

Cressington **208carbon** specification

High vacuum carbon coater

Chamber size	150mm Ø (5.9") Variable height, 165mm - 250mm (6.5" - 9.8")
Evaporation source	Bradley type (6.15mm Ø rods) Heavy duty stainless steel construction
Evaporation supply	Microprocessor based Feedback loop controlled with remote current/voltage sensing Safety interlocked Variable, 135A max. with over-current protection
Sample stage	Static table holds 12 SEM ½" stubs Height adjustment through 60mm Optional rotary-planetary-tilt stage (view photo)
Analogue metering	Vacuum, dual range Atm - 0.001mb 1x10 ⁻³ mb - 5x10 ⁻⁶ mb Current, 0- 200A
Control method	Automatic evaporation control using programmed voltage and timer Full manual override with pulsed or continuous operation Digital timer, 1 - 30 seconds Digital voltage setting, 0.1 - 5.5V Automatic vent
Thickness monitoring	Optional, MTM-10 only
Pumping system	
Configuration	Turbo/rotary pump combination
Pumping speed	80 litres/sec
Pumpdown time	1.5 min. to 1x10 ⁻⁴ mb
Ultimate pressure	5x10 ⁻⁶ mb
Desktop system	Rotary pump is mounted on desktop compatible anti-vibration table All metal vacuum coupling system

Thickness monitor

MTM-10	Microprocessor based 4 digit display with push button zero 5 times/sec. display update rate 6 MHz crystal with life-time check
Thickness range	0 - 999.9nm
Resolution	Better than 0.1nm
Density range	0.50 - 30.00gm/cm ³
Tooling factor range	0.25 - 8.00

Services required

Supply	100 - 120 or 200 - 240 VAC, 50/60Hz (specify on order)
Power	1200 VA max.

System dimensions

Size	Width 600mm (23.6"), Depth 600mm (23.6"), Height 360mm (14.2")
Weight	45Kg (99.5 lbs)

Source: https://www.cressington.com/spec_208c.html

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