



Pipeline Inspection
Solutions

CRAWLER SYSTEMS

PIPELINE INSPECTION SERIES



SALD PIPE CRUISER 300
DN300-1000MM



SALD PIPE CRUISER LIDAR
DN200-1200MM



SALD ZOOM POLE
DN100-2000MM



SALD SONAR LIDAR
DN350-6000MM



SALD CORK SCREW
DN600-3000MM



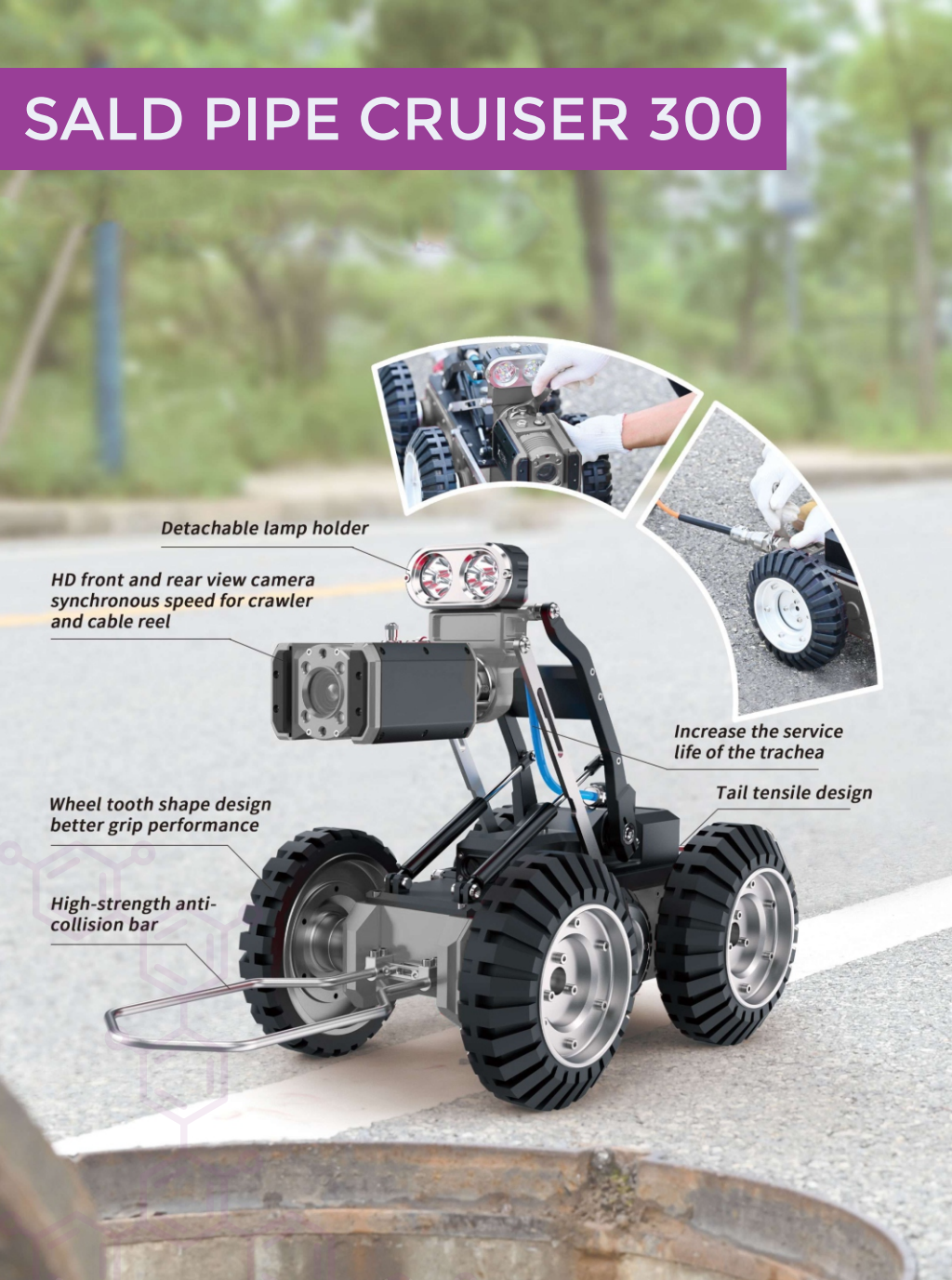
SALD PIPE CRUISER 150
DN150-500MM



SALD ROBOT
≥DN400MM



CRAWLER SYSTEMS



SALD PIPE CRUISER 300

TECHNICAL HIGHLIGHTS

Digital High-Definition Clarity

Featuring 2 million pixels, our system displays front and rear views simultaneously on a single screen. Designed for durability, the anti-collision lens ensures reliable performance in any environment.



Wireless Control & Transmission

- Equipped with a wireless main control system for seamless operation.
- User-friendly interface ensures intuitive navigation and efficient control.

Strong Drive

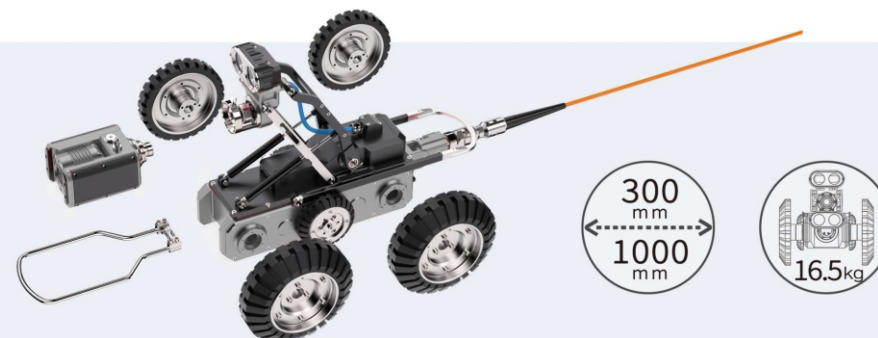
- Six-wheel independent drive system ensures powerful traction.
- Capable of climbing inclines up to 45° for enhanced maneuverability.

AI Intelligent Recognition

- Automatically detects pipeline defects during inspection.
- Generates a detailed evaluation report with a single click, streamlining analysis and documentation.

Real-Time Online Management

- Supports remote video live streaming for real-time monitoring.
- Enables precise location tracking of inspection scenes.



CRAWLER SYSTEMS

NU^URE
Laboratories

SALD PIPE CRUISER LIDAR

PANORAMIC QUANTITATIVE INSPECTION CRAWLER

The SALD Pipe Cruiser LiDAR Crawler is a cutting-edge quantification crawler equipped with:

Panoramic camera with LiDAR for high-precision inspection.
Crawler system, cable reel, and main control tablet for seamless operation.
Centralized data display, including HD pipeline video, panoramic views, chromatograms, and cross-sectional profiles.

This advanced system enables millimeter-level accuracy in analyzing pipeline deformation, deposition, defect size, and volume, providing critical data support for efficient maintenance and repair planning.

- ✓ High-precision measurement
- ✓ Panoramic display
- ✓ Spectrum analysis
- ✓ Intelligent identification and analysis
- ✓ 3D quantification



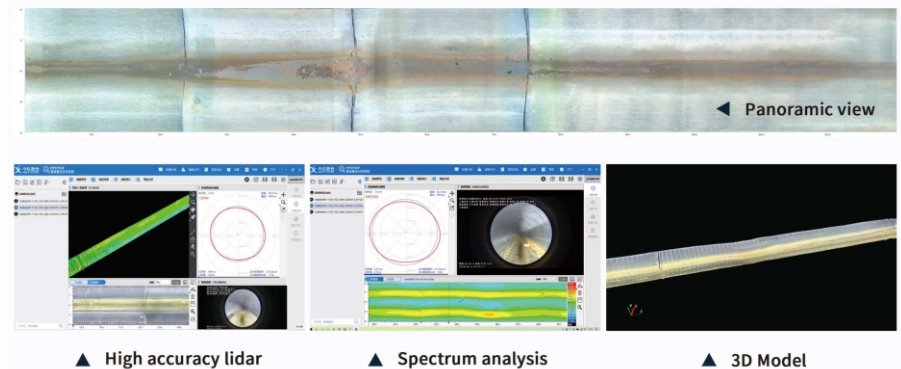
TECHNICAL HIGHLIGHTS

Accurate & Efficient

The pipeline's inner wall is captured as a panoramic image with quantified defect analysis. Defects are pinpointed directly on the panoramic view, and with a single click, the system links to the corresponding video frame and cross-sectional profile data, enabling precise quantification and in-depth assessment.

Comprehensive Analysis

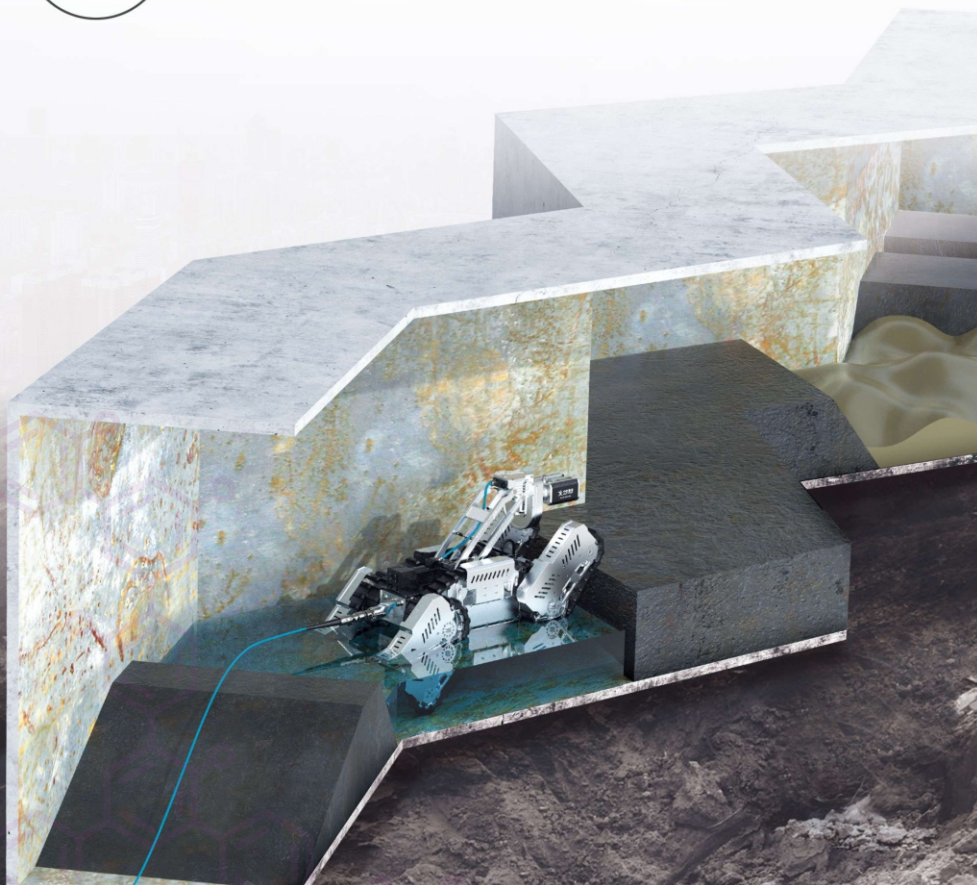
Detection video seamlessly integrates with 2D and 3D views, providing a clear and intuitive understanding of pipeline conditions. This system enables precise defect marking and measurement, qualitative and quantitative analysis, and automated generation of professional, data-rich reports with just one click.



CRAWLER SYSTEMS

NU_{ORE}
Laboratories

SALD ROBOT



TECHNICAL HIGHLIGHTS

Advanced Crawler Drive

Featuring a new crawler structure with front and rear detachable swing arms, this system adapts to various terrains with ease. It ensures smooth operation in mud, water, steep slopes, deep ditches, high ridges, and continuous curves, providing superior mobility and stability in challenging pipeline environments.

Powerful Mobility:

- Maximum walking speed: 13m/min
- Strong climbing ability up to 45°
- Obstacles up to 300mm in height
- Crosses ditches up to 450mm wide

Highly Expandable:

- Modular design for multi-functional use
- Compatible with laser scanners, panoramic lenses, and more
- Enables comprehensive detection and precise defect quantification

Designed for efficiency, adaptability, and high-precision pipeline assessment.

Digital High-Definition

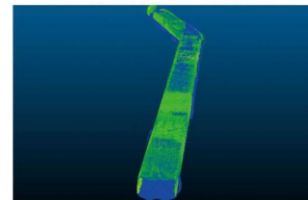
- 2MP HD camera with 1080P resolution
- Front & rear views displayed simultaneously
- One-click defog & automatic leveling for crystal-clear imaging

Protection Grade Ip68

- High-strength sealing design for extreme conditions
- Waterproof, dustproof, and built for reliability in harsh environments

Designed for precision, durability, and unmatched performance in pipeline inspections.

3D LASER INSPECTION



HIGH STEPS



PIT



PONDING



SLOPE



CURVE



CRAWLER SYSTEMS

SALD CORK SCREW SERIES

TECHNICAL HIGHLIGHTS

Powerful Mobility

The double-helical propeller enables smooth navigation, reaching speeds of 0.5m/s even in still water.

Advanced Scanning

Equipped with sonar and LiDAR, it captures high-precision 3D pipeline profiles, detecting defects above and below the water surface.

Accurate Defect Localization

A built-in sonde transmitter allows precise defect pinpointing, streamlining repairs and minimizing excavation.

Versatile & Reliable

Designed for efficiency, it delivers real-time data, high-definition imaging, and comprehensive defect analysis for proactive maintenance.

« SALD CORK SCREW SERIES
Sensor Inspection Robots



CRAWLER SYSTEMS

SALD MANHOLE INSPECTOR

TECHNICAL HIGHLIGHTS

Efficient Data Collection

Automatically gathers video and LiDAR data with a retrieval speed of 2m/min, streamlining inspections.

Comprehensive 360° View

Users can explore a 3D model, rotate, zoom, and inspect from multiple angles, ensuring full-coverage detection.

Precision Measurement

Accurately calculates depth, size, and volume, providing critical data for effective repairs and maintenance.



NU²RE
Laboratories

SALD ZOOM POLE CAMERA



TECHNICAL HIGHLIGHTS

Digital HD Camera

High Definition Imaging

- Equipped with a 2-million-pixel HD camera, offering 30x optical zoom for detailed inspection.

Enhanced Features

- Includes auto focus, manual focus, self-balancing, and one-key defogging for clear, stable visuals in any condition.

Wireless HD Transmission

Stable & Reliable

- Utilizes wireless high-definition transmission technology with strong anti-interference capabilities, ensuring smooth operation even in complex network conditions.

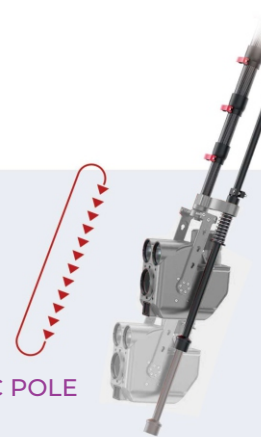
Precise Laser Ranging

Accurate Defect Location

With 100-meter laser ranging and an accuracy of $\pm 0.001\text{m}$, it can precisely locate pipeline defects for accurate assessments.



TELESCOPIC POLE



ELECTRIC PITCHING ROTATE





Contact us for more information.

SALD Trenchless Europe GmbH

Address: Radeburger Straße 11, 01936 Laußnitz, Germany

Email: deon@asoepipe.co.uk / sales@saldtrenchless.com

Cell: +27 82 611 8116

www.nucure.co.za