

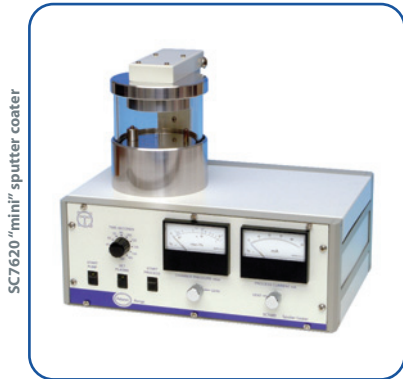


SC7620 Low Cost 'Mini' Sputter Coater

110mm chamber for non-oxidising metals - suitable for SEM (not FE-SEM)



compact, entry level sputter coater



SC7620 "mini" sputter coater

SC7620 "Mini" Sputter Coater

The SC7620 is a compact low cost sputter coater, suitable for SEM and other applications. When combined with the optional carbon attachment CA7625F (see below) it makes the ideal low cost SEM sputtering and carbon evaporation package. The SC7620 has a 110mm diameter chamber and is suitable for use with standard (tungsten filament) SEMs.

The SC7620 will sputter non-oxidising metals (such as Au, Pt, etc.) and is fitted as standard with an Au/Pd sputtering target. A typical cycle time for sputter coating SEM samples with a conductive coating (5-15nm) of gold or gold/palladium will be less than three minutes. The SC7620 gives an even coating of approximately 60mm radius.

Key Features & Benefits

- Compact and low cost - ideal entry level sputter coater
- Simple manual operation - easy to set up, easy to operate
- Magnetic deflection head - ensures cool sputtering conditions
- Carbon fibre evaporation option - metal sputtering & carbon coating in one system
- Analogue controls for vacuum, current and time - "at a glance" the user can see all the important operating parameters
- Adjustable 93mm diameter stage

Pumping

Requires a 50L/min rotary pump with oil mist filter (see E5005F).

Options

CA7625F Carbon Coating Attachment

The CA7625F consists of an evaporation power supply and carbon fibre evaporation head. To run the attachment the sputtering head is hinged back and replaced with the carbon fibre head, fitted with a source shutter to protect samples during "out-gassing". Connection is then made to the power supply. An important safety feature is the positive-break mechanical interlock which ensures electrical isolation of the sputtering head (vacuum interlock also included).

SEM-Basic-1

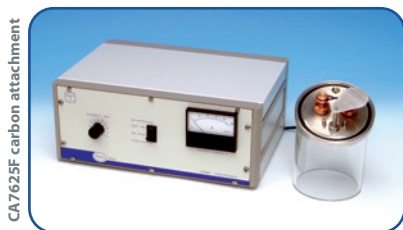
Starter kit (includes: sample mounting stubs, boxes, mounting media and tweezers).

SC7620-2YRSPR - Spares kit for two year operation.

See: www.quorumtech.com for full technical specification and additional details.



SC7620 sputtering stage and head



CA7625F carbon attachment

PRODUCT SPECIFICATIONS

Supplied with	SC502-314B Au/Pd target, 1m x 12mm bore vacuum hose, fittings for pump, operating manual
Targets	Disc type: 57mm x 0.1mm thick (0.2mm thick targets also available)
Additional targets	Please see the "Sputtering Target" table at the rear of this catalogue
Vacuum requirements	50L/min rotary vacuum pump including oil mist filter (E5005F). Range: to 10 ⁻² mbar
Specimen stage	Height adjustable 93mm diameter stage with seven holes for pin stubs (flat stubs can also be accommodated)
Carbon coating option	Carbon fibre power supply unit (PSU) with interchangeable head and supplied with 1m of high purity carbon fibre. PSU dimensions 340 x 355 x 375mm, weight: 4Kg. Power rating is 1KVA
Weight & dimensions	340mm W x 320mm D x 310mm H (including chamber and sputtering head). Weight: 14Kg
Timer	To 180 seconds in 15 second increments

