

LEADING TECHNOLOGIES.

FOR A CLEAN
ENVIRONMENT.

RAUSCH



CONTENT.

The companies within the RAUSCH Group develop and manufacture innovative systems for pipe and sewer inspection, leak testing, milling robotics and UV curing technology.

Our solutions are designed to support the maintenance and rehabilitation of wastewater networks, helping to protect infrastructure, the environment and public safety. The product range covers everything from compact push systems to advanced crawler systems, robotics and UV systems, providing complete solutions for a wide range of applications.

By integrating these technologies, we ensure reliable performance, efficient workflows and practical solutions for real-world use.

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IMPRINT

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RAUSCH PREMIUM

RCA 5.0
High-end premium
version with 15" touch
control unit and 500 m
camera cable



+ RCA 5.0

RAUSCH COMFORT

ELKA 600
Fully equipped cable
drum in conjunction
with the Rausch-Tab
control unit with
300 m camera cable



+ Rausch-Tab

RAUSCH MOBILE

CUBIX 300
Mobile electric cable reel
with 300 m camera cable



+ Rausch-Tab

RAUSCH BASIC

OMICRON
Mobile system for drive
and push operation
Omicron push
Omicron drive
Omicron extended



+ Rausch-Tab

CCTV inspections from 100 – 3000 mm
Lateral launch system from 135 – 1800 mm

RCA 5.0

- Full HD transmission with copper cable without fibre optics
- Resolution HD: 1920 x 1080 Pixel
- Based on the VML technology specially developed and patented for this purpose
- Elka 600 cable drum with up to 500 m camera cable
- Pressure test: sleeves, reaches, manholes, house connection, Milling robotics operation

RESULT:

- High-definition image quality
- Exact recording and documentation of the inspection
- Reduced maintenance costs
- Remote service check



DETAILS STUDIO

- RCA 5.0 technology in the studio
- Digital video technology in full HD quality
- 1920 x 1080 pixels or MPEG-4 with 720 x 576 pixels
- Ergonomic operating concept with electrical lifting table for fatigue-free working
- System control via industrial PC with a 15" touch screen and two multifunctional joysticks for camera and crawler operation
- Freely configurable user interface and joystick controls
- Digital overlay technology for measured value and data display in different national versions
- Display technology, adjustable font sizes and colours
- 24" full HD video monitor
- Serial bus system for the control of the cable drums, crawlers and cameras and the full HD satellite system
- Ethernet, Wi-Fi and UMTS connectivity for the video and data exchange with documentation PC and software (PipeCommander or other acquisition programmes)
- Adjustable recording settings
- Power supply with lithium-ion batteries

VEHICLE DETAILS

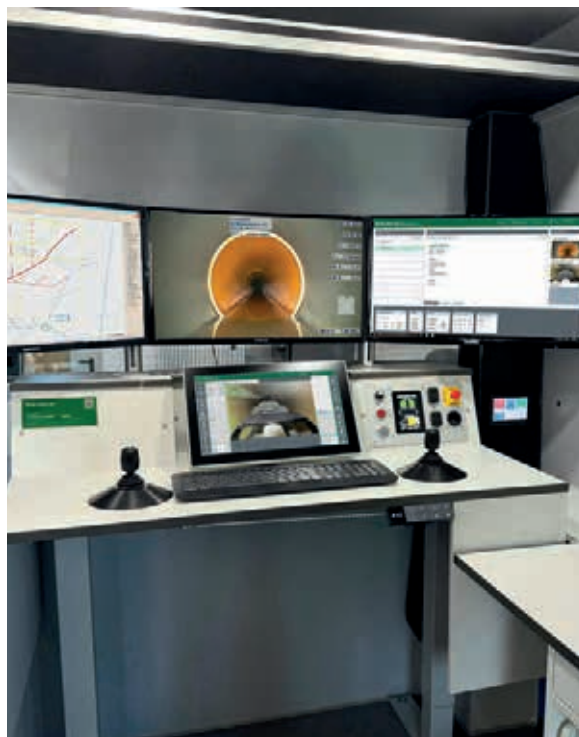
- Rear area expansion with passage to the studio
- Water supply
- Elka 600 HD cable drum with observation monitor, telescopic swivel arm and chain winch
- Cable length up to 500 m
- Quadtro SAT HD cable drum, cable length 150 m and 40 m push cable
- Lateral launch system in full HD
- Kampac hose reel for joint pressure testing
- Premus 600 for reach, manhole and separators testing

OPTIONS

- Deformation measurement system
- Lateral tracking system LATRAS
- Up to 3000 mm in combination with crawler extension (Lafette) and camera raft
- Lightweight construction for driver's licence class B up to 3500 kg total weight
- Expansion according to individual customer requirements possible
- Leak test of individual joints, pipes, manholes and separators

CRAWLERS + CAMERAS

- Crawler FW 90 and camera KS 60 HD, 100 – 600 mm
- Crawler FW 135 and camera KS 135 HD, 135 – 3000 mm
- Crawler FW 135 with lateral launch system M-Series and camera KS 60 HD



RAUSCH-TAB



- 12.1" touch screen display
- Integrated PC
- Operating system: Windows 10
- Multifunctional joysticks
- Easy to remove for office work
- Standard basic software for image, video and PDF creation
- Expandable with fully integrated inspection software PipeCommander or any other third-party system
- Bracket for mounting on the cable drum Omicron, Cubix 300 or vehicle installations
- Wi-Fi capable, LAN capable, USB, HDMI
- Diameter determination
- Inclination, temperature and laser measurements with internal PC
- Deformation measurement across the entire reach
- Dimension: 410 x 250 mm
- Type of protection: IP 64
- Control unit for Omicron, Cubix, and Elka 600
- Mobile solution for main lines and lateral inspection in full HD
- Remote service check
- Option: external joysticks





RAUSCH COMFORT

100 – 3000 mm

PRODUCT LINES 11

TELESCOPIC
SWIVEL ARM



TECHNICAL HIGHLIGHTS

- Integrated 8" LCD monitor
- LED work light
- Telescopic swivel arm
- Integrated chain winch with 20 meter chain length for lifting and lowering camera and crawler
- Remote control
- Wireless remote control (optional)
- Unwind aid
- Electric and manual brake

QUADTRO SAT HD CABLE DRUM

- Cable length 150 m
- 40 m push cable
- Lateral launch system in full HD

ELKA 600

- Up to 300 m camera cable
- Fully synchronized built-in cable drum
- Designed for Rausch van builds

RAUSCH MOBILE

100 – 3000 mm

CUBIX 300

- Electric cable drum with up to 300 m camera cable
- Control panel with status display
- Foil buttons for the operation from the rear area
- Electric and manual brake
- Remote control
- Cross guide spindle and folding arm
- Option: Radio remote control
- Dimension: 425 x 425 x 480 mm
- Weight: 67 kg incl. 300 m camera cable



CRAWLER FW 90
CAMERA KS 60 HD



STUDIO

- Power supply with lithium-ion batteries
- Charging via the standard alternator

REAR AREA

- Finishing with high-quality aluminum profiles and pull-outs for crawlers and accessories
- Rear monitor
- Folding rain and sun protection canopy
- Water tank for cleaning



RAUSCH BASIC

from 50 mm

PRODUCT LINES 15

OMICRON

The Omicron combines two worlds in one CCTV inspection system and is the first system in the world in full HD for pipe and sewer inspections in push and crawler operation.

- Mobile system with compact transport dimensions
- Removable basket with quick release fastener as well as the simple quick-change system of the wheels support purposeful, effective working
- Thanks to the variable folding option and rotating capability of the holder, the Rausch-Tab can be optimally adapted to the operating conditions
- The foldable handle and the skids for stairs make the Omicron easy to handle
- Rechargeable battery operation with exchangeable battery
- Mains adapter

OPTION:
ATEX



CRAWLER OPERATION OMICRON DRIVE

- Crawler operation from 100 mm
- Crawler FW 90
- Camera KS 60 HD
- Up to 200 m camera cable
- Manual guidance
- Crank handle
- Path length measurement in mm resolution



PUSH MODE OMICRON EXTENDED

- Push operation from 50 mm
- Compatible with Rausch Comfort and Rausch Premium systems
- Main cable up to 500 m
- Pan & tilt camera: KS 60 HD
- Axial camera: SAT 42 with upright image
- Expandable with LATRAS for lateral tracking
- Diameter measurement included
- PipeCommander Studio integration
- Transfer of lateral tracking data from Omicron to the main system



PUSH MODE OMICRON PUSH

- Push mode from 50 mm
- Pan and tilt camera: KS 60 HD
- Axial view camera: SAT 42 with horizontal picture
- Up to 80 m push cable
- Path length measurement in mm resolution
- Expandable with LATRAS for lateral tracking measurement
- Diameter determination

FullHD
1920 x 1080

VEHICLE EXTENSIONS



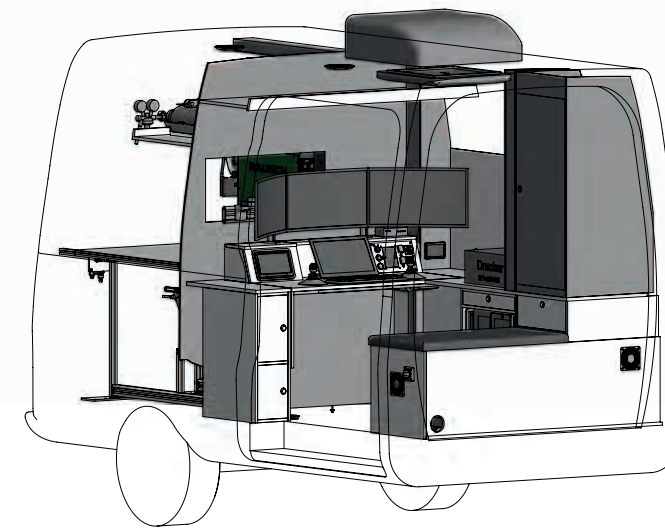
LIGHTWEIGHT CONSTRUCTION

- Vehicles with a wheelbase of 3,600 mm
- Lightweight construction with innovative honeycomb technology
- Even when fully equipped, their weight is only 3100 kg, including the groundbreaking modular M-Series system and lithium-ion battery power supply

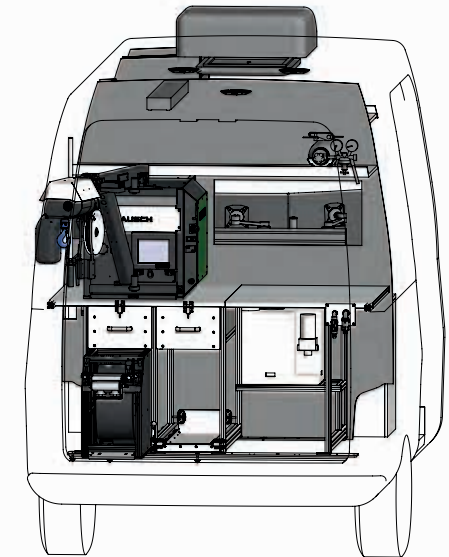
INDIVIDUALLY DESIGNED AND EXPANDABLE

- Fine-tuned to different needs
- Integrated personal safety device
- Box-type vehicles or box-type conversions with a longer wheelbase. For increased space requirements, such as for additional high-pressure flushing units or joint- and reach tests

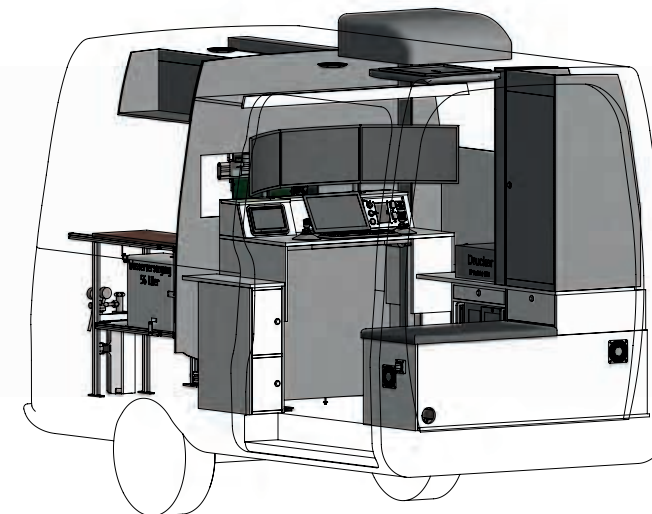
STANDARD FINISH



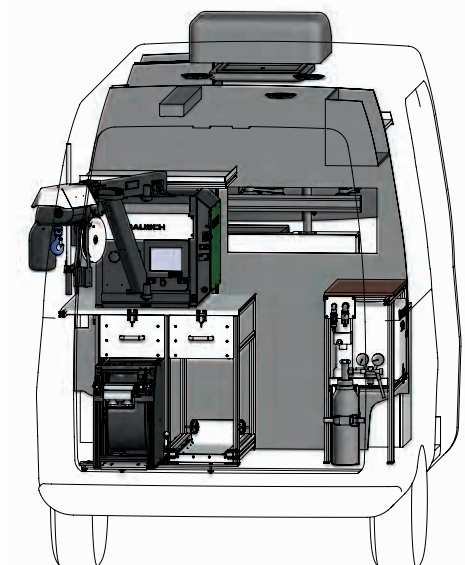
VEHICLE **WITHOUT PASSAGEWAY**



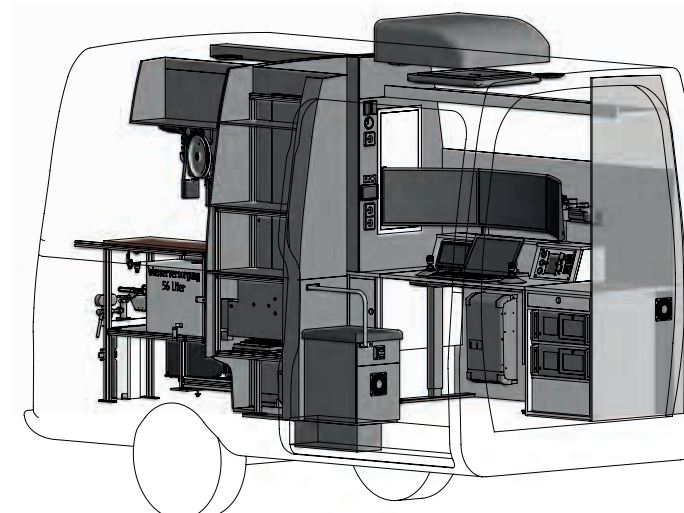
to the 3D model



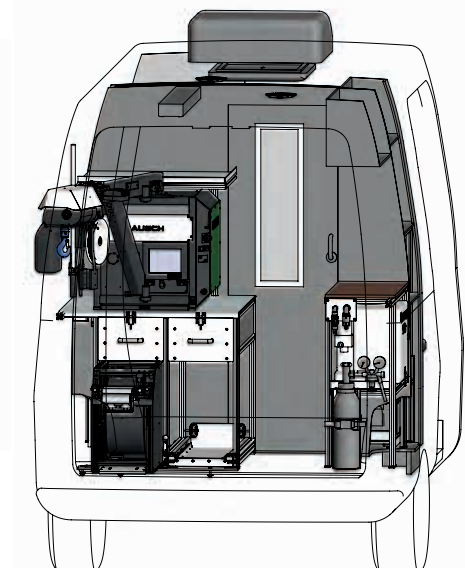
VEHICLE **WITHOUT PASSAGEWAY + ACCESSIBLE REAR AREA**



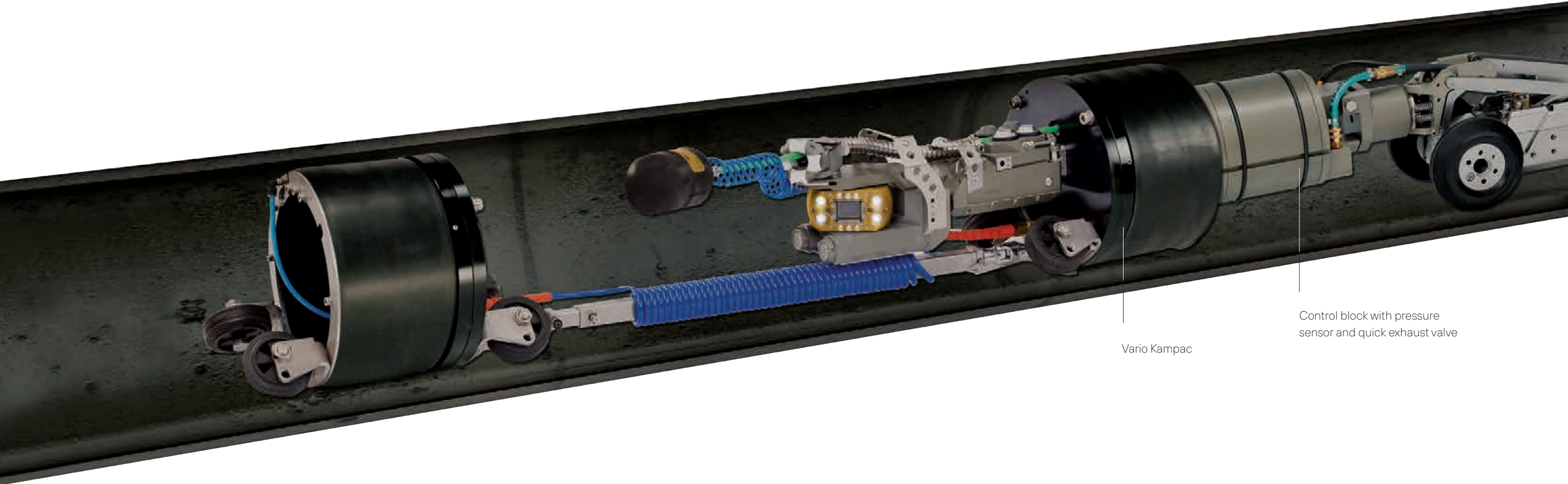
to the 3D model



VEHICLE **WITH PASSAGEWAY**



to the 3D model



Vario Kampac

Control block with pressure sensor and quick exhaust valve

PREMUS AND KAMPAC

Our leak testing systems are designed in accordance with national and international requirements. Depending on your requirements, we offer stand-alone units or we configure a complete installation version. Our PipeCommander software controls, monitors, evaluates and documents all test procedures.

PREMUS 600

- 70 – 2500 mm
- Vehicle installation version for the reach test
- Testing using air, water or vacuum for pipes, manholes and separators

VARIO KAMPAC

- Leak test of pipe sections and house connection integrations
- 200 – 600 mm
- Test packers are telescopic connected
- Packers are positioned through the modules of the M-Series
- With the SKM 135 feed module, the shut-off valve is positioned in the house connection and pushed in up to 7 meters

KAMPAC

- For single joint testing
- 200 – 600 mm
- Pneumatically operated hose drum
- Control block
- Multi-range test packers with lens glasses
- Optionally length: 100 mm or 200 mm
- Test using both air and water
- For positioning a pan and tilt camera is installed
- Variable collar pressure from 1.5 – 4.5 bar
- Quick exhaust valve
- Variable test pressure up to 500 mbar

JOINT TESTING



APPLICATION RANGES

Kampac · Vario Kampac · Premus

INSPECTION	WITH
Joints	Air and water
Reaches	Air, water or vacuum
Manholes	water or vacuum
Separators	water
House connection integrations	air or water



PIPECOMMANDER

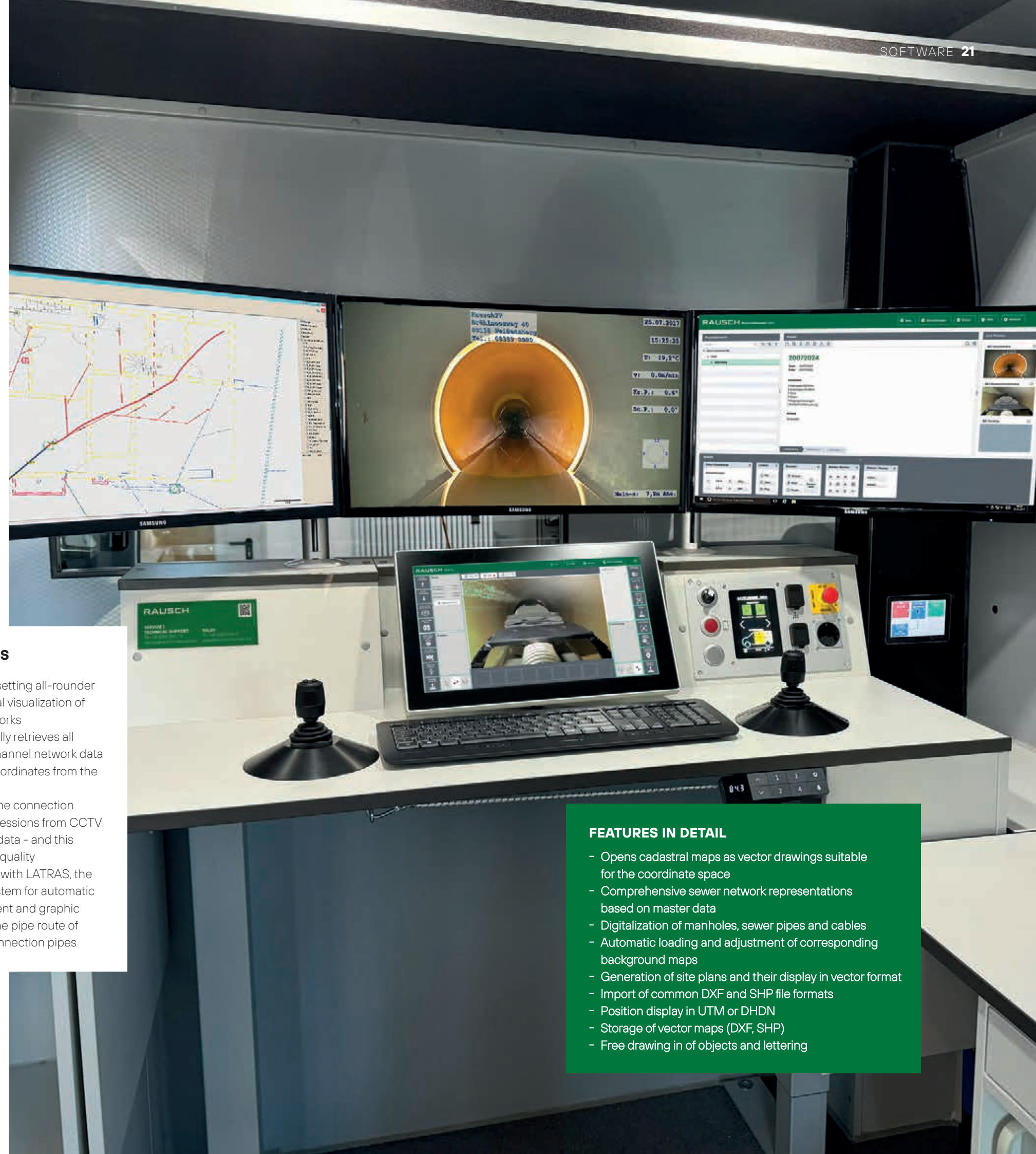
- Innovative features for working as effectively and flexibly as possible
- Vehicle acquisition software
- Office version for administration
- Post-processing and transfer of test data
- Various extensive reporting functions
- With all current guidelines such as IsyBau 2006 and DWA M149-2, based on DIN EN 13508-2
- Common standards such as EN 1610 or DWA A-139 and also DWA M149-6 are supported for leak testing of chambers, pipes and pipe connections
- The DIN 1999-100 and DIN 4040-100 standards apply to the separator test
- The free viewer version lets you easily pass on all inspection data and films to end customers
- All relevant master data and inspection results are recorded
- Data can be easily edited and exported at any time
- Clear menu structure
- Inspection results can be retrieved in the form of videos, photos, logs and statistics

FACTS

- Inspections of reaches, connections and manholes
- Powerful, configurable customer and project management
- Real-time data insertion in the video image of all inspection-relevant data such as video counter, path lengths or damage incidents
- Macro control for camera and crawler
- Hardware-supported image digitization
- Integrated, constantly updated standards and code catalogues
- Free viewer version with all inspection data, images and films
- Configurable report generator for generating detailed reports
- Professional data management:
Various project data from PipeCommander and SmartCommander can be imported, merged and edited in the office version.
- Data exchange through IsyBau 96/2001 and IsyBau 2006, 2013 and 2017 interfaces

PICOMAPS

- The trend-setting all-rounder for graphical visualization of sewer networks
- Automatically retrieves all available channel network data with geo coordinates from the database
- Visualizes the connection cable progressions from CCTV inspection data – and this in best 3-D quality
- Automated with LATRAS, the locating system for automatic measurement and graphic display of the pipe route of building connection pipes



FEATURES IN DETAIL

- Opens cadastral maps as vector drawings suitable for the coordinate space
- Comprehensive sewer network representations based on master data
- Digitalization of manholes, sewer pipes and cables
- Automatic loading and adjustment of corresponding background maps
- Generation of site plans and their display in vector format
- Import of common DXF and SHP file formats
- Position display in UTM or DHDN
- Storage of vector maps (DXF, SHP)
- Free drawing in of objects and lettering

MAINLINE SEWER INSPECTION

135 – 3000 mm

The crawler FW135 is the base for mainline- and lateral launch inspection with only one crawler from 135 up to 3000 mm

OPTION:
ATEX 

COMBINATION



CRAWLER FW 135

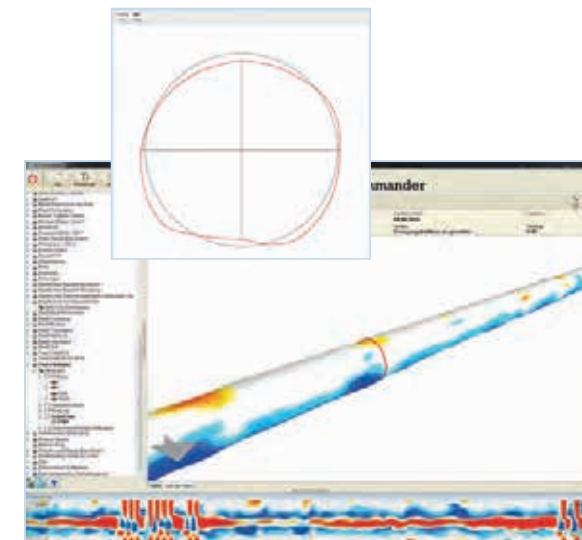
- 135 – 1600 mm
- Extension with Lafette up to 3000 mm or 118"
- Manual/automatic steering function
- Stepless automatic reverse drive due to reversing mechanism
- Camera quick connect
- Electric lift
- Rear view camera
- Inclination sensor
- Temperature measurement
- Internal pressure monitored
- Option: M series for Lateral launch

CAMERA KS 135 HD

- 135 – 3000 mm
- Pan and tilt camera
- Resolution HD: 1920 x 1080 Pixel
- Resolution SD: over 530 TV lines
- 2 laser diodes for precise measurement
- Zoom: 10x optical and 12x digital
- Wireless additional lighting
- Option: variable camera head turning speed for deformation measurement
- Lens with automatic iris, auto focus, manual focus
- Internal pressure monitored

DEFORMATION MEASUREMENT

- Option scanning function:
- Deformation measurements of complete reaches with visual representation of the deformations
 - Selective evaluation of deviations
 - Diameter determination



MAINLINE SEWER INSPECTION

100 – 600 mm

MEASURING FUNCTION

Thanks to integrated laser diodes, the digital pan and tilt camera KS 60 HD is in addition capable of doing precise diameter and damage measurements.

OPTION:
ATEX



COMBINATION



CRAWLER FW 90

- 100 – 600 mm
- 3 drive axles
- Manual/automatic steering function
- Stepless automatic reverse drive due to reversing mechanism
- 30° bends from 150 mm
- Camera quick connect
- Mechanical camera height adjustment
- Electric lift gear
- Rear view camera
- Inclination sensor
- Temperature measurement
- Additional lighting
- Internal pressure monitored



CAMERA KS 60 HD



- 100 – 600 mm
- Pan and tilt camera
- Resolution HD: 1920 x 1080 Pixel
- Manual and automatic focus control
- 2 laser diodes for measurement
- Multiple zoom
- Integrated positioning: 33kHz and 512 Hz locating
- Integrated 3D sensor for LATRAS
- Internal pressure monitored

M-SERIES

from 135 mm

M-SERIES 27

With the M-Series, CCTV inspections of mainlines as well as building connection lines can be conducted from the mainline in one single operation.



COMBINATION



SATELLITE SYSTEM WITH PM 135

- 135 – 1200 mm
- Crawler FW 135 with electric lift
- Pan and tilt camera KS 60 HD
- Inspection of house connections
- Additional camera module ZKM 135
- Feed module SKM 135
- Tilt and positioning module PM 135

INTEGRATED LATRAS SENSOR



SATELLITE SYSTEM WITH PKM 200 HD

- 200 – 1800 mm
- Crawler FW 135 with electric lift
- Pan and tilt camera KS 60 HD
- Inspection of house connections
- PKM 200 HD to ensure the exact positioning of the lateral launch camera and inspects mainlines from 200 mm

JETTING SYSTEM

Parallel cleaning and inspections of the lateral connection directly from the mainline.



OPTION:
ATEX



As an option, all modules of the M-series are available in Ex-protection version according to directive 2014/34/EU.

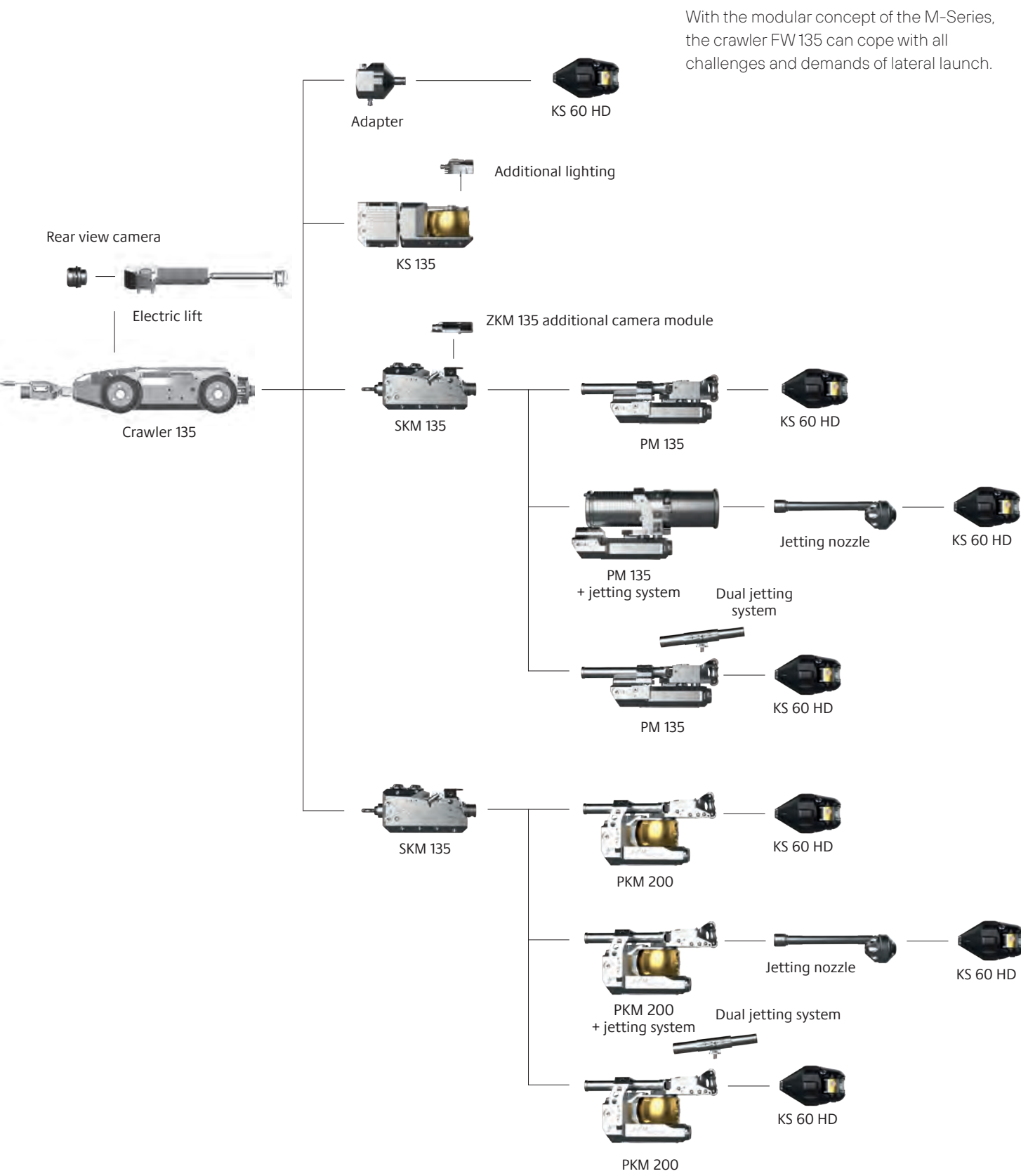
DUAL JETTING LATERAL SYSTEM

The dual jetting lateral system of the M-Series for cleaning lateral connection before the inspection.



M-SERIES

from 135 mm



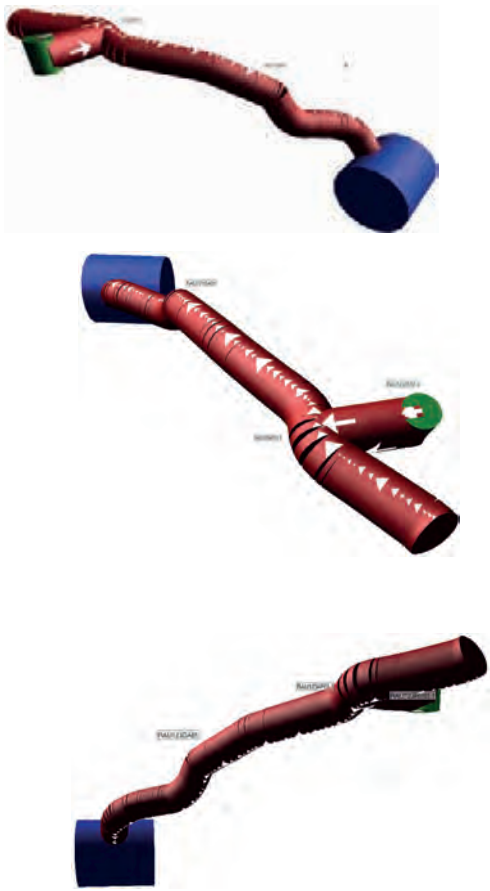
LATRAS

3D inspection with integrated sensor in the camera head

This sensor locating system for automatic measurement and graphic display of the pipe routing of lateral connection pipes is used with the proven KS 60 camera with integrated 3D sensor. These xyz coordinates are permanently registered in parallel with the inspection and allow the line routing to be automatically recorded simultaneously and without significant additional effort for the inspector and displayed in the PicoMaps map module.

LATRAS

- Integrated LATRAS sensors in the camera KS 40 and KS 60
- Feed technology with push or flush operation possible
- Determination of direction and inclination angles
- Distance measurement via incremental encoder with an error accuracy of less than 0.5 %
- Online progress measurement in PicoMaps with xyz coordinates
- Measurement recording possible during forward and reverse drive
- Recalibration of the measurement result via endpoint determination
- Location probe optional with transmission frequency of 512 Hz or 33 kHz
- Operation on Rausch satellite systems
- Push operation possible
- Operation on Omicron possible



Interactive 3D view possible.
Three examples above.

ADD-ON MILLING ROBOTICS

Inspection and rehabilitation using a connectable milling robot RCC 200.

The RCC 200 is a modular milling robot designed for pipes from 200 to 1000 mm in diameter. The robotic arm has four degrees of freedom and can rotate continuously. Tools can be changed quickly, whether using the air motor for milling or the high-pressure water nozzle for intensive cleaning.

A full HD pan & tilt camera ensures precise control at all times. Switching between CCTV inspection and milling is simple — just reconnect the cable and the system changes mode quickly and without tools.

Even when fully equipped, the base vehicle remains under 3.5 tonnes, ensuring flexibility in urban environments.



CCTV INSPECTION

Compatible with
Rausch Premium + Rausch Comfort

- Quick to connect
- Versatile in application
- Tool-free installation / removal

RCC 200 BASIC

RRV1 HD CAMERA



COMPACT CONNECTOR

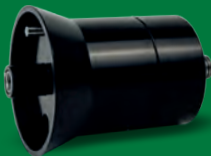
RCC 200 AIR MOTOR



- 1700 watts
- Ø: 69 mm
- Direct drive motor



- 800 watts
- Ø: 59 mm
- Direct drive motor



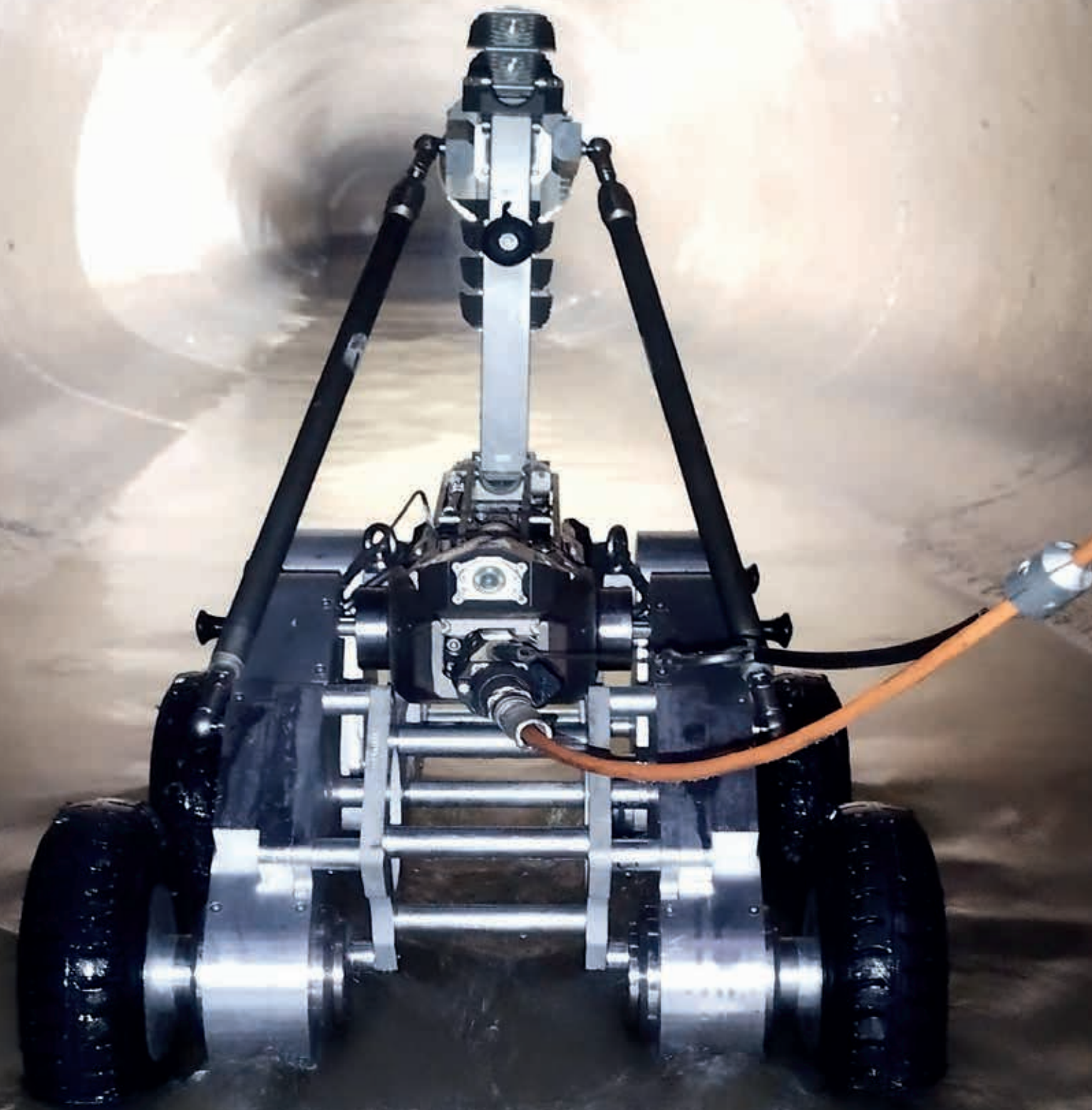
- 800 watts
- Ø: 59 mm
- Engine with gearbox

RCC 200 WATER HIGH-PRESSURE

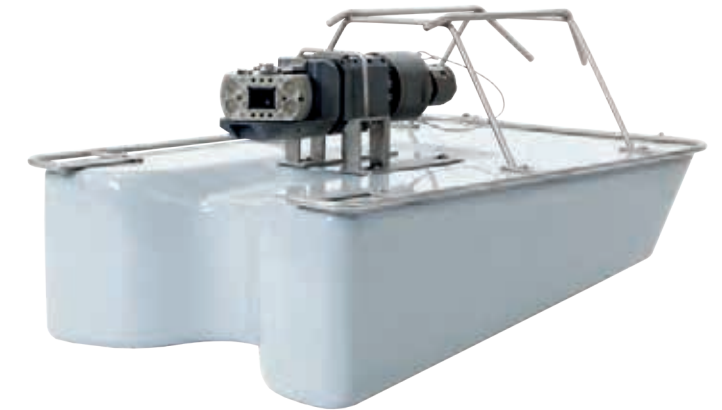
NOZZLE



- Aluminum housing
- 500–3000 bar
- Lightweight: 1050 g
- Ø: 49 mm



LAFETTE
For inspections
up to 3000 mm



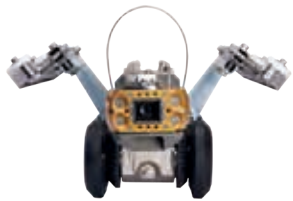
CAMERA RAFT

Application range from 600 mm for transporting a KS 135 through large water-bearing profiles.



ADAPTER MAIN CABLE

Used for walk-in sewers with optional audio transmission. Multifunctional for shaft inspection and camera raft manhole.



Attachment for egg shaped profile
from 200/300 mm up to 900/1350 mm



Rear view camera
Application range from 150 mm



Additional weights
from 150 mm 1,5 kg
from 200 mm 6,6 kg



Wheels
Suitable wheels for all pipe diameters and conditions.



Height extension
For centered camera position in larger diameters.



Electrical lifting gear
Continuous camera positioning from 150 mm.



KS 60 Adapter
For mounting the KS 60 camera on the 135 crawler.



Adapter main cable
Used for walk-in sewers with optional audio transmission. Multifunctional for shaft inspection and camera raft manhole.



Camera centring for KS 60 camera



PIN-Set for KS 60 camera



Jetting nozzle



Pressure filling system



Deflection pulley



Rain and sun protection canopy



Radio remote control



SAT 42

I-LOOK SEWER CAMERA



EFFICIENT CAPTURE

The mobile, battery-operated I-Look Full HD inspection unit enables the immediate assessment of the condition of wastewater pipes.

Even remote manholes and sewers can be reached thanks to the compact transport case.

Even low-lying pipes can be easily inspected from adjacent manholes thanks to the 12-meter-long pole.

The image and video documentation can be used to plan inspection resources more efficiently and prioritize further measures.

Thanks to the heated sapphire lens, the I-Look Full HD delivers razor-sharp images even when there are large temperature differences.

TECHNICAL HIGHLIGHTS

- Full HD channel mirror incl. transport case
- Accessories: 3 rechargeable batteries, charger and accessories
- Pressure-monitored full HD camera in aluminum housing (IP68)
- 30x optical and 12x digital zoom, electric tilt incl. safety slip clutch
- Distance measurement via laser
- Sapphire glass incl. front glass heating (no fogging)
- Data acquisition on Android tablet

PUSH SYSTEMS.

AXIAL from 40 mm

mC80
mC50 | DUO
mC30



360° from 70 mm

mC360
mC360compact



MINCORD from 15 mm

minCord XL
minCord 5



mC80

from 70 mm

PUSH SYSTEM FOR LONG DISTANCE

The standard push cable length of the mC80 is 130 m and assures a very comfortable manhole-to-manhole pipe inspection for pipes diameter from 70 mm.

- 55 mm axial camera with permanent upright image/self-leveling
- 130 m flexible push cable
- 90° bends from 100 mm
- Sunlight-readable 8"-display
- Battery life of 2 – 3 hours



mC50

from 70 mm

COMFORTABLE INSPECTION

- 55 mm axial camera with permanent upright image/self-leveling
- 60 m flexible push cable
- 90° bends from 100 mm
- Sunlight-readable 8"-display
- Battery life of 2 – 3 hours

mC30

from 40 mm

FOR THE MOST CONVENIENT INSPECTION IN OR AROUND THE HOUSE

The mC30 enables an easy inspection of pipes from 40 mm diameter. Perfect for the inspection of all pipes for residential areas.

- 29 mm axial camera with permanent upright image/self-leveling
- 30 m flexible push cable
- 90° bends from 50 mm
- Sunlight-readable 7"-display
- Battery life of 2 – 3 hours



mC50Duo

from 40 mm

- 29 / 55 mm axial camera with permanent upright image/self-leveling
- 20 / 60 m flexible push cable
- Two reel basket
- 90° bends from 100 mm
- Control unit with function keys and variable light regulation
- Sunlight-readable 8"-display
- Battery life of 2 – 3 hours



mC360

from 70 mm

PAN & TILT CAMERA INSPECTION SYSTEM

With our intelligent pan & tilt camera inspection system you will reach easily even the remotest corner. The minCam 360 is one of the smallest cameras in this segment, pipes from 70 mm diameter can be inspected.

- Pan & tilt colour camera head with 50 mm diameter
- 60 m flexible push cable
- 90° bends from 80 mm
- Compatible with axial camera heads
- Sunlight-readable 8"-display with text generator



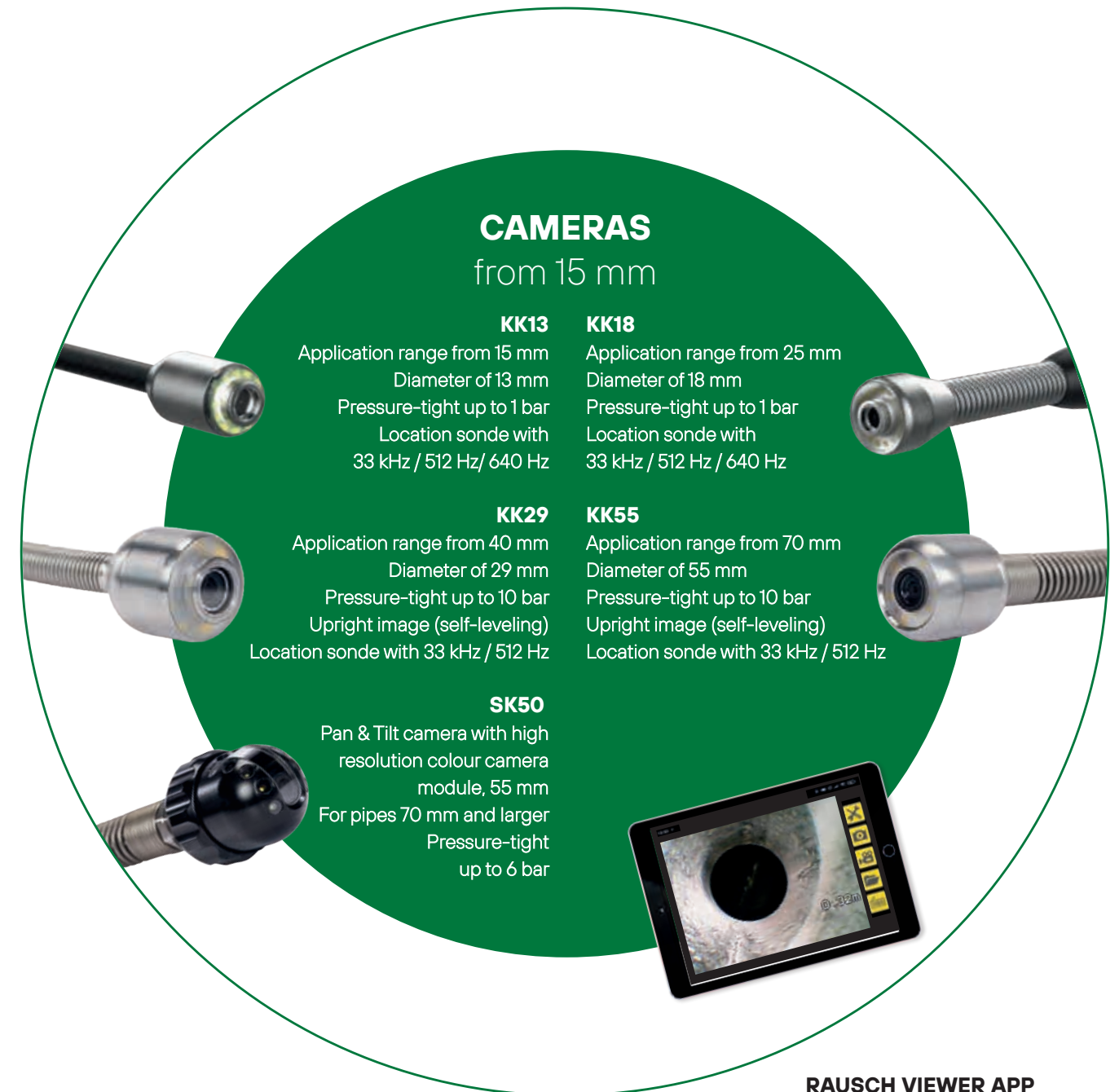
mC360compact

from 70 mm

COMPACT PAN & TILT CAMERA INSPECTION SYSTEM

This compact inspection system enables the entry into the camera head technology. The compact all-rounder allows many more options, even with an extra axial camera heads.

- Pan & tilt camera head with 50 mm diameter
- 40 m flexible push cable
- 90° bends from 80 mm
- Sunlight-readable 7"-display



RAUSCH VIEWER APP

User interface of minCam viewer app for recording of photos and videos including text generator.

minCord 5

from 15 mm

SMALL AND COMPACT: DESIGNED TO REACH EVEN THE MOST DIFFICULT-TO-REACH PLACES

Non-destructive inspection enables you to inspect even the tightest spaces and saving costly disassembly. Tubes, cavities, welding seams, turbines, hollow profiles and castings. At the same time, the cameras are so robust that they can easily withstand the harsh field conditions. In this way you locate all surface damages, cracks, sediments and deteriorations with minimal effort.

- 13 mm axial camera
- 15 m flexible push pull cable
- 33 kHz / 512 Hz / 640 Hz locating sonde
- 90° bends from 25 mm
- Sunlight-readable 5"-display
- Battery life of 5 – 7 hours



minCord XL

from 15 mm

INSPECTION SYSTEM FOR SEWERS

The minCord XL is used to inspect pipes ranging from 15 mm diameters. The complete camera system ensures an optimum view. Individual applications in buildings and industry.

- 13 / 18 mm axial camera
- 30 m flexible push pull cable
- 33 kHz / 512 Hz / 640 Hz locating sonde
- 90° bends from 25 mm
- Sunlight-readable 7"-display
- Battery life of 5 – 7 hours



TROLLEY WHEELS FOR MC50 AND MC360

Wheels for easy transport of the system mC50 and mC360.



BACKPACK FOR MC30 AND MC360 COMPACT

Backpack for easy transport of the system mC30 and mC360 compact. Especially for climbing up ladders or more floors.



ROLL-IN DEVICE

Turning mechanism to turn in laterals for the pan and tilt camera SK50.



POWERBANK

Adapter for Makita batteries to extend battery life for 3 hours.

MILLING ROBOTICS.

RRC1 MILLING ROBOTICS

Electro engine
Water high pressure
Air motor



+ VEHICLE ROBOTIC



The robotic system is a modular working platform that can be equipped with an electric milling motor, an air motor or a high-pressure nozzle.

A full HD pan & tilt camera provides clear visibility and precise positioning during operation.

With a compact design and working diameter from 200 to 1000 mm, the system delivers reliable performance across a wide range of applications. Additional modules are available for different connection types and operational requirements.



ELECTRO MOTOR

The crawler provides maximum stability and sturdiness due to its compact weight of 60 to 100 kilograms, even when applying ultra-high pressure of up to 2500 bar. Thanks to the electric motor combined with hydraulics, the RRC1 achieves a range of 250 meters that is unique on the global market. It can also rotate continuously during operation and is height-adjustable.



**CABLE DRUM
ELKA 600 RRC**

- Fully automatic cable drum
- Up to 300 m of cable
- Integrated observation monitor
- Telescopic swivel arm with chain winch
- Working spotlight for manhole illumination
- Easy vehicle installation



**RAUSCH-TAB:
CENTRAL CONTROL UNIT**

- Daylight-readable 12" touch display
- Integrated PC
- Robust aluminum housing
- Connection of two external joysticks
- Windows-based operating system

RRCURE 3000 V

Manhole
rehabilitation
system



RRCURE 2000

UV-systems



RRCURE 1500 COMPACT

UV-systems



RRCURE 100

UV-systems



INTENSITY MEASUREMENT

Intensity
measurement case



UV SYSTEMS

UV LIGHT SOURCE

RRcure 100 / RRcure 100 SE

Nominal width: DN 100 to DN 1000 (4"- 40")
Cable length: 120 m / 21 mm
UV lamp power: 6/8 x 400/600/1000 watts



RRLQ 100 - 350 RADIAL LAMP TRAIN

Nominal width: DN 100 to DN 300 (4"-12")
UV lamp power: 6 x 400 watts

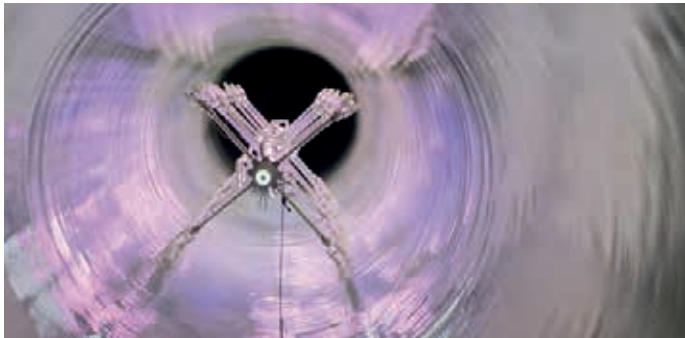


RRLQ 150 - 600 RADIAL LAMP TRAIN

Nominal width: DN 150 to DN 600 (6"-24")
UV lamp power: 8/9 x 400/600 watts

RRLQ 700 - 1000 RADIAL LAMP TRAIN

Nominal width: DN 700 to DN 1000 (28"-40")
UV lamp power: 8 x 1000 watts



RRLQ 700 - 1500 (1800) RADIAL LAMP TRAIN

Nominal width: DN 700 to DN 1500 (28"-62")
UV lamp power: 8/9 x 1000/1500/
2000/2500 watts

RRLQ Ext Core AXIAL/RADIAL LAMP TRAIN

Nominal width: DN 1400 to DN 2000 (56"-80")
UV lamp power: max. 9 x 3500 watts

RRLQ 3000 V MANHOLE LIGHT SOURCE VERTICAL

UV lamp power: 6 x 1000 to 3000 watts controllable
IR lamp power: 2500 Watt / 2 levels



RRLQ 3000 V



RRLQ MH Hybrid

RRLQ Hybrid MANHOLE LIGHT SOURCE FOR TRADITIONAL UV SYSTEMS

UV lamp power: depending from UV System
Light source can be adapted to various systems.

MANHOLE RENOVATION

RRcure 3000 V MANHOLE RENOVATION SYSTEM

Cable length: 40m/25mm
Control unit for the RRLQ 3000



UV Systems on trucks 15 - 22 t

- PTO or Stage V aggregate
- Expansion - turnkey
- Fan, solar power, battery system, heating etc.
- Expansion according to customer requirements

RRcure 1500 Compact

Nominal width: DN 150 to DN 1600 (6"-64")
Cable length: 250 m / 25 mm
UV lamp power: 8/9 x 400/600/1000/1500/
2000/2500 watts
Also available as a
plug-and-play solution!



RRcure 2000

Nominal width: DN 600 to DN 2000 (24"-80")
Cable length: 250 m / 32 mm
UV lamp power: 8/9 x 1000/1500/2000/
2500/3000/3500 watts



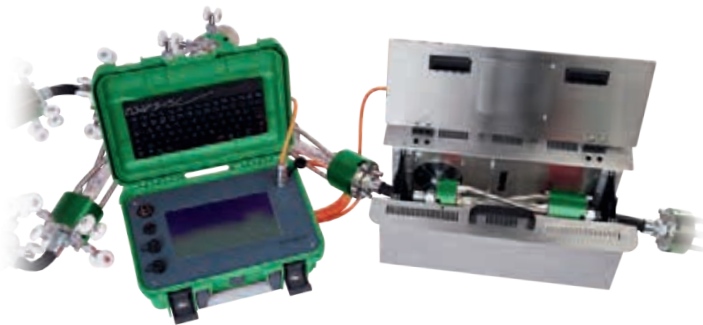
**INTENSITY MEASUREMENT KIT
RRCURE INT02**

- Suitable for construction sites
- Can measure all commercially available UV lamps
- Automatic measurement sequence
- Calibrated UV sensors (GaP & SiC)
- Supported by scientific research
- Internal memory
- Log output (pdf-cloud)
- (A) Direct measurement
- (B) Indirect measurement via external UV system
- (C) Indirect measurement via adapter



TEST OPTION A

Absolute measurement by integrated electronic ballast, 400 to 1200 watts



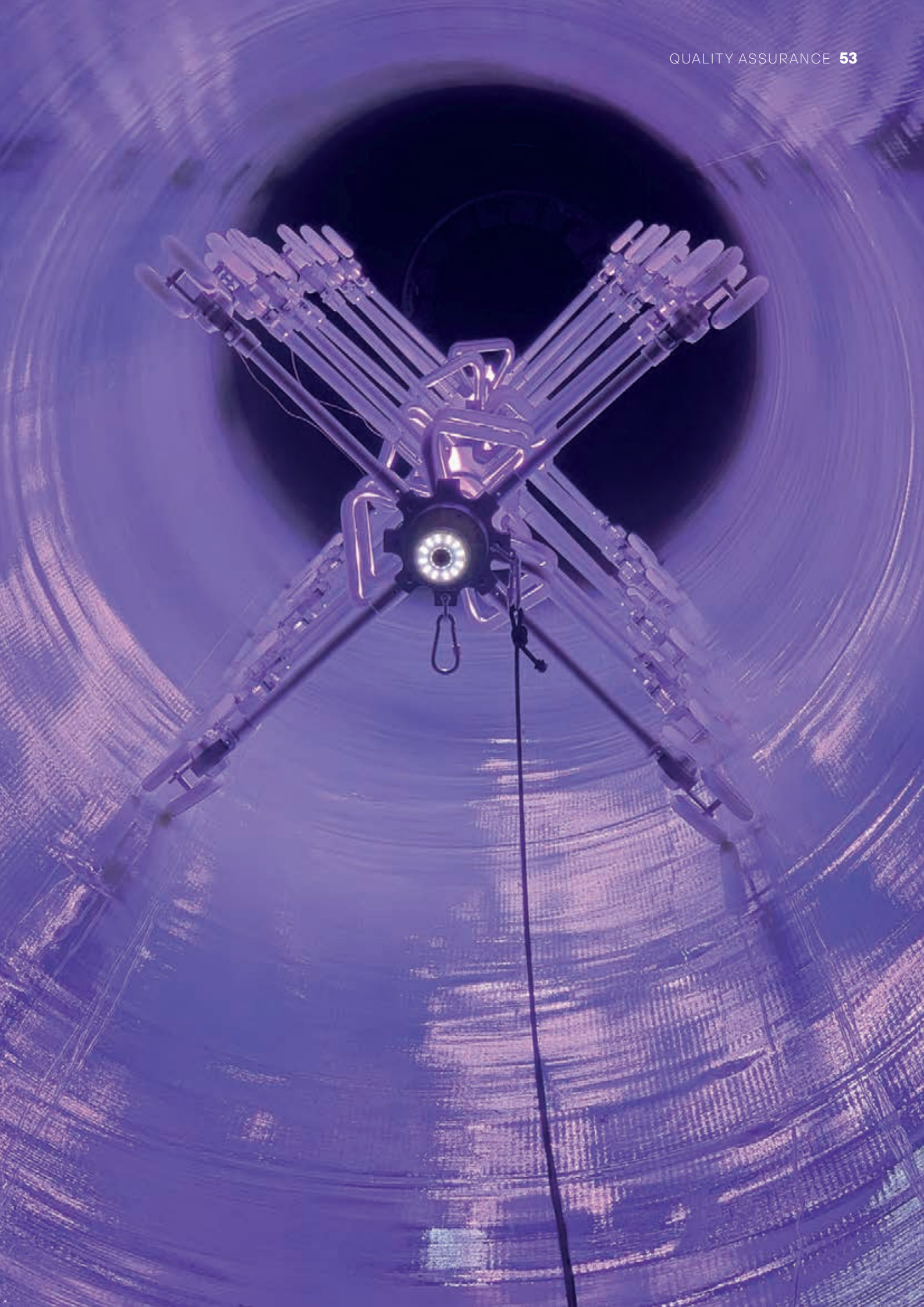
TEST OPTION B

Measurement of the light source operated directly by the UV vehicle



TEST OPTION C

Measurement of external emitters of UV cores



POWER SUPPLY UNIT

RRCURE POWER UNIT



The basic supply / control voltage is provided by the integrated battery pack and by means of an inverter.

If, despite the additionally installed solar system on the roof of the truck, the capacity of the batteries the integrated 5 KVA generator can take over the charging remove and the 230 V supply.



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