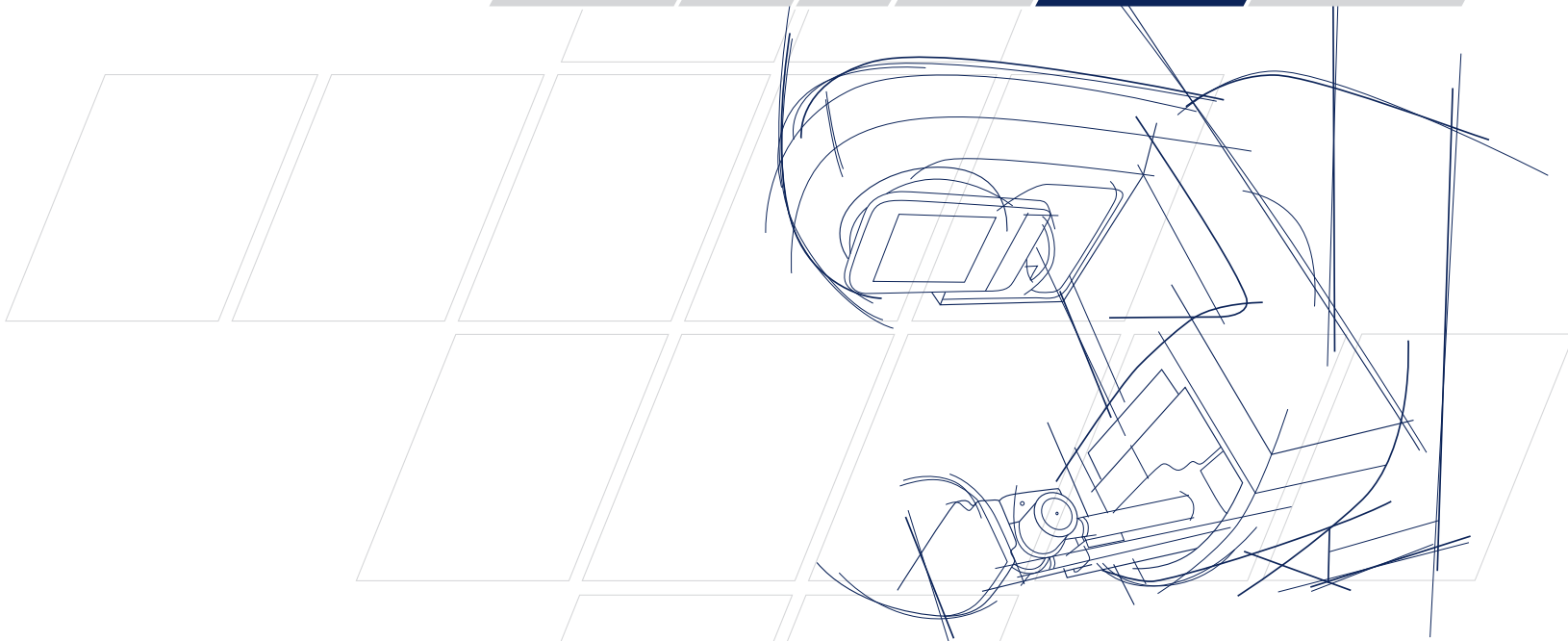




# Magnetrons

CIVIL AEROSPACE / DEFENCE / SPACE / INDUSTRIAL / **MEDICAL & SCIENCE** / SECURITY & RESCUE



## Quality, reliability and technical innovation for the radiotherapy industry

e2v offers quality products that are backed by excellent after-sales service and support. By investing in continuous developments and working closely with its customers, e2v serves both today's and tomorrow's demanding radiotherapy requirements.

### Key features:

- Optimised technical designs and solutions to address customer requirements
- 60-years' of experience in magnetron development
- Range from 2MW to 7.5MW
- Enhanced operational performance
- High peak power and mean power
- High reliability and long life



# Magnetrons

e2v has over 60-years' of experience in RF and high voltage component manufacture, system design and development across many different market sectors. e2v offers a choice of magnetrons that deliver from 2MW to 7.5MW of microwave power into linear accelerators for a range of applications.

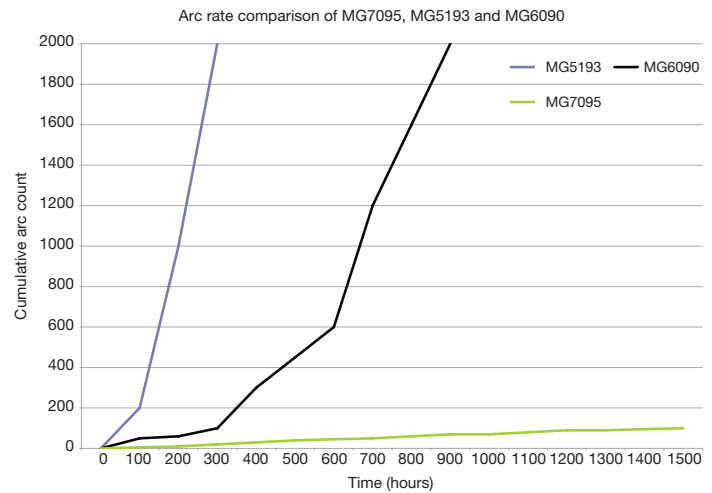
Our magnetrons are designed specifically to work with both line type modulators and e2v's solid state modulators and are supplied into radiotherapy systems worldwide.

## S band magnetron







e2v has developed a new 3.1MW S-band magnetron (MG7095) with higher power capability. The improved internal structure is designed to enhance operation performance and longer life.

Key features:

- An internal structure designed to enhance operational performance
- Form/fit replacement for the MG5193 with higher peak and average power
- Lower background arc rate than the MG5193 and MG6090



## Magnetron Product Matrix

PART NO.	FREQUENCY (MHZ)	PEAK POWER (KW)	ACCESSORIES
 MG7095	2993 – 3002	3100	MG6062, M4152S, MA4195
 MG5125	2993 – 3002	2000	MG6062, M4152S, MA4195
 MG5193	2993 – 3002	2600	MG6062, M4152S, MA4195
 MG6028	2852 – 2861	5500	MG6030, MG6016, MA997A
 MG6090	2993 – 3002	3100	MG6053, MA6191/MA6291
 MG8076*	2998 – +/-5	7500	Electromagnet*

\* In development

