



Microsharp Manufacturing

Light Management Technology

Microsharp offers bespoke manufacturing facilities operating to ISO 9001 : 2000 standard in Class 100 and 1000 clean rooms. We are a company that believes in demand-based flow manufacturing practices with products that undergo rigorous design and process studies prior to approval for production. Quality assurance is based on statistical best practice operating to tough standards for civilian as well as military markets with customers that include flagship names such as Olympus, Siemens, British Aerospace, Bayer, IBM, Honeywell and Seiko.

Our manufacturing expertise includes UV curing of polymer thin films, polymer blending and coating using spray, blade and slot die techniques as well as etching, physical vapour deposition, micro-replication and laminations to tight tolerances.

Our analytical services utilise state-of-the-art instrumentation with expertise in techniques such as optical and scanning electron microscopy, Fourier transform infra-red spectrophotometry, proton and carbon NMR, gas chromatography-mass spectrometry, gel permeation chromatography and rheometry. Additionally, a full range of optical characterisation methods are available including an Eldim Conoscope for angular light dispersion measurements, a Zygo interferometer for 3D surface profiling, equipment for diffraction efficiency and contrast ratio measurements, a Haze Guard, a visible spectrophotometer for measuring colour response of thin films and a Goniophotometer for measuring angle of view. In-line process and quality control is performed using automated optical inspection systems.



www.microsharp.co.uk

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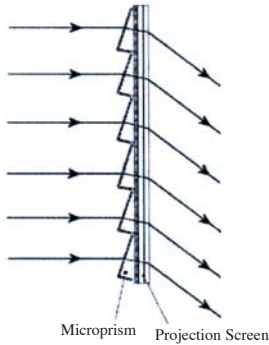
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Microsharp Manufacturing

Product Information

Applications



**Projection
Screen**



Head Mounted Display

- **Projection Display Systems**
- **Mobile Displays**
- **Automotive Displays**
- **Avionics Displays**
- **Medical Instrumentation**
- **Head Mounted Displays**

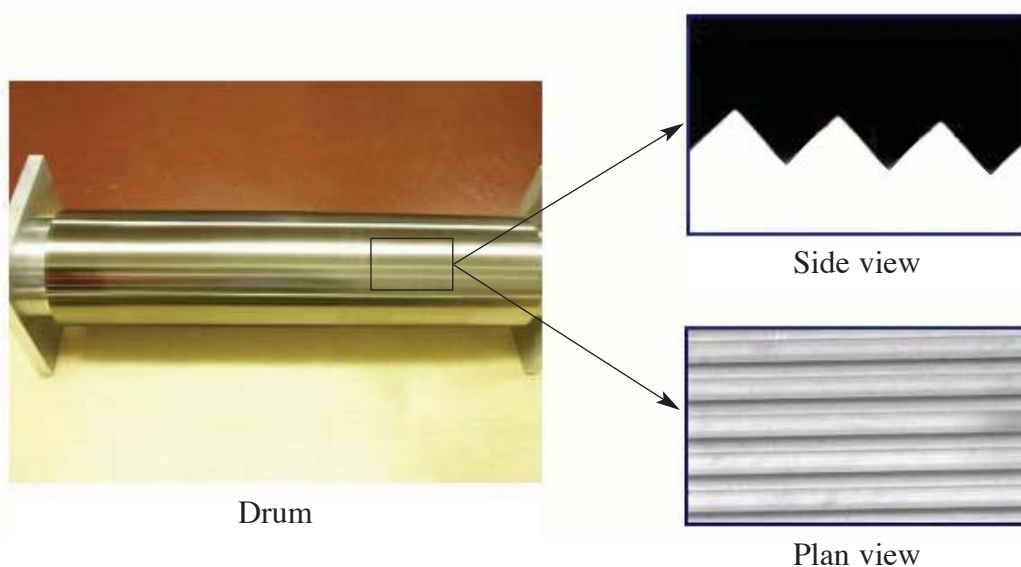


Figure: Microsharp prism manufacturing technology