

RCA proline

PipeCommander

Data acquisition software for professional documentation of sewer pipe and manhole inspections inclusive recording of digital videos in MPEG 1/2/4 formats and picture digitising in JPEG-format. Extended functionality by additional modules like inclination, temperature, deformation measurement and measurement of defects.

3D-Mapping of pipes and branched laterals with manholes. Export interfaces in most frequent formats, configurable report generator to produce inspection reports in pdf format.

Viewer version:

Handover of the projects in a viewer version inclusive all inspection data, photos and videos. The viewer also contains an export function and a report generator.



Quick-Lock

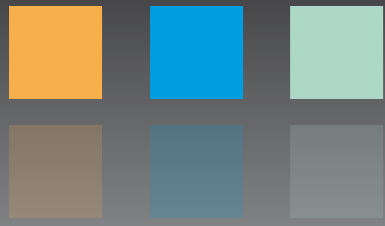
Pneumatic packer system for the installation of V4A-stainless steel sleeves from 150 – 800 mm. Mechanical system to install the internal sleeve without the use of any chemicals. For positioning, the packer is connected to the camera and crawler.



V4A-stainless steel sleeve with EPDM rubber.

The patented Quick-Lock mechanism allows the secure compression of the duroplastic seal.





rausch



RCA proline Systems

CCTV survey from 100 – 2000 mm operation up to a cable length of 550 m



RCA Proline Studio

- Control unit with automatic controls of crawlers and cameras
- Operator control panel with dirt resistant foil keyboard
- Multi function-Joysticks for the operation of camera and crawler
- PC with software PipeCommander for documentation and defects measurement with printer & monitor
- Recording of MPEG 1/2/4 digital videos as well as picture digitising
- Power supply through generator or maintenance free gel batteries (additional charging unit possible)
- Optional EX-approval according to European standard RL 94/9/EG



Rear room

- Floor in stainless steel
- Full automatic and synchronized cable drum
- Main cable drum ELKA 600 with telescopic swivel arm, electrical unwind assistance and integrated chain winch (20 m) and integrated LCD monitor for the camera picture
- Compressor, air pressure tank for Kampac-joint test system and Quick-Lock V4A-Liner (Optional)

Photos:

Studio und rear room with special assembly of the satellite system of the M-series for the survey of main lines and laterals starting from 135 mm

SATELLITE SYSTEM M 135

- Application with special wheels from 135 mm, inspection with electrical lift already from 150 mm
- Module SKM 135 with roller drive to advance the push cable and the lateral camera KS60 CL
- Observation colour camera ZKM 135
- Module PM 135 with power-LED lighting for the exact positioning of the lateral camera



KS 135 Scan - SI



Manhole inspection with the main camera KS135 in accordance to EN13508-2. Camera guidance via a telescopic rod from the cable drum ELKA 600.



REMOTE CONTROL

Radio frequency remote control for all CCTV functions such as

- Control of the chain winch
- Camera controls
- Crawler controls
- Lighting regulation and others

L 100 Cross with KS 60 CL



- Steerable camera crawler from 100 – 500 mm
- Cable free quick connectors to fix the camera KS 60 CL (90° foldable)
- Mechanical height adjustment of the camera
- 3-Axis driven up to 150 mm
- Pluggable power-LED as additional lighting
- Optional location transmitter
- Optional EX-approval according to European standard RL 94/9/EG

L 135 with KS 135 SCAN



- Steerable crawler with electrical lift from 150 mm
- Pan and tilt camera with automatic upright picture adjustment & power-LEDs
- 10x optical zoom, 12x digital zoom
- Application 135 - 2000 mm with additional wheel sets and lighting

Optional:

- Deformation measurement with integrated laser system
- Measurements of defects, temperature and inclination measurement
- Location transmitter

M-SERIES JETTING SYSTEM

Extension for the satellite system to allow cleaning of laterals from the main line, application from 150 mm, to be connected to a high pressure unit.

