



BT150

Chamber:

Glass cylinder 165mm diameter x 150mm tall with PET implosion guard. Option for 200mm tall chamber

Rotary pump:

12m³ two-stage rotary pump.

Turbo pump option:

62l/s compound turbo molecular pump with on-board controller

Ultimate vacuum (rotary pump only):

5x10⁻²mbar in <3 minutes

Ultimate vacuum (with turbo pump):

5x10⁻⁶mbar in <8 minutes

Power input:

110-230V, 60/50Hz, single phase

Process accessories

Metals sputtering:

Single magnetron source for 54mm diameter target

Available targets:

Au, Au/Pd, Cu, Fe

Sputter options:

Sputters oxidising metals (Aluminium) where turbo pump option specified

Carbon fibre evaporation:

Pulse deposition with selectable current and degas mode

Carbon rod evaporation:

Pulse deposition with selectable current and degas mode

Water cooled SEM stage:

Water cooled with bias function for 6 stubs

Rotary and planetary SEM stages:

Rotary stage for 6 stubs, planetary stage for 6 stubs

Rotary stage for R&D:

Rotary stage for substrates up to 100mm diameter

BT300 Chamber:

Glass cylinder 300mm diameter x 150mm tall with PET implosion guard. Option for 200mm tall chamber

Rotary pump:

12m³ two-stage rotary pump.

Turbo pump option:

62l/s compound turbomolecular pump with on-board controller

Ultimate vacuum (rotary pump only):

5x10⁻²mbar in <not known minutes

Ultimate vacuum (with turbo pump):

5x10⁻⁵mbar in <not known minutes

Power input:

110-230V, 60/50Hz, single phase

Process accessories

Metals sputtering:

Single, or dual, or triple magnetron source for 54mm diameter targets

Available targets:

Au, Au/Pd, Cu, Fe

Sputter options:

Sputters oxidising metals (Aluminium) where turbo pump option specified

Rotary stage for R&D:

Rotary stage for substrates up to 100mm diameter (dual target), 150mm (triple target)

Planetary stage for R&D:

Planetary stage for uniformity on substrates up to 200mm diameter (triple target)