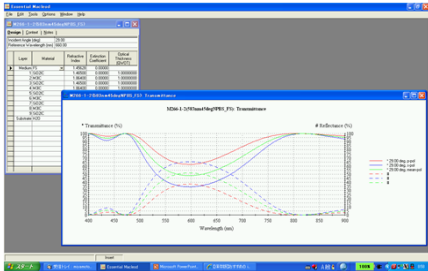
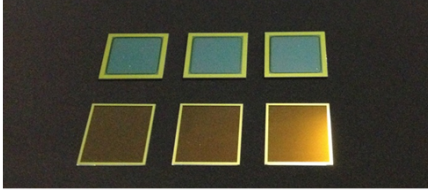

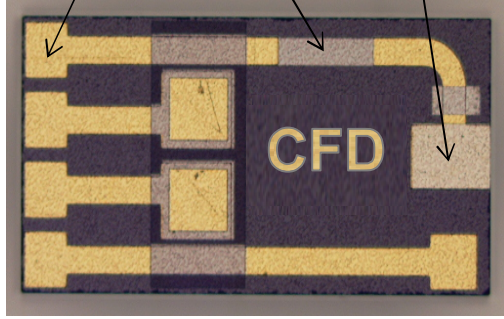


Our thin-film products are used for various fields.

Optical thin-film ... High power LED package , Optical inspection apparatus , etc

Function thin-film ... Medical analysis equipment , MEMS ,etc

Metallization ... Submount for LD and LED package, etc

Technology	Method	Items	Characteristic	Example
Optical thin-film	VACUUM VAPOR DEPOSITION	Anti-Reflection Mirror IR-cut filter PBS Absorbing film etc	High elaborate dielectric thin-film Combination dielectric film and the metal film	 <p>Optical design simulation</p>  <p>Optical thin-film + Metallization patterning</p>
Function thin-film	VACUUM VAPOR DEPOSITION	Water repellent film Hydrophilic film	Changeable at any contact angle	 <p>60deg. 90deg. 120deg.</p> <p>Contact angle measurement</p>
	VACUUM VAPOR DEPOSITION CVD	Insulator film	High breakdown voltage	
Metallization	VACUUM VAPOR DEPOSITION SPUTTERING	Conducting film Ti, Cr, Ni, Pt, Au etc.	Line/Space Minimum 5 μ m/5 μ m	 <p>Conducting film Resistive film Solder</p> <p>CFD</p>
		Solder film AuSn	Melt at 300°C or less instantly Thickness Maximum 5 μ m Composition ±3wt% (Changeable in unit of percentage)	
		Resistive film TaNx	TCR Less than 100ppm/°C Resistance value ±10% (Minimum ±1 Ω)	