

Coatings

Coating Centre



CASTECH has 30 sets of advanced chambers with advanced IBS, IAD, E-Beam & MS coating techniques. Various HR, AR, PR & Metallic coatings with an optimum of coating performance and high laser damage threshold in full spectrum are designed and manufactured.

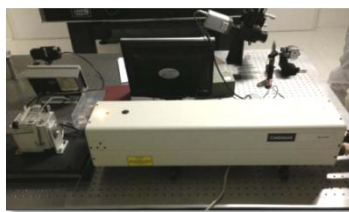
Coating Technology	Coater	Qty
MS	China	3
IBS	Veeco	7
IBS	Gilitek	1
IAD	Veeco	1
IAD	Leybold	4
IAD	Oporun	7
IAD	Shincron	3
E-Beam	China	4

Metrology

CASTECH equips with a wide variety of metrology equipment to guarantee the coating specification, including Cavity-Ring-Down Loss Meter, Agilent Cary-5000, Agilent Cary-6000i, Agilent Cary-7000, Perkin Elmer Lambda-950, Spectrum 100FTIR and absorption measurement(PCI). For high laser damage threshold products, we have set up LDT measurement at multiple wavelengths. Every coating batch is tested to confirm your high-performance reflectivity values.



Surface absorption testing by PCI
(355nm,532nm,1064nm)



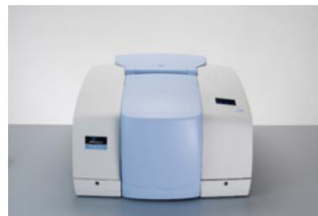
LDT Testing(266nm,355nm,
532nm, 1064nm)



Reliability experimental
equipment



Perkin Elmer Lambda-950
for 175-3300nm spectral region



Spectrum 100FTIR
for 2500-20000nm
spectral region



Agilent Cary-7000 (2sets)
for 175-3300nm spectral
region