

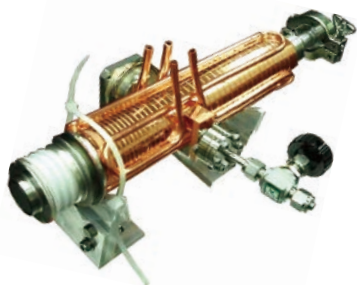
Compact Linear Accelerators

AET offers the most advanced and compact linear accelerator technology.

AET's accelerators are used in Free Electron Lasers, Synchrotron and Compton Scattering Research as well as Radiation Processing, Non-Destructive Testing, Sterilization and Radiation Therapy.

Our engineering team not only provides the best custom designed accelerators but also professional service and support.

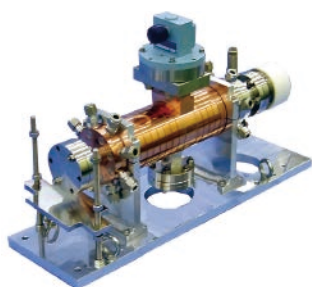
1MeV X-Band Linear Accelerator



Structure	On-Axis Coupled Standing Wave
Material	OFHC
Length	25cm
Frequency	9400MHz
Qo	8,500
Shunt impedance	70MΩ/m
Beam Energy	1MeV@250KW
Beam Current	150mA

To : The University of Tokyo

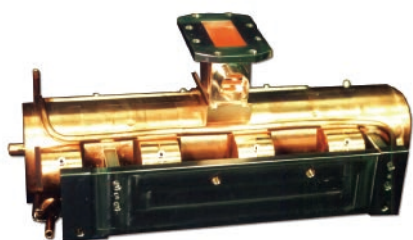
10MeV C-Band Linear Accelerator



Structure	On-Axis Coupled Standing Wave
Material	OFHC
Length	25cm
Frequency	5712±0.1MHz
Qo	13,000
Shunt impedance	80MΩ/m
Beam Energy	10MeV@12MW
Beam Current	100mA

To : AIST

6MeV S-Band Linear Accelerator

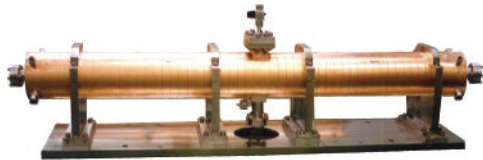


Structure	Side Coupled Standing Wave
Material	OFHC
Length	40cm
Frequency	2856±0.1MHz
Qo	14,500
Shunt impedance	130MΩ/m
Beam Energy	6MeV@2.5MW
Beam Current	100mA

To : Sumitomo Heavy Industries, Ltd.

Compact Linear Accelerators

10MeV C-Band Linear Accelerator



Structure	On-Axis Coupled Standing Wave
Material	OFHC
Length	90cm
Frequency	5712±0.1MHz
Qo	11,000
Shunt impedance	70MΩ/m
Beam Energy	10MeV@4MW
Beam Current	100mA

To : AIST

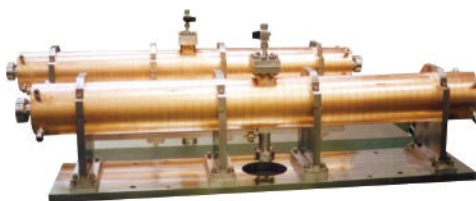
10MeV S-Band Linear Accelerator



Structure	On-Axis Coupled Standing Wave
Material	OFHC
Length	70cm
Frequency	2856±0.5MHz
Qo	14,200
Shunt impedance	60MΩ/m
Beam Energy	10MeV@5MW
Beam Current	150mA

To : Sumitomo Heavy Industries, Ltd.

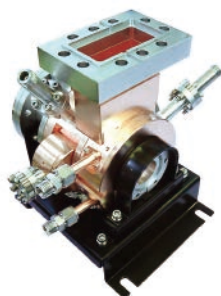
10MeV S-Band Linear Accelerator



Structure	On-Axis Coupled Standing Wave
Material	OFHC
Length	150cm
Frequency	2856±0.1MHz
Qo	14,300
Shunt impedance	70MΩ/m
Beam Energy	10MeV
Beam Current	100mA

To : Sumitomo Heavy Industries, Ltd.

2MeV S-Band Linear Accelerator



Structure	Side Coupled Standing Wave
Material	OFHC
Length	15cm
Frequency	2856MHz
Qo	14,500
Shunt impedance	90MΩ/m
Beam Energy	2MeV@2MW
Beam Current	500mA

To : Argonne National Laboratory