DISA Trace and Guidance

The Missing Link

Full casting traceability to eliminate scrap

DISA

A Norican Technology

DISA TAG – more accurate insight into your process

Which part of your line is causing scrap?

It's hard to identify exactly which part of your process is to blame for scrap. In fact, there can be multiple, interwoven reasons for defects like porosity or sand inclusions – and batch data is often too inaccurate to diagnose them.

DISA Trace and Guidance (TAG) is the missing link. For the first time ever, DISA TAG connects every single casting to the specific process data that produced it, from raw materials to clean castings.

DISA TAG works by adding a unique ID to each casting. Simply scan that ID to link the casting to a specific defect cause or look up the process parameters that you collected for it during production.

Stop guessing and find the correct root cause

DISA TAG's individual-casting-level view removes the uncertainty of batch-level analysis. It helps you investigate root causes and decide exactly which combination of process parameters created a bad casting.
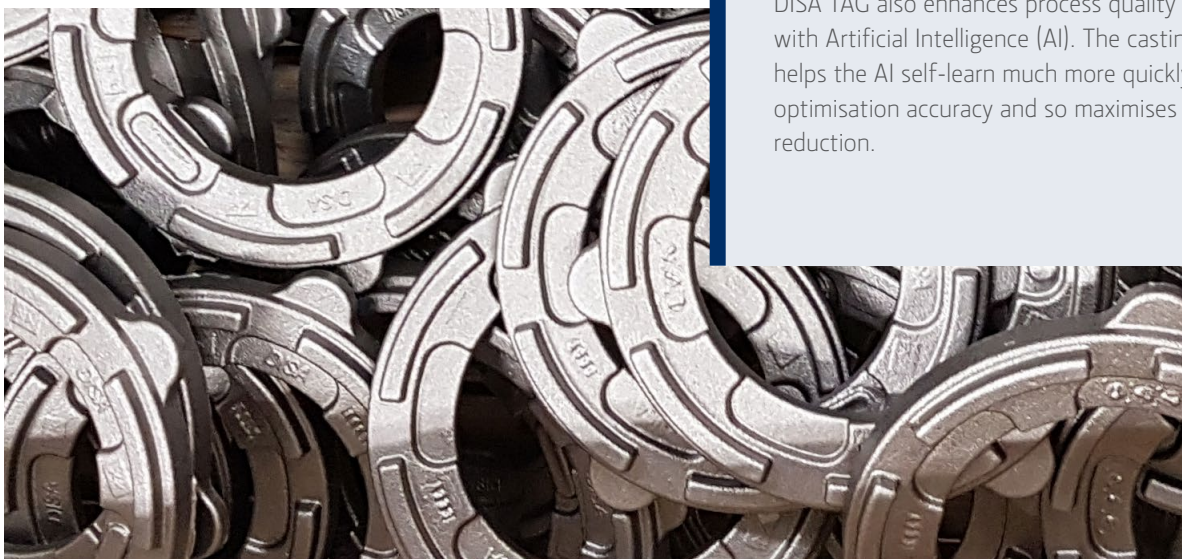
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Discover hidden insights and solve complex quality problems, then take the correct action to improve quality, reduce reworking and scrap, increase sustainability – and cut costs. If a customer enquires about a casting months later, just scan its TAG ID to locate its process data.

Additionally, operators can classify a set of castings as "bad", use hand scanners to quickly identify them after shot blasting – and ensure that good castings aren't scrapped too.

DISA TAG also enhances process quality optimisation with Artificial Intelligence (AI). The casting-level data helps the AI self-learn much more quickly, improves optimisation accuracy and so maximises scrap reduction.

Optimising your foundry – step by step

How DISA TAG works

"Finding the root cause of scrap can be extremely difficult, making it hard to reduce quality-related costs. DISA TAG promises to be a game changer, helping to reduce quality costs to previously unseen levels."

DISA TAG – for the most accurate data-based view of your process

Do you take decisions based on process data? DISA TAG's casting-level view gives you greater insight and more profitable outcomes.

- Improved casting quality
- Reduced costs, lower energy consumption, greater sustainability
- Easily sort out bad castings during QC inspection
- Avoid scrapping and re-melting good castings
- Full casting traceability over lifetime of casting

Marking

Marking unit in the pattern plate gives each casting a unique TAG code.

Reading

Scan codes of scrapped castings and enter defect type. Data is automatically imported to foundry database.

Analysing

Each casting's unique code and specific defect is linked to process data. Analyse process data to find root causes of defects.

About DISA

DISA, a Norican Group technology, develops and manufactures a complete range of metal casting production solutions for the ferrous and non-ferrous foundry industries. Headquartered in Taastrup, Denmark, DISA is the world-leading supplier of complete foundry solutions and services, as well as state-of-the-art green sand moulding equipment.

DISA's long-standing tradition of innovation and our unrivalled global support network have earned us the trust and loyalty of foundries worldwide. We have the industry's broadest moulding product portfolio, comprising vertical (DISAMATIC®), matchplate (DISA MATCH) and horizontal (DISA FLEX) green sand moulding systems.

DISA provides complete, integrated foundry lines for a wide variety of customers – lines which, in addition to our moulding technology platforms, include complete sand plants, sand mixers, conveyor systems and cooling drums, as well as our unparalleled services and spare parts network.

DISA also offers its class-leading Monitizer digital solutions, developed in partnership with Norican Digital Lab, that support the whole digital journey from data collection to AI-driven casting quality optimisation. Monitizer works in all types of foundries and processes, and with any vendor equipment, to deliver serious process improvements – fast.

We are Norican: DISA | Italpresse Gauss | StrikoWestofen | Wheelabrator

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