

IMDEX Rock Knowledge

ACTTMX

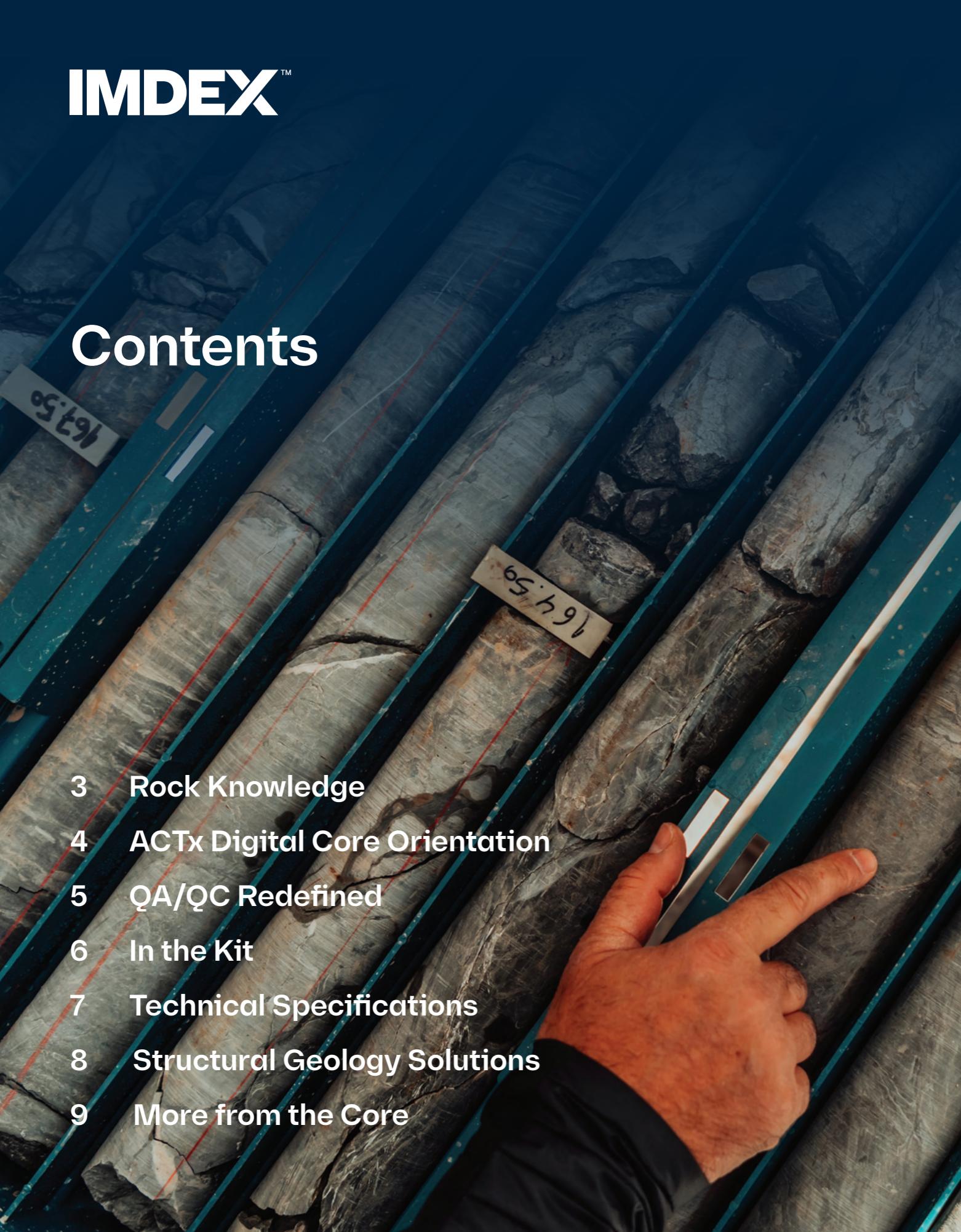


**Unparalleled confidence
in core orientation with
decisions based on high
quality, auditable data**

IMDEXTM

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Rock Knowledge

Accurate, reliable and confident orebody knowledge (OBK) begins with rock knowledge. You need critical information about the location, structure, chemistry and mineralogy of your sample so you can define the rock.

As specialists in rock knowledge, IMDEX's vision is to deliver this critical information in the most accurate, efficient and safest way possible.

At IMDEX, we develop, manufacture, and supply a comprehensive range of downhole survey tools, digital core orientation technology, and precise structural and geoscience data collection and analysis software.

For over 40 years we have redefined the way structural, survey and geoscience technology is used to deliver accurate, verifiable and reliable data for informed decision-making around your drill program.

Our rock knowledge solutions enable you to:

- ✗ Precisely map where your sample comes from in 3D space
- ✗ Understand the structure and mineralogy of your rock, essential for developing accurate subsurface models to enable efficient orebody targeting
- ✗ Enhance exploration, analysis, and decision-making
- ✗ Improve operational and workflow efficiencies

Digital core orientation. Not as you know it.

ACTx™ is a ground-breaking, next generation digital core orientation system, purpose-built to enhance the safety and precision of core orientation whilst delivering high-quality, auditable data essential for geologists.

Central to the ACTx design is the orientation jig* that delivers a safe workflow for operators whilst ensuring consistently sharp and high-quality orientation marks every time.

ACTx is reinventing digital core orientation:

- ✗ A whole new workflow for enhanced safety and productivity
- ✗ QA/QC like never done before
- ✗ Improved orientation mark quality and confidence
- ✗ Integration with IMDEX's structural, navigation and software solutions for greater value

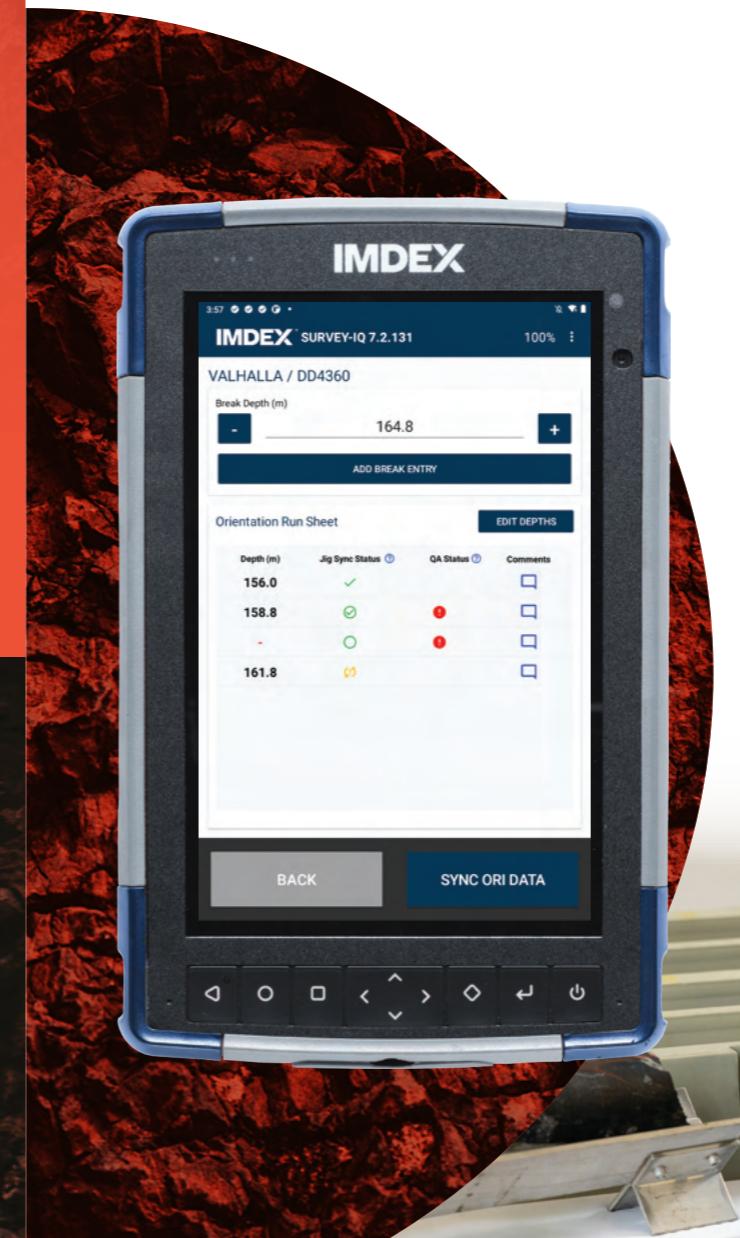


*patent pending

The ACTx orientation jig provides a no-break comms workflow and enables core orientation without rotating the tube.

QA/QC redefined. Quality Assurance. Quality Core.

Make more confident and informed decisions ultimately resulting in enhanced drill program management and geotechnical planning.



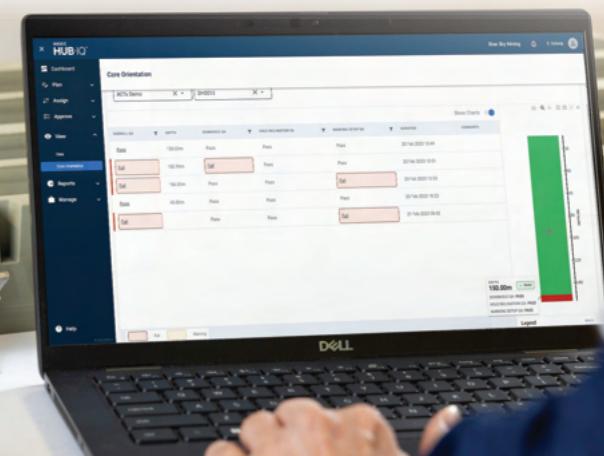
Geologists in exploration and mining can rely on the data provided by ACTx to be accurate and reliable resulting in a better understanding of the geological structure.

Quality orientation marking – The constrained marking guide featured on the orientation jig not only ensures consistent and accurate marks on the face of the core, but also along the core edge.

Secure, auditable data trail – Quality assurance data automatically captured as part of the workflow ensures every orientation is validated, reducing errors and strengthening customer relationships between drilling contractors and resource company.

SURVEY-IQ™ – SURVEY-IQ software communicates with the orientation jig via Bluetooth and enables sync with IMDEXHUB-IQ whilst drillers are able to enter comments for each orientation.

IMDEXHUB-IQ™ – Geologists are provided with quality assurance flags collected during the core orientation workflow. These QA warnings are grouped into categories allowing for easy assessment and interpretation in the ACTx module in IMDEXHUB-IQ.

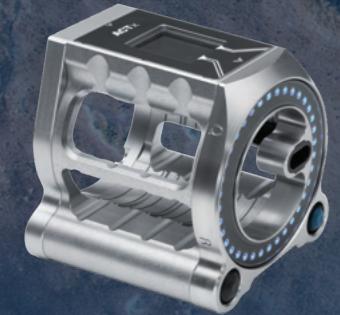


In the Kit



Downhole Unit (DHU)

- ✗ Single sized DHU uses adapters and grease caps to adapt to different sizes
- ✗ No requirement for extension barrels



Orientation Jig

- ✗ Provides a no-break comms workflow and enables orientation of core without rotating the tube
- ✗ Stringent marking guides allow quick, easy and quality marking on the face and side of the core
- ✗ Capture information regarding the quality of the orientation mark and reading.



SURVEY-IQ

- ✗ Communicates with the orientation jig via Bluetooth and enables sync with IMDEXHUB-IQ, whilst enabling drillers to enter comments for each orientation



ACTx Technical Specifications

Core sizes

N, N2 N3, H, H3

Dimensions

Downhole Unit (without coupling adapter)

Length	109mm
Diameter	48mm
Weight	560g

Orientation Jig

Length	120mm
Width	108mm
Height	115mm
Weight	1010g

Performance

Downhole Unit

Dip range	0° to ± 87°
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Orientation Jig

Accuracy	± 1°
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Battery

Downhole Unit

Type	Non-rechargeable lithium metal
Life	1,400 orientations (approximate)

Orientation Jig

Type	Rechargeable lithium ion
Life	30 days (approximate)
Charge time	9 hours

Operational environment

Downhole Unit

Operational Temperature	-30°C to 60°C (-22°F to 176°F)
Storage Temperature	-30°C to 60°C (-22°F to 176°F)

Orientation Jig

Operational Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-20°C to 50°C (-4°F to 122°F)
Charging Temperature	3°C to 40°C (37°F to 104°F)

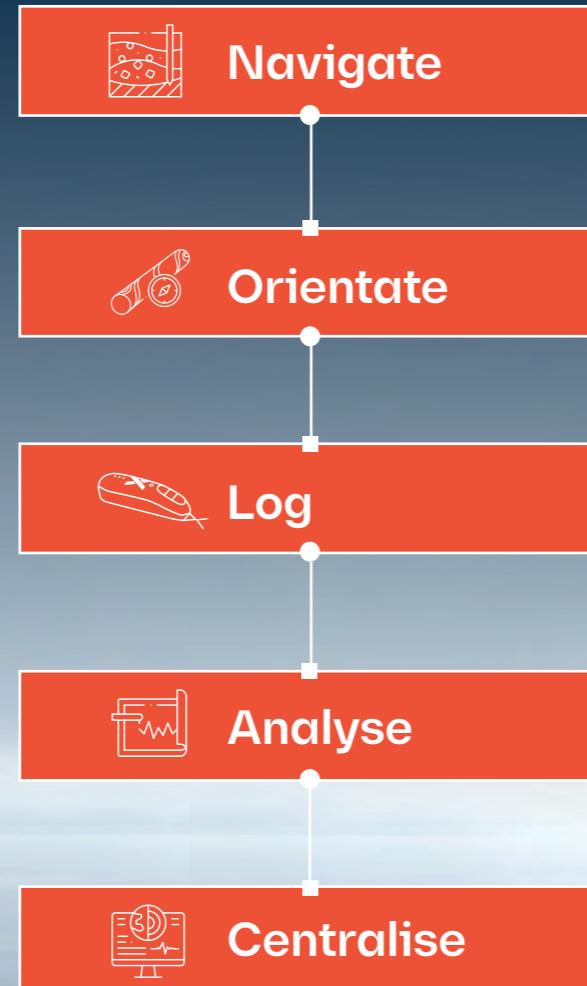
Unlock the value. Structural geology solutions.

ACTx seamlessly integrates with other critical IMDEX tools to streamline workflows and minimise errors through automated data flows.

Central to the structural geology solution is **IMDEXHUB-IQ™**, which saves valuable time allowing the easy combination of downhole survey data from IMDEX navigation solutions such as **OMNIX™** and **DeviGyro™**, and structural measurements from **LOGRx™**.

The smooth integration into **ioGAS™** for analysis, incorporating assay and other geoscience data ensures that your structural geology interpretations are not only efficient but also error-free, allowing for more confident decision-making in your projects.

Combining LOGRx, ACTx and gyro navigation data with IMDEXHUB-IQ, delivers repeatable and auditable conversion of alpha/beta angles based on the hole trajectory.



More from the core.

"Simple to use, very easy. Best ori(entation) tool I have ever used."

- **Offsider**

"By rotating the ACTx tool instead of the bulky core tube, we simplify the process of the core orientation, saving time and effort."

- **Driller**

"More accurate marks thanks to the ori(entation) jig and QA verification."

- **Driller**

"Awesome – more accurate, half the time to orientate."

- **Exploration Manager**

"About 80% of the orientations fall within our mismatch tolerance of <5%."

- **Geologist**



ACTx™

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