



Trackwise

leading manufacturer of antenna printed circuits

continues to Invest, Innovate and Improve

Trackwise invest in Automatic Optical Inspection (AOI)

In line with their technology roadmap, Trackwise have acquired and commissioned a Camtek Orion 806 Automatic AOI system.

This is a significant enhancement of capability – allowing Trackwise to verify and control the production of high-precision and high-complexity RF PCBs.

TrackSlip® patent granted

Trackwise are delighted that this simple – yet highly effective – solution for the sliding interface of VET antennas has been granted a patent.

TrackSlip® is being used by a growing number of our domestic and international customers, testament to its effectiveness in high performance, high reliability antenna systems.

Large format through plated PCBs

Exceptional applications require exceptional capabilities and Trackwise have responded to the challenge of manufacturing large format (up to 110"*24") through plated PCBs for the medical equipment industry as well as position measurement sensors for industrial applications.

Quality approvals

Trackwise have successfully upgraded their Environmental Management System to the ISO 14001- 2004 standard and their Quality Management System has been revalidated to ISO 9001-2000.

Established Success

Trackwise has grown rapidly since its foundation in 1989. This has been achieved through total commitment to excellent customer service combined with continuous investment in people, systems and process innovation.

Expertise recognised throughout the world

Trackwise export PCBs to leading the world's leading antenna manufacturers in Europe, USA, Thailand, China and Australia as well as serving their domestic UK market. This export achievement was recognised by the UK Government in 2005 with the award to Trackwise of a Queen's Award for Enterprise for International Trade.



For further information please contact:

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2.5 metres to 25 microns

Trackwise offer five orders of magnitude of capability and service

The following information is provided as a general guide to our normal manufacturing parameters, and should not be interpreted as absolute limits of our processes. We are always pleased to discuss any customer's specialised requirements.

Our Technical Services Department can help you with many aspects of material selection and high frequency applications, as well as helping you to develop prototypes.

PCB Types:

- Single Sided
- Double Sided
- Double Sided, Through Hole Plated
- Flexible
- Metal backed
- Multilayer

Manufacturing Parameters:

- Minimum Track - 0.025mm (0.001")
- Minimum Gap - 0.025mm (0.001")
- Minimum Drill - 0.3 mm (0.012") (finished, after plating)
- Maximum Panel Size - 2.8m by 0.6m (110 x 24") (DSNPTH, DSPTH - some constraints apply)
- Maximum PCB Thickness - 6.35mm (0.25")

Standard Conductor Finishes: ROHS Compliant

- Electroless Tin
- Hot Air Solder Level (Sn/Pb and Pb-Free)

Solder Masks:

- We can offer all standard solder masks, photoimageable or UV curing.

Trackslip®

- We have developed and patented a PTFE-loaded solder resist specifically for use on phase shifters for variable electrical tilt (VET) antennas.

Inspection:

- 100% Visual Inspection to IPC-6018 (Microwave/RF products).
- 100% Visual Inspection to IPC-600A (Digital/analogue products).
- Electronic Test ("Roving Probe" and "Bed-of-nails", as appropriate, optional)
- Automatic Optical Inspection (AOI) (optional).

Quality Approvals:

- BS EN ISO 9001:2000 (Manufacture)
- BS EN ISO 14001:2004

Substrates:

- PTFE/Glass
- FR4 Epoxy/Glass
- Foam
- Polyimide
- Polyester

We go to great lengths to ensure that we are aware of the latest developments in the field of microwave laminates – new products, latest prices etc. Please see our Microwave Laminates knowledge base at www.trackwise.co.uk/materials for full details of available materials.

Optional Finishes:

- Electroless Nickel/Gold
- Electroless Silver
- OSP



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