

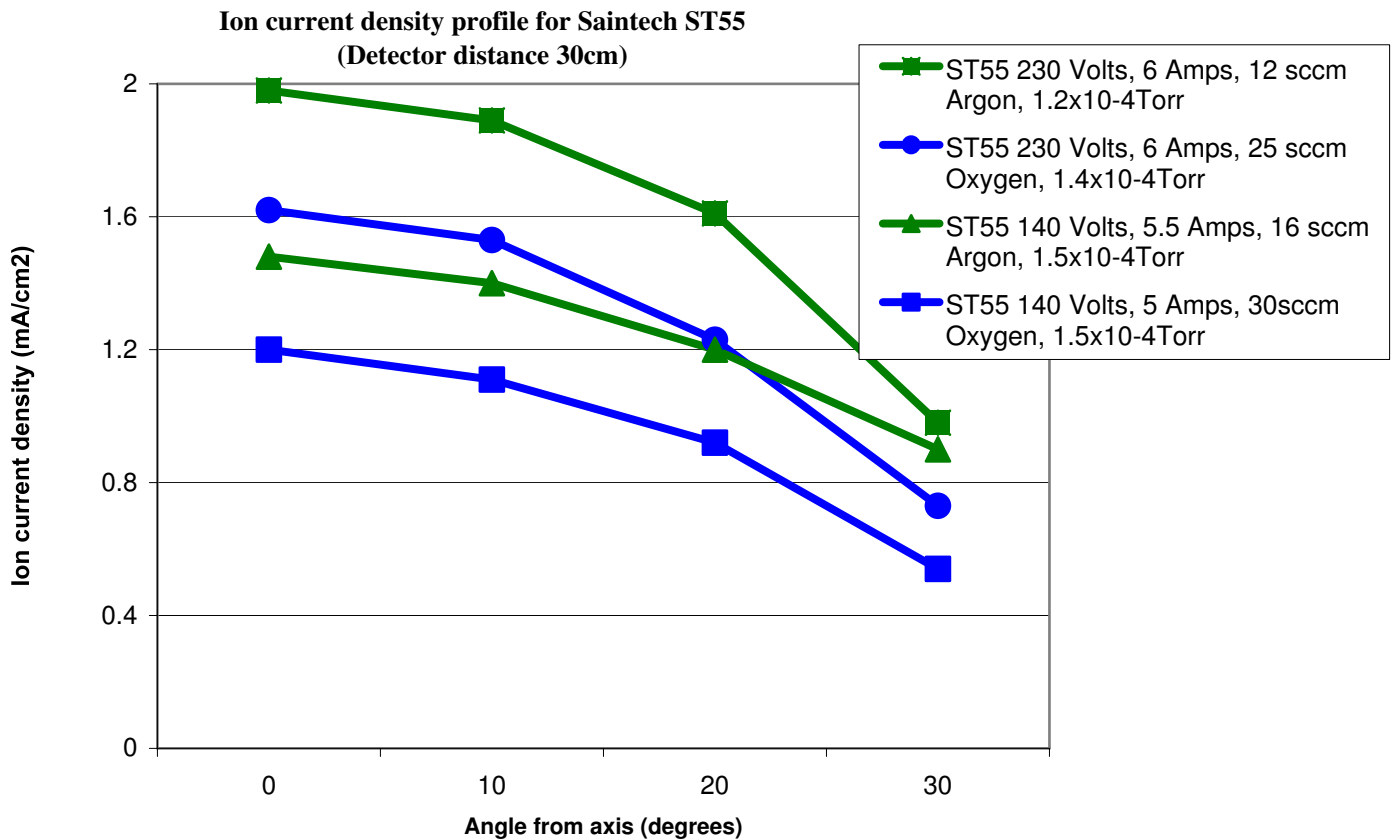


Saintech Ion Beam Systems



ST55 Ion current density profile

The following graph shows the ion current density for the Saintech ST55 Ion Beam System. Data was recorded on axis and at 10°, 20° and 30° from the beam axis using a Faraday cup (Kimball Physics Inc.) having a 1cm² entrance aperture.



The graph shows the following data series :

Maximum power (~1.2kW) for 100% argon

Maximum power (~1.2kW) for 100% oxygen

Comparative data for ST55 for 140 Volts @ 5 Amps (argon)

Comparative data for ST55 for 140 Volts @ 5 Amps (oxygen)