

NDT Products & Special Engineering

 **Solutions & Services for Industry**



We ensure your peace of mind.

We provide NDT solutions. From off-the-shelf to customized, as well as retrofitted or built from scratch. However, our ultimate goal is your satisfaction, so you can be confident that you have fully inspected the integrity of whatever your inspection object is.

Whatever shape, size or surface.

On the subject of inspection objects, if you can build it, we can inspect it. No matter how big, how challenging the shape or what it is made from, our long experience in special engineering projects allows us to set up a tailor-made system to inspect almost any object.

Leading technology and service

When you partner with Actemium, you get the best of both worlds: leading edge technology combined with a true service mindset, and a willingness to try new things, together.

From integrating **supplier independent hardware and software** solutions, the ability to **calculate a trajectory curve from a 3D nominal or actual model**, or the option to **integrate into existing processes**, we have a wide range of knowledge to ensure your satisfaction.

TOP PRODUCT FEATURES

- Supplier independent hardware and software solutions
- Customized software
- Trajectory curve calculation from a 3D nominal or actual model
- X by 1 robotics
- Highest possible inspection speeds

Your - All in One – NDT partner

We accompany you from start to finish, with a **NDT Discovery Workshop** to determine your needs, a digital proof of concept so you can visualize it in advance, production and installation as well as the onsite training, **remote support** when required and, of course, our **worldwide Actemium Service Network**.

Discovery Workshop

Proof of concept with digital visualisation

Production

Installation

Training

Onsite or remote servicing



	Rotationally symmetric components - external inspection	Rotationally symmetric components - internal inspection	Flat components	Complex geometries (freeform surfaces / special geometries)
Hollow Axle Inspection System (e.g. SHUTTLE)		✓		
Rotor Inspection System (e.g. TURO-MAN)	✓			
Disk and Ring Inspection System (e.g. SIRO-MAN)	✓	✓		
Plate Inspection System (e.g. ARTUS)			✓	✓
Hollow Shaft Inspection (e.g. BORRIE)		✓		
Gantry-Solutions (e.g. UP-WIN)	✓		✓	✓
Immersion Tanks (e.g. GERRIE)	✓	✓	✓	✓
Inline Inspection Systems (Bars, Billets)	✓		✓	
Robots / Special Solutions	✓	✓	✓	✓

Type of material: metals (from A to Z), composite materials, clad and coated materials, base material and welds.



TOP SERVICES

- ✚ NDT Discovery Workshop
- ✚ Feasibility Studies
- ✚ Service Level Agreement guaranteed 24h reaction time with just two hours for mechatronic enquiries
- ✚ Train the trainer model
- ✚ Next day delivery of spare parts
- ✚ Remote maintenance and support service

"Our reputation relies on us promising and delivering the highest quality. Thanks to the reliability and accuracy of the Siro-man testing rigs from Actemium, we're able to ensure that every product we deliver meets those high standards."

Ing. Helmut Pfeiler, ZfP
Responsible for NDT at the open-die
forge voestalpine Böhler Edelstahl

Got a challenge? We'll solve it.

Being engineers we love a challenge. When a client who manufactures large steel rings wanted a system that would perform contactless, high speed inspection of objects with a large diameter range and various geometries, we said "No problem."

We brought together a combination of solutions at the limit of the technically feasible, to realize the client's wishes.

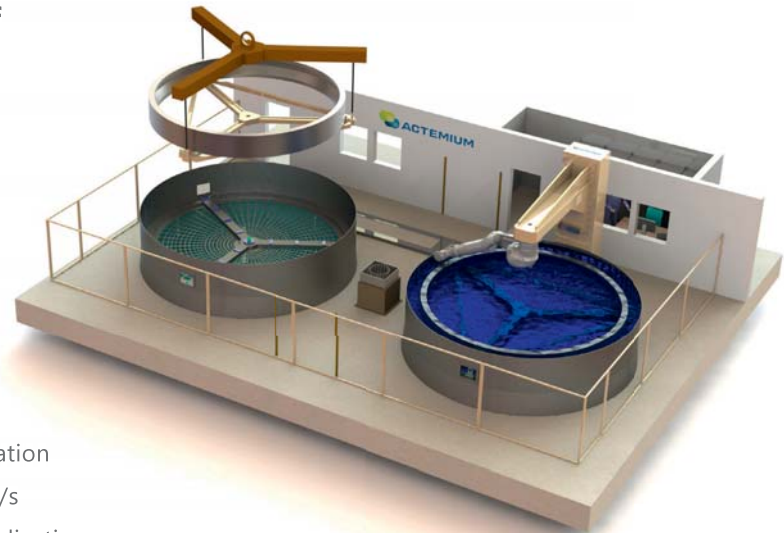
Key facts:

Inspection object

- Large steel rings forged and machined
- Various rotation-symmetric geometries
- Diameter from 700 mm to 5000 mm

Inspection technique

- Immersion tank (UT inspection) or contactless ET inspection for surface defects and characterization
- Predefined scan paths, with speed up to 800 mm/s
- Return to defect option for additional scans of indication



About Actemium

Present in 41 countries around the world, Actemium exists to improve our clients' industrial performance and competitiveness. Specifically, our NDT units provide both turnkey and a la carte solutions across all industrial sectors, including the transport, nuclear, aerospace, sheet metal fabrication, chemicals, petrochemical, food processing, pharmaceutical and healthcare industries, to support all stages of your NDT project.



We're at your service

For more information about our products and solutions including a technical data sheet, detailed specifications and descriptions of example applications or more about our tailored Special Engineering Solutions, write us at info.nds@actemium.de or call us on **+49 (0) 911 9943-0**.

www.actemium.com

