

## ...the new perspective

We're new, but not without experience, we were established in 1991. We have global resources with seven facilities around the world. Our greatest strength is our growing workforce which now exceeds five hundred people.

As our name indicates we are an international company, we believe the cross cultural communication of ideas, cost saving initiatives and innovative thinking makes us stronger and drives our success. The operations centre for our business throughout Europe, Africa and the Middle East is located in Germany in the town of Lahna, close to Wetzlar which has a rich optical equipment manufacturing history and is widely recognized for high quality cameras, microscopes, and binoculars.

In Germany the team which we have built is characterized by its flexibility and focus on continuous improvement. Our Remote Visual Inspection (RVI) systems are used in many industrial areas including, Power Generation and Distribution, Oil and Gas, Automotive, Aviation, Aerospace and Building/Structural Inspection and Service. Our technology is also used for critical Law Enforcement, Security, Corrections, Search and Rescue and Military tasks where ease of use, accurate information and operator safety is paramount.

We support our customers with application expertise, innovative product solutions, an emphasis on training and the direct customer service provided by our customer facing staff and network of authorized sales partners. Our product service centre in Germany is optimized for quality, efficient turnarounds and the pursuit of customer satisfaction.

Discover your new RVI Perspective...



## C o n t a c t

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# Remote Visual Inspection ...the new perspective



- **Astronautics**
- **Automotive engineering**
- **Aviation**
- **Building engineering**
- **Customs**
- **Police**
- **Power engineering**
- **Power plants**
- **Process technology**
- **Security**

## iTool System

...the intelligent inspection system



### iTool System

The iTool System is made up of three components: the iTool Video Imaging Hub as the imaging and documentation hub; the iSeries Videoscope; and the compact Case for transportation.

- Specifically developed for industrial applications
- Compact and portable
- Entire system weighs just 4.0kg
- Dynamic 180° articulation
- Sturdy and reliable
- Easily transported



## iRis INTELLIGENT REMOTE INSPECTION SYSTEM



### iRis

Extremely compact dimensions, minimal weight and optimal handling are the outstanding attributes of the iRis Videoscope System by IT Concepts.

- Videoscope for the mobile use
- Ready for use in no time
- Very compact & portable
- Sturdy & reliable
- 1.5kg lightweight
- Real one-handed operation
- Integrated high-power LED light source
- Intuitive use
- Intelligent camera control



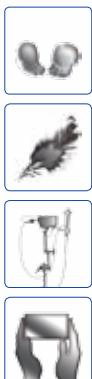
## eXtreme System



### Extreme System

An eXtreme System is the combination of an eXtreme Videoscope and an iCapturesmart image storage and display device. The resolution of this Videoscope is in the region of seven times higher than a typical industrial Fiberscope. The system is an economical alternative for demanding inspections which expose equipment to a lot of wear and tear.

- Specifically developed for industrial applications
- Ultra compact and portable
- The eXtreme System weighs just 2.5kg
- Dynamic 180° eXtreme articulation
- Easily transported
- Sturdy and reliable
- Plug and Play technology for immediate use



## iSeries Videoscopes



### Videoscopes

A CCD image sensor is the vital centre of every iSeries Videoscope providing unsurpassed resolution and image clarity for true-to-life images with realistic colours.

- Specifically developed for industrial applications
- Diameters of 4.0mm, 6.0mm and 8.0mm
- Working lengths of 1.0m – 15.0m
- Dynamic 180° articulation
- 2-way/4-way articulation
- Real one-handed operation
- Tactile probe contact in objects
- Interchangeable objective lenses and 90° side view tip
- Convenient one-handed operation
- Image capture button on handpiece
- Withstands immersion in liquids
- Splash-proof handpiece
- Custom-built versions available

## iTool Video Imaging Hub



### iTool Mobile Video Imaging Hub

With the Hub, images can be viewed, marked with the on-screen text generator and quickly saved. The inspection images can be transferred to a PC with ease using the iTool's USB interface or CompactFlash® mass storage device.

- Specifically developed for industrial applications
- Compact and portable
- Weighs just 2.5kg
- Large, bright 6.8 inch TFT display
- Image capture with audio commentary
- On-screen menu
- Text generator
- Personalised camera control
- Low light operation
- Rechargeable powerBelt
- max<sup>hold</sup> holding device (optional extra)

## iCapture<sup>smart</sup>



### iCapture<sup>smart</sup>

Extremely compact in size – light weight for maximum portability. The 580g of this lightweight imaging and documentation hub is barely noticeable when climbing or walking. The "clever counterpart" to the iTool Video Imaging Hub is significantly smaller with state of the art features.

- Specifically developed for industrial applications
- Compact and portable
- Weighs just 580g
- Bright 4.0" TFT display
- On-screen menu
- Rechargeable powerBelt
- smart<sup>hold</sup> holding device

## High-power Light Sources



### High-power Light Sources

Light sources by IT Concepts create top lighting conditions and provide perfect illumination for different kinds of application. Whether high light output, durability, little weight or mobility – at IT Concepts you will find the whole spectrum.

- Efficient light sources from 3W LED to 300W Xenon
- LED, halogen, metal halide, UV and Xenon
- Durable, powerful, bright
- Compatible with external products by different light guide adapters
- 24W Light Source can comfortably be carried at the powerBelt by using the belt clip

## iFlex Fiberscopes and Industrial Line Rigid Borescopes



### Flexible Fiberscopes and rigid borescopes

iFlex Fiberscopes contain an optical image guide made of highly flexible, thin and parallel single fibres. A focusable ocular adjusts the optic system to the visual acuity of the viewer. Additional to the direct view objective, a side view tip adapter can be provided.

- Specifically developed for industrial applications
- Diameters of 2.4mm to 8.0mm
- Working lengths of 400mm to 3000mm
- High-resolution image guides
- 90° Side View Tip Adapter (optional)
- Maximum light transmission
- Real one-handed operation
- Sensitive zero-point of the articulation
- Tactile probe contact in objects
- Permanently deceleration of the controller cables
- Durable tungsten sheathing
- Withstands immersion in liquids
- Splash-proof handpiece

## Useful Accessories



### Useful Accessories

Simplify inspections in your field of applications and add to your system's mobile capabilities. Through intensive dialogue with users across the globe, our range of products is constantly being modified and enhanced.

- max<sup>hold</sup> & smart<sup>hold</sup> holding devices for iTool & iCapture<sup>smart</sup>
- Rechargeable powerBelt
- iCase & iCase<sup>plus</sup> clever and compact "Roll along" cases
- CCD Cameras, video camera adapters
- Light guides, Light guide adapters, Light source adapters
- Rigidizer & Scope Grip rigid guide tubes
- Semiflexibles Dekabon guide tubes
- Centering devices