

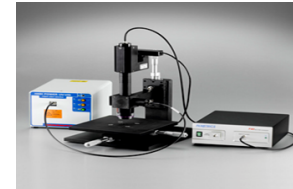
System Comparison



Abbe reflectometer



Ellipsometer



Spectroscopic Refractometer



Prism Coupler

PRICE		Low	High	Middle	Middle
INDEX ACCURACY		0.001	0.00001	N.A	0.001 to 0.0001(*depending on conditions)
INDEX RESOLUTION		0.001	0.00005	N.A	0.0005
THICKNESS ACCURACY		N.A	>0.25%	>0.5%	>0.5%
THICKNESS RESOLUTION		N.A	0.1nm	0.1nm	0.01um
THICKNESS RANGE		N.A	0nm ~ 30um	2nm~50um	1um~30um
OPTION	Wavelength laser	Each wavelength	250 ~ 1100nm	250 ~ 1100nm	Each Wavelength
	Thermo optic coefficient (dn/dT)	Available	N.A	N.A	Available
	Birefringence	N.A	Available	N.A	Available
	Loss	N.A	N.A	N.A	Available
	High Index	N.A	Available	N.A	Available
FEATURE		It can measure only refractive index of liquid & thin film	Very powerful system for measuring thickness but complicated analysis is required, very expensive	Basically it's an Ellipsometer that cannot measure refractive index.	Very powerful and simple system for measuring refractive index. However, system with full options can be costly.