



COATING CAPABILITY & HIGH-PRECISION FILTERS

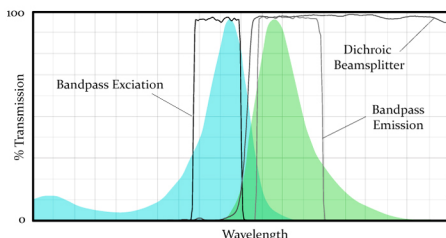
GENERAL INFO

Part of our wide choice of quality products are various high-end optical filters. Utilizing the advanced Helios Coating machines and technology makes us to one of the biggest suppliers for optical filters in Asia.

Typical Accuracy:

Category	cut-off filter,band pass filter,notch filter,neutral filter
Substrate material	Common glass,colored glass,fused silica,sapphire
Max diameter	200mm
Min band width	5nm
Wavelength accuracy	±0.5% central wavelength
Transmission @ pass band	95%
Block depth	> OD6
Transition band steepness	2% central wavelength

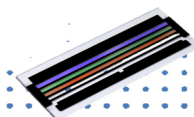
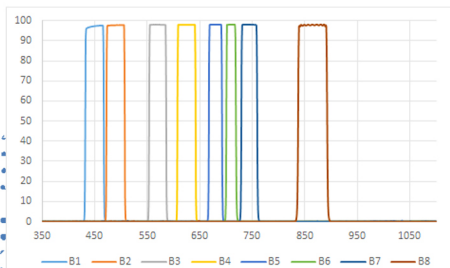
Fluorescence Imaging Filter Series:



- High transmission at pass band and OD at block band
- High spectral isolation by nearly rectangular pass band
- High durability for high output lamps, lasers & LEDs
- ROHS compliant

Multiband(spectral) Filter Series:

- High transmission at pass band and OD at block band
- High S/N and spectral isolation by nearly rectangular pass band
- Bandpass or notch filter
- High stability without fading or aging



Besides/ Alongside that we are offering various other filter types and series, such as: cut-off filter, band pass filter, notch filter, neutral filters etc. – made from various materials: Common glass, colored glass, fused silica, sapphire.

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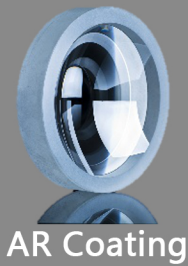
With both evaporation and sputtering coating chamber, we can flexibly use the appropriate material and process to achieve the very need of the customer

RF Ion Beam Source is the most powerful ion beam source, which make the micro-structure of the coating more compact, then guarantee the zero shift of the coating curve, especially in the case of narrow band pass filter.



Oil free vacuum system avoid the surface or coating contaminated by oil, then significantly improved the durability of the coating and lower down the absorption, especially in UV coating.

Big substrate coating: Equipped with $\Phi 1900\text{mm}$ coating chamber, we can coat substrate with diameter up to $\Phi 1600\text{ mm}$, which is widely used in aerospace and astronomical observation field.

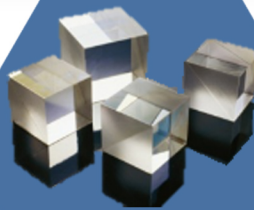


AR Coating

- DUV-UV-VIS-NIR
- IR-FIR 0.180um-14um;
- Single Point AR
- Broad Band AR
- Dual Band AR
- High Efficiency AR
- High Durability AR
- High Laser Threshold AR

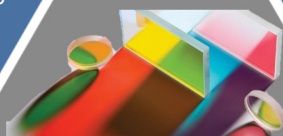
Others

- Hydrophobic Coating
- Anti-Fog Coating



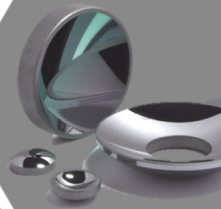
Beam splitter

- Metal-Dielectric Beam Splitter, Dielectric Beam Splitter
- Non-Polarization Beam Splitter
- Polarization Beam Splitter



High Precision Optical Filters

- DUV-UV-VIS-NIR-IR-FIR Filter
- Edge Filter
- Broad Band Pass Filter
- Narrow Band Pass Filter
- Dual Band Pass Filter
- Notch Filter
- Neutral Density Filter
- Modified Filter
- Gradual Filter



HR Coating

- Metal, Dielectric HR coating
- DUV-UV-VIS-NIR-IR-FIR 0.180um-14um;
- Coating Diameter up to 1600mm
- Single Point HR
- High Laser Threshold HR



ITO coating

- Resistance 80-400 Ω /
□ with T>95%
- Electrode Coating

COATING TYPES

ML OPTIC CAN PROVIDE THE COMMON OPTICAL COATING TYPES ALONGSIDE CUSTOMIZED COATING TO ALL KINDS OF GLASS, IR CRYSTAL AND METAL SUBSTRATES.