Catalogue
Camera systems

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Representation for the Czech Republic:
www.ibos.cz
OVERVIEW OF REVI PRODUCTS COMPATIBILITY
Portable colour monitor device is designed for home drainage including all DN 50 to DN 300 plugs. Reinforced cable enables manual inserting. Most frequently, the technology is used by cleaning and service duct monitoring companies or by drainage service companies. The water-tight Pely control boxes are available in 3 versions - USB output, SD memory card or PC. The camera head is fitted with “Rolmatik – artificial levelling” system and sapphire cover glass in front of optics. The winder includes an integrated brake and electronic devices, e.g. for meter measurement.

The REVI 250 socket camera is fitted with a rotary and tilting camera head. The camera head can be easily exchanged with the R250 standard axial camera head, using a connector. The swing and spin is controlled using a touch joystick in the control box, which also features an “intelligent control system” for controlling the entire system (zero position, automatic camera views, etc.)
REVI 350

Socket camera, body with handling wheels, winder capacity up to 100 m, optional winding of 7 or 9 mm socket cable.

The control box – Reboss can be fitted to the upper section of the winder.

REBOSS

Compact control box for working with REVI and CamBoss camera systems. Components: 10” LCD monitor, digital video recorder with SD memory card interface, keyboard, distance measuring card, ReBoss electronic unit, date, time and distance indicator. Video out. Possible connection of external digital camera. This control box can be fastened to pluggable cameras REVI 250 and REVI 350.
This self-propelled system is designed for monitoring of DN 100 – 300 piping; it is controlled with the same control box and cable winder as REVI 550, i.e. it is possible to deliver only the camera carriage with the head (which is also compatible with REVI 250 ROTARY). Such compatibility of individual systems results in significant cost saving in monitoring technology procurement. The REVI 300 carriage uses two motors, which enables turning.

Self-propelled and portable camera system designed for monitoring of DN 150 - 800 piping. The camera is often mounted to preconfigured vans and can be removed from the van or operated independently of the van. The system offers a lot of accessories according to customer’s request; the basic kit includes the camera carriage with rotary and swing head, automatic winder and PC control box.
**REVI 800**

The system is designed for bore monitoring with diameter 150 - 800 mm. The camera head is lead to the bore hole on a pulley seated on a tripod stand. It is a stainless steel camera head rotating along separate axes. In the front of the camera there is a camera module which is designed for vertical view. A second camera, positioned in the angle of 90 degrees to the front one, provides a side view. Switching between the front and side view is available on the portable suitcase device. The bore condition is continuously displayed on the screen with an immediate CD/DVD recording or with a possibility of photo documentation. The bore hole depth is measured with an OSD CCK measuring digital card.

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**REVI 1200**

Top class of monitoring technology. The system is in-built in a van exclusively designed for monitoring of DN 200 – 1200 piping. Cameras are delivered with full sewer software with outputs according to applicable standards. The in-built system is designed for vehicles up to 3,500 kg.

The technical specification, optional accessories are always provided on the basis of direct customer requirements. REVI 1200 is available also as a portable device not fixed in a vehicle.
The specially designed system can be fitted on a camera carriage or between the camera body and the head. Measurement is performed by precise red light sensors (not dangerous in case of accidental contact with eyes). The resolution is 0.5 mm, measurement is performed at 4 points (vertical and horizontal axes). In case of measurement head deflection from the pipe centre this deviation is compensated using a special algorithm. The result is displayed on-line and the pipe ovality chart can be displayed on the basis of the measurement result. The measurement range is DN 200 – 800. This device allows identification of ovality in any section of the sewer. Any measured values can be processed in the DigiCAN sewer software.
OVERVIEW OF CAMBOSS PRODUCTS COMPATIBILITY

- CamBoss control unit
- CamBoss control unit (for additional lights)
- MN 200 cable reel
- NA VI cable drum
- Crawler sonde
- BOSS 150 chassis
- BOSS 150 4x4
- BOSS 150 6x6
- BOSS 100 chassis
- BOSS 100 6x6
- BOSS 100 lights holder
- BOSS 100 additional lights
- CHT200 pantograph and lights
- CHT200 pantograph and lights
- GNTR200E pantograph and lights
- KZ75 antenna
- KZ75CB
- KZ90CB
- OVLT C200A Ovality module
- BOSS 100 additional lights
- REVI 100 cable reel
- REVI 250 push rod reel
- REVI 350 push rod reel
- R250 sonde
- Flexible spacer
- K25 antenna
- K25 antenna
- R250
- REVI 250 push rod reel
- REVI 350 push rod reel
- R250 sonde
- Flexible spacer
CAMBOSS 100
6X6

The carriage is equipped with 6 x 6 drive allowing turning; 2 motors 20 W each; brass, weight app. 10 kg for DN 100 – 300, including 1 set of basic wheels D 65 and D 100 kit. Pressure proof up to 1 bar. Hook for lowering into a shaft. Designed for camera with swing head K75.

CAMBOSS 150
4X4, 6X6

A new camera system series. The CamBoss system is available as portable, or firmly integrated in a vehicle. It is designed for use in DN 150 – DN 1000 piping. The CamBoss camera tractor has two motors, which enables turning and controlling, the camera head is installed on a high-lift pantograph that enables lifting the camera up to the pipeline axis. The camera tractor is also equipped with a reverse camera, LED lighting and additional chassis for large pipeline diameters. The CamBoss reel can be supplied with the cable length from 200 to 500 m. It is a fully automatic reel, the mobile version of which is equipped with handling wheels and extending handle. In case of the integrated camera, the reel can be fitted with a lowering arm for the camera carriage. The control box (or integrated panel) is PC controlled, and has all the necessary software including DigiCAN sewer software.
REJET

A combined built-in of the cleaning and camera system — the built-in is placed in a van, e.g., VW Crafter, M.B. Sprinter, etc. The HydroJet adjusted to the size of the van is used as a high-pressure device and a REVI 550 camera is installed in the second half of the van. The area between the camera and the back space is used as an office — a camera operator’s workplace.

REMAX

Professional equipment designed for work in DN 50 – 400 mm. This type of machine is driven by auxiliary drive of the chassis (Mercedes Sprinter, VW Crafter); it is popular for its practicability, lower fuel consumption, lower weight load of the chassis, handling, quiet run, etc. It is equipped with a remote control and is usually installed on vehicles together with independent Webasto heating; the entire loading area is heat-clad and lined with aluminium sheet with polyurethane, water-resistant floor.
IBOS operates as an exclusive representation in the Czech Republic and Slovakia for monitoring camera software of the following brands:

- DIGICAN
- WINCAN

The device is ready for connection to REV box through which it is controlled.
PIPING AND SEWER PRESSURE TESTING CASE

This device is used for pressure and air leakage tests of piping and sewers; the control unit including a PC with software which evaluates leak tightness on the basis of predefined values.

PRO-KASRO ROBOT PIPE MILLING AND REPAIRS

Special sewer technology designed for repairs inside piping, milling, cutting, opening and insertion of branch lines, works after renovation in piping etc. The system is available in two basic versions: portable or integrated in a pre-configured vehicle. The final configuration is specified by the customer; the system is custom made.
UV SYSTEM
UV SYSTEM FOR LINER HARDENING

The newest technology for piping repair using special liners (sleeves) inserted into a pipe, expanded by blowing and hardened by UV radiation. It enables a very rapid and efficient execution of damaged piping repair. Our company operates as an exclusive representation in the Czech Republic and Slovakia for the UV liners of Brandenburger brand.

DETECTOR + PROBE

Detectors are often used for beeping, routing and detection of piping defects. A probe is fitted to the REVI camera. The camera is inserted into the piping and if a defect is detected in the piping the detector identifies its location within the terrain which facilitates potential excavation works for the purpose of repair. In addition the detector is capable to detect low voltage and telephone cables which is very practical for planning of excavations before piping repair.
Do you intend to purchase sewer technology?

Call for our technology demonstration and we will be happy to come with our demonstration vehicles and show you all we can.

You will have the opportunity to test high pressure machines HydroJet and Hydro-Max, monitoring devices REV 50, REV 250 and REV 550, and experience the sharp picture transmitted from these sewer cameras as well as their sensitive control. You may try to operate the control software DIGICAN, Canalyse or WINCAN. We will show you how easy it is to maintain our sewer technology and many other things.

Vehicle demonstration can be booked at:

• Representative for Bohemia
  Phone: +420 606 646 140

• Representative for Moravia
  Phone: +420 774 043 531