

A specialist micro component manufacturer





ICT – a leading micro component manufacturer

ICT was founded in 1991 by staff with extensive experience of the magnetic recording head industry. In addition to producing magnetic recording heads for industrial use, ICT now produces a variety of custom built, high-quality, micro precision components and assemblies.

ICT has the in-house precision engineering and control capabilities to undertake micro precision manufacturing, testing and calibration. Typical products manufactured include micro components, assemblies for inkjet printers, data recording heads and storage devices.

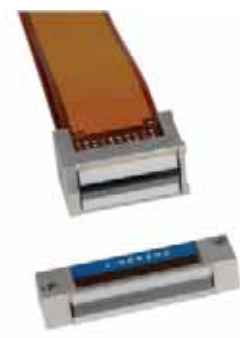
Our fast response to customer enquiries, combined with our technical resources and top quality product manufacture, has resulted in us becoming a leading design and manufacturing partner in the micro component market.

Product design and prototyping

Our continual programme of investment in equipment and processes enables us to offer a product design and development service that results in innovative designs and prototypes. These provide customers with benefits such

as cost reductions, operational efficiencies in addition to improvements in product quality and reliability.

If there are components within your production process that you would like to refine then please talk to us. We will work with you to create a new or improved product, undertake the manufacture and supply you with micro components that are assembly ready, on a just-in-time basis.



For more information on any of the processes or services offered by ICT, please call our technical sales team on +44 (0)1932 592215.



ICT processes and services

The processes and services undertaken by ICT at its manufacturing facility at Shepperton include:

- Micro lapping
- Micro machining
- Sputtering
- Glassing
- Wire bonding.

Inkjet printhead components

We manufacture a wide variety of precision components that are used within industrial and commercial continuous inkjet printers. The printhead components we manufacture are among the most complex parts of a printer and involve a range of specialist processes that are core skills of ICT. Examples of some of the inkjet printhead components we manufacture are:

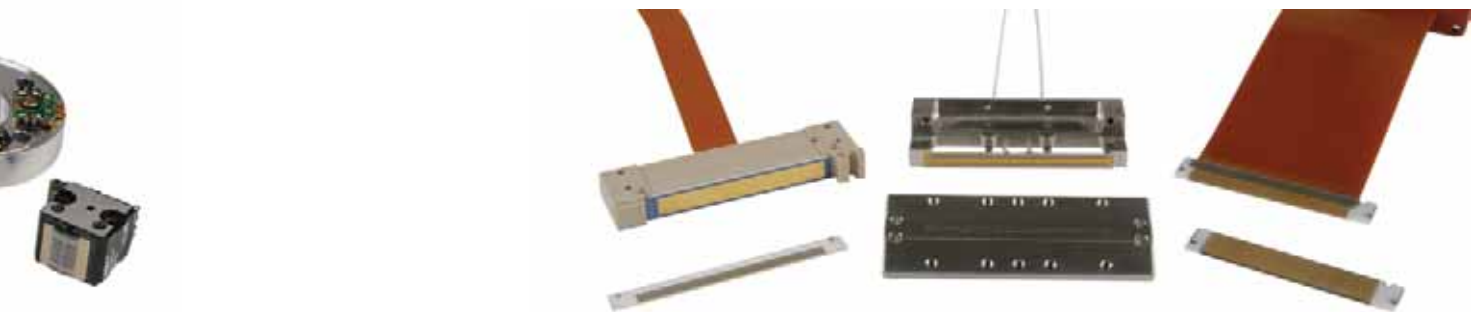
- Phase detectors and live blocks
- Charge electrodes
- Nozzle plates.

It is ICT's experience and expertise in these processes that makes us so well-qualified to supply printhead components to the world's leading continuous inkjet printer manufacturers.

Precision component manufacture and assembly

ICT manufacture precision components using specialist technology and machinery, which is being added to and updated on a regular basis through a programme of continuous investment. Some of our recent investment in equipment include:

- an ADT 7100 Silicon Wafer Dicing Machine
- a Nikon Nexiv Video Measuring System
- a 24" DC Magnetron Sputter System.



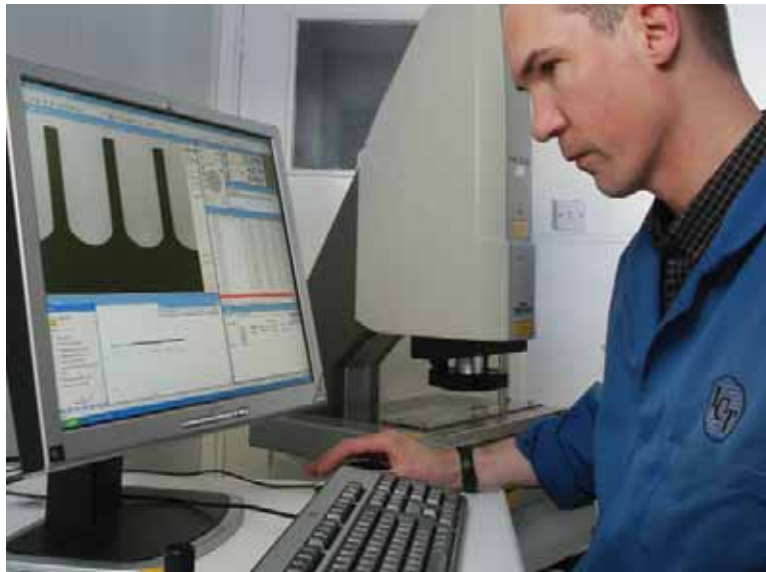
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Magnetic recording head technology

Advances in video equipment technology, as applied to high-speed digital data recording, has resulted in ICT establishing an advanced materials handling capability to respond to specialised customer requirements for video and scanner magnetic heads.

In addition to ICT's customer specified scanner head capability, a digital magnetic head repair, refurbishment and replacement service is available, which can offer new heads or a head refurbishment service to the original equipment manufacturer's specification.



Quality assurance

ICT is committed to manufacturing micro components to the highest quality standards and offers excellent customer service and technical support. ICT operates procedures in accordance with the BS EN ISO 9001:2000 quality standard.

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