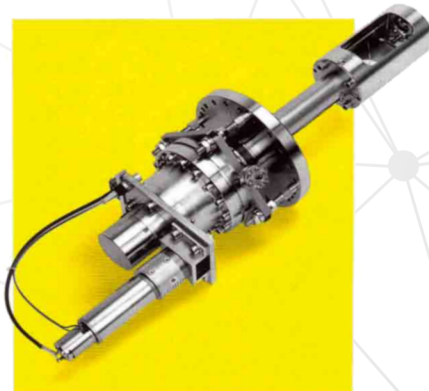
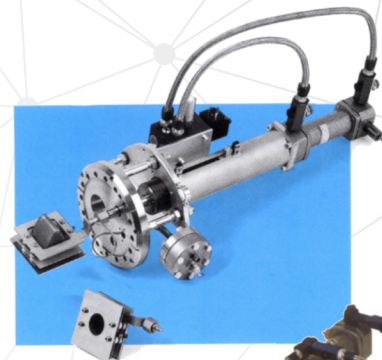
Please ask us for your customized solution.



Beam Profile Measuring System



Beam Stopper combined with
Beam Position Determination



VACUUM TECHNOLOGY

- ▶ UHV Chambers
- ▶ Bi-Metal CF-cubes
- ▶ Bi-Metal Flanges
- ▶ Motion Systems for vacuum applications



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