

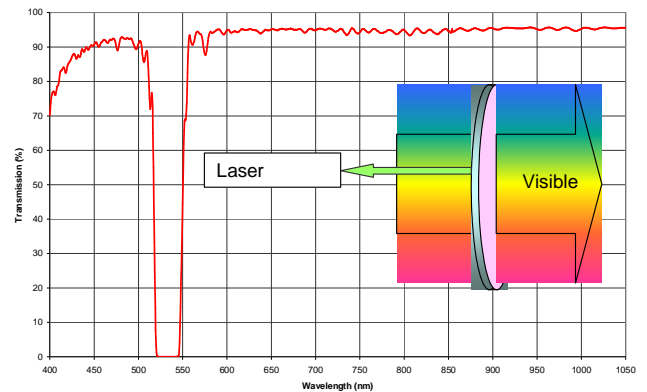
**AJ Thin Films Consultancy Ltd is pleased to support Wordentec Ltd by providing optical thin film designs and processes.**

## Thin Film Design and Processes

Optical thin films play a vital role where light is manipulated. Thin films are used to create optical coatings in such diverse applications from low emissive coatings in architectural glass to anti-reflection coatings on spectacles, from lasers in surgery and dentistry, to avionic military and commercial Head-up Displays. Thin film technology has transformed the way we communicate through fibre optics and the way we see the world. Even the technology of antireflection coatings for spectacles is the result of many years design and development.

AJ Thin Films is a company specialising in the design and development of thin film processes for organisations where optical coatings are of strategic importance. John Allen, Director of Technology, has many years experience in all aspects of the thin film industry, from thin film design and process development, through to production manufacture and coating facility management. The company provides solutions for clients, targeting the high precision thin film market.

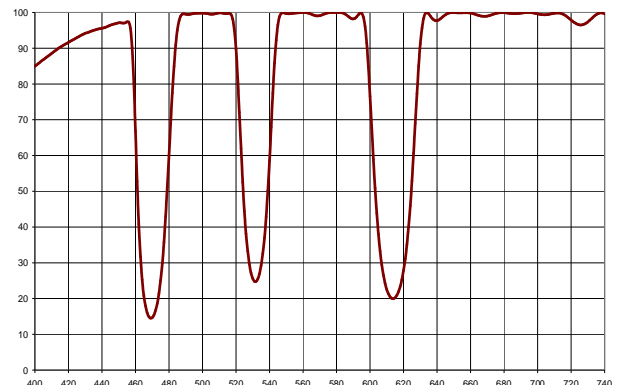
Laser rejection coating for 532nm



Particular areas of expertise include:

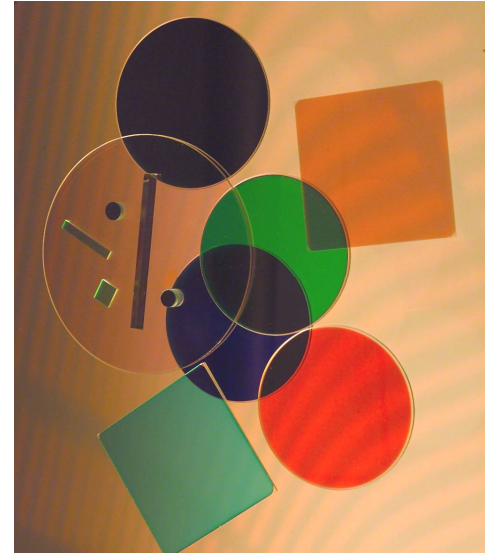
- Rugate filters
- Coatings for Head-up displays
- Graded combiner coatings
- Laser protection filters
- Multiple notch filters
- Dichroic and trichroic filters
- Coatings for laser surgery
- Non-polarising beam splitters
- Multiple band antireflection coatings
- Colour balanced filters

Triple notch rugate combiner spectrum

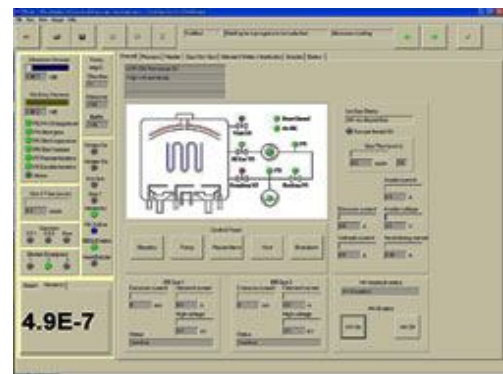


Services offered include:

- Thin film coating design for customers applications
- Process development and integration into existing coating systems
- Optimisation of processes to improve performance, reliability and reproducibility to increase yield
- On site training of customers personnel
- Working with clients to establish their requirements for thin films
- Assistance in specifying coating



**Designs and processes can be adapted for use with Wordentec coating systems, the process being integrated into Wordentec WAVE control system, thereby providing a fully automated deposition process.**



For more information contact Wordentec or visit [www.ajthinfilms.com](http://www.ajthinfilms.com)