



Genco: perfect your process

Genco Rotatable System



GRS-C

Genco Rotatable System. With cantilever support.

Introducing the GRS-C, a cantilever mounted compact rotatable magnetron by Genco, and the latest addition to the GRS family of products. The GRS-C features high power capacity and water flow, excellent end-block vacuum integrity and has an auto-drain feature for easy target change.



Gencoia Rotatable System

Introducing the GRS-C.

GRS-C is the latest addition to the Gencoia's family of rotatable magnetrons. Its unique design addresses the key points in reliable sputter process delivery with excellent results.

The ultra-compact size of the GRS-C allows easy retrofitting into the chamber as a single, dual or multi-source array. Despite its compact size, the GRS-C can be assembled with targets of over 1.5m and is vibration-proof and robust.

Its cooling and power capacity matches the largest cantilever-style rotatable magnetrons on the market.

Key features

- Current capacity of up to 250A (maximum achievable power is dependent on target material)
- Rotating seal leak detection point
- Quick and easy seal change
- Excellent vacuum integrity (1x10⁻⁹ mBar l/s He leak rate)
- High water flow (60-100 litres/min)
- Encoder protection for belt failure
- Motor position options to accommodate any system design
- Wide range of magnetic array options
- Auto-drain feature for easy target change
- Double screw and double o-ring sealed target clamping

GRS-C specifications

Target (OD)	75mm 90mm 105mm 152mm
Target length	>1.5m with cantilever support (subject to target weight)
Power connection types	AC DC HIPIMS RF
Motor drives	Brushless DC with RS-485 driver and controller (customer-specified optional)

GRS-C magnetic options/applications

Low strength (LS)	CVD, high frequency
Standard strength (SSF)	General sputtering
High strength (HS)	Low voltage, high power
Unbalanced ion assist processes (PP)	Hard coatings
Double cathode low impedance magnetics (DLIM)	AC reactive
Active anode (AA)	Low temperature, low voltage, pulsed DC, reactive oxides
HS + AA	ITO

