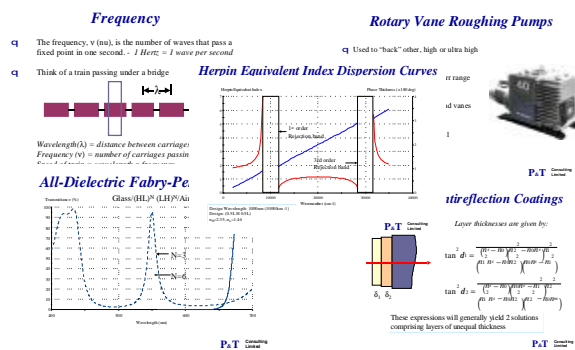


Training Courses

P&T Consulting offers both introductory level and more advanced training courses in the design and manufacture of optical thin film coatings. These may be customised to specific requirements and are delivered at the client's facility.



INTRODUCTORY COURSE

Principles of Light

- Basic Concepts
- Electromagnetic Radiation
- Interaction of Light with Materials

What is a Thin Film?

- Types of Coating
- Substrates and Coating Materials
- How Coatings Work

How are Coatings Produced?

- Coating Technologies
- Creating and Measuring a Vacuum
- Evaporation Sources
- Control of Layer Thicknesses

Control of Coating Processes

- Sources of Process Variability
- Process Improvement Tools

DESIGN COURSE

Coating Design 1

- Thick Plates and Thin Films
- Effective Indices
- Graphical Design Techniques

Coating Design 2

- Matrix Representation
- Herpin Equivalent Indices
- Antireflection Coatings

Coating Design 3

- Metallic Mirrors
- Edge Filters and Polarisers
- Angle Effects

Coating Design 4

- Fabry-Perot Filters
- Square Bandpass Filters
- Non-Polarising Edge Filters

How to Contact Us ...

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