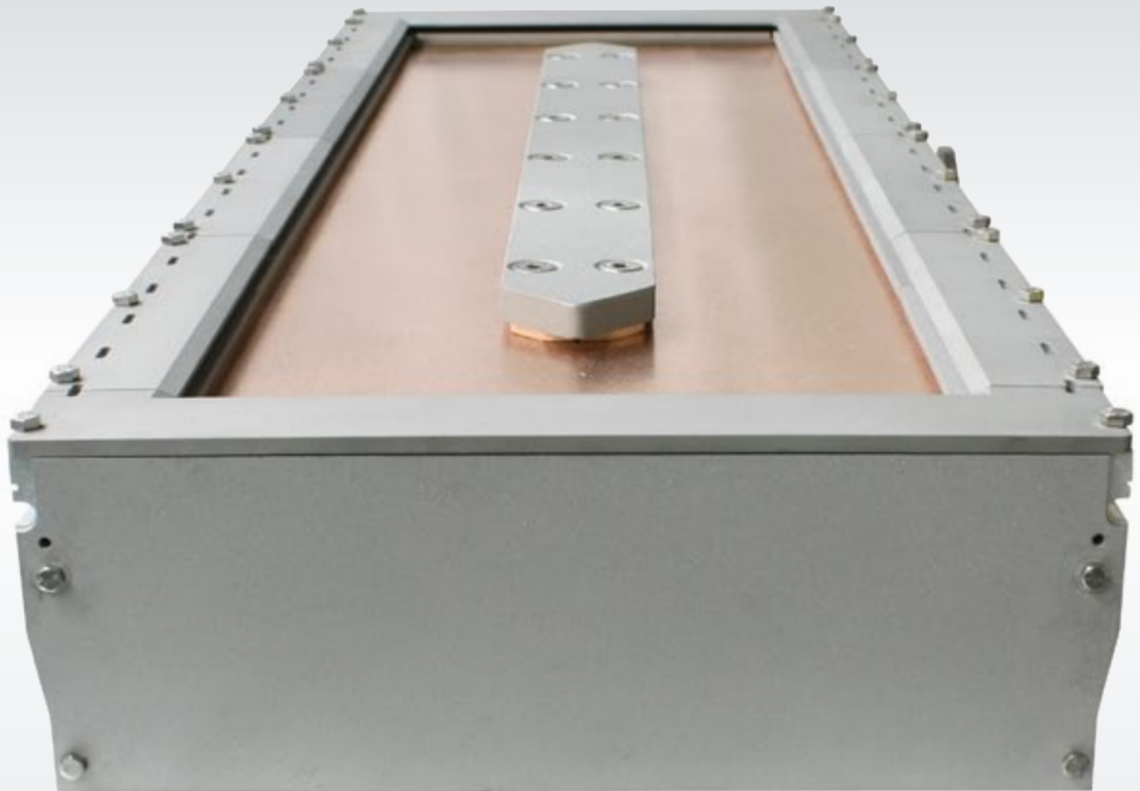


perfect your process

Genco rectangular magnetron

Rectangular magnetrons with the industry's highest performance.
By Genco.



Innovative
rectangular magnetron

products. process. support

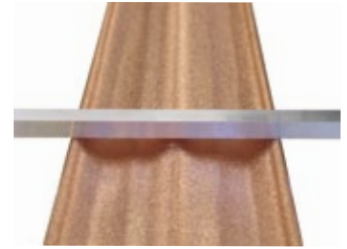


Rectangular magnetrons

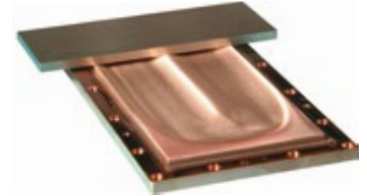
Gencoa planar rectangular magnetron fields combine robust design and the best plasma control to produce the best performance in the industry. Particular attention is given to ensuring long-life and trouble-free operation, with the optimized magnetic fields providing the best possible target use and target cleanliness. Power options of DC, pulsed-DC, DC/RF and RF are all available with Gencoa's standard rectangular magnetron electrical insulation design.

Product features

- High performance magnet arrays, each one mapped and stable over lifetime backed up with a 10 year warranty (terms apply)
- Effective water cooling systems to ensure heat is transferred and magnetron can operate at high power
- Uniform and flexible gas distribution to help optimize the process and improve uniformity of sputtered layer



Used target (metalizer magnetics)



Used target (high yield magnetics)



Rectangular Vtech



Rectangular magnetron with centre target clamp



Externally-mounted rectangular magnetron

Mounting size and mounting options

Standard target widths are shown in the table below, along with the magnetic options that can accompany each size. Target lengths vary in 50mm increments. The mounting options available are as follows:

- Externally mounted with a single or double cathode configuration
- Single and double internal cantilever mounted
- Angled dual internal cantilever

Magnetic options

| Target width (mm) | 50 | 65 | 75 | 100 | 125 | 150 | 200 | 250 | 300 | Typical target use |
|--------------------|----|----|----|-----|-----|-----|-----|-----|-----|--------------------|
| Balanced (SW) | • | | • | • | • | • | • | • | • | 25-30% |
| Unbalanced (PP) | | • | • | • | • | • | • | | | 25-30% |
| High Yield (HY) | | | | • | • | • | • | • | • | 40-50% |
| LOOP | | | | • | • | | | | | 25-40% |
| Metallizer (MZ) | | | | • | • | • | • | • | • | 50-60% |
| High Strength (HS) | | | • | • | • | | | | | 18-22% |
| RF HY | | | | • | • | • | | | | 35-45% |
| FFE | | | | | • | • | • | • | • | 40-60% |
| VTech | | | • | • | • | • | | | | 25-40% |



Above: Angled dual internal cantilever

Below: web coating configuration involving multiple rectangular magnetrons

