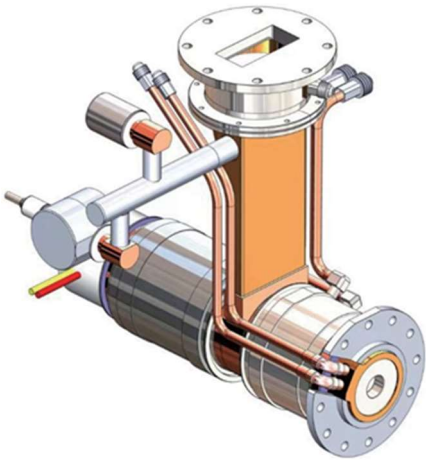


STTube-4/6D/600A-EL is an S-band RF electron linear accelerator tube developed by **ScanTrox**, which adopts standing wave accelerating structure. It has the advantages of compact structure, high dose rate and stable performance, which can be widely used in industrial detection and security inspection. Its compact design presents an innovative solution for space-constrained environments.



Technical Parameters.

Electron Beam Energy	4/6 MeV
Dose Rate@6 MeV	≥300 cGy/min·m
Dose Rate@4 MeV	≥150 cGy/min·m
Dose Rate Stability	≤1%
Operation Frequency	2998±1 MHz
E-Gun Voltage	8-22 kV
Focal Spot Sizes	≤2 mm
Overall Lenght	≤355 mm
Reserved Target Current Measuring Interface . . .	Option

Power/Setting/Size

Magnetron Power.	2.6 MW
Input Power of the Tube.	≥2.3 MW
Pulse Width	2.5-4.2 μ s
Duty Cycle	1.05 %(TYP)
Ion Pump Voltage	3.5-4.5 kV
Cooling Water Temperature	25-40 °C
Filament Current	2.2±0.2 A
Preheating Time.	≥3 min

Mechanical Structure

RF Window Flange.	FAP 32(TYP)
Mounting Flange	Customized

Dimensions (mm):

