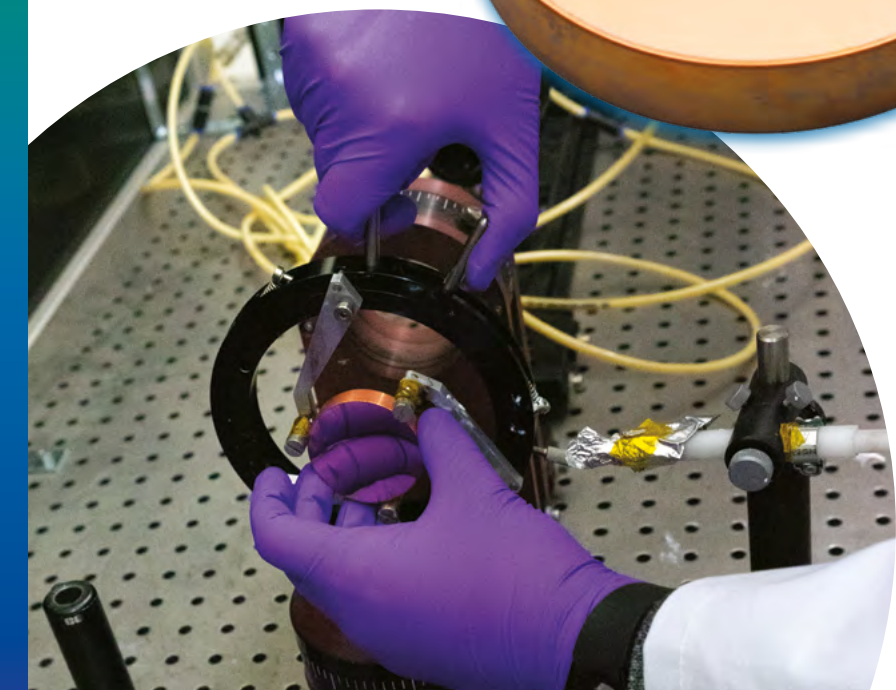


# CO<sub>2</sub> Laser Coatings

Our high power CO<sub>2</sub> laser coatings are capable of meeting demanding laser damage thresholds. We design and develop coatings that deliver ultra-high reflection with low absorption at the 10.6µm and 9.3µm wavebands, including laser alignment coating wavebands:

- ✓ Phase retarders
- ✓ Mirrors
- ✓ Partial reflectors
- ✓ Brewster polarisers



# Prototype Design Service

We support innovation and R&D projects by offering a prototype design service to deliver proof-of-concept samples and first article inspection reports for new product development.



Contact us to discuss your  
IR Filter & Coating applications

**Umicore Coating Services Ltd**  
Kinnoull Street  
Dundee  
DD2 3ED  
United Kingdom

**Tel:** +44 (0)1382 833022  
**Email:** [coatingservices@umicore.com](mailto:coatingservices@umicore.com)  
**Web:** [eom.umicore.com/infrared-solutions](http://eom.umicore.com/infrared-solutions)



# Discover

Infrared Filters & Coatings by  
**Umicore Coating Services**



# Umicore Coating Services

Umicore Coating Services is a leading supplier of infrared precision optical filters and coatings. With over 35 years' experience in thin-film design and manufacture, we develop custom solutions for low-volume prototyping to full production scale-up of the most demanding optical coating applications.

Utilising the latest thin film analysis and design software, Umicore Coating Services delivers industry leading spectral and environmental performance of IR Filter and Coating requirements.



## Your Trusted Partner



We work closely with our customers through a consultative approach to develop custom IR designs that balance performance reliability with production efficiency.

# Optical Filters

We supply a range of bandpass optical filters ideally suited to environmental/gas detection and analysis applications. With a centre wavelength anywhere on the NIR to FIR spectrum with steep-edge and deep blocking capability, Umicore can offer:

- ✓ Narrow/wide/dual bandpass
- ✓ Short/long wavepass
- ✓ Notch
- ✓ Dichroic beamsplitters
- ✓ Circular variable filters
- ✓ Complete filter wheel assemblies
- ✓ Custom and stock filters



# Thermal Imaging

We design complex spectral coatings suitable for the most demanding thermal imaging applications on a range of substrates. Choose from either our standard 3-5 $\mu$ m or 8-12 $\mu$ m designs, or have tailor made designs to your specific application requirements.

- ✓ High Efficiency Anti-Reflection (HEAR)
- ✓ High Durability Anti-Reflection (HDAR)
- ✓ Diamond-Like Carbon (DLC)

