C-TEC PIPELINE CRAWLER TYP C150

1.1 C-TEC Pipeline Crawler TYP C150

DRIVE UNIT

The drive unit consists of a robust stainless steel construction with couplings to attach the car battery and the radiation source. By extensions and adapters the crawler can be set up to the respective tube diameter.

The movement is given by a four-wheel drive, which transmit the torque from the DC- motor over a low-maintenance chain to both axes. The contact pressure takes place by its own weight and the vertical load from the tube chassis and from the car battery.

1.2 Crawler with Isotope camera

ELECTRONIC CONTROL

Wherein the electronic control system is a microprocessor controlled PLC circuit with a current consumption of about 100 mA. The crawler can be operated from the outside with the help of an isotope or Magnetic conrol device. There are two externally selectable exposure times.

All control components are replaceable easily, since they are. In case of repairs no loosening or soldering of cables will be required. Motor and electronics are constantly monitored for overcurrent. With a modular connector system a change between a X-Ray Tube or an Isotope-camera is easily done. An automatic reversing time can be programmed before entering the pipe, this is also done via touch in 2 minutes Steps. An extension or modification of the software is possible (if necessary) at any time (Update Service).

- no Radiation
- hand operation
- wallthickness up to 30 mm
- LED-display

1.3 Magnetic control device

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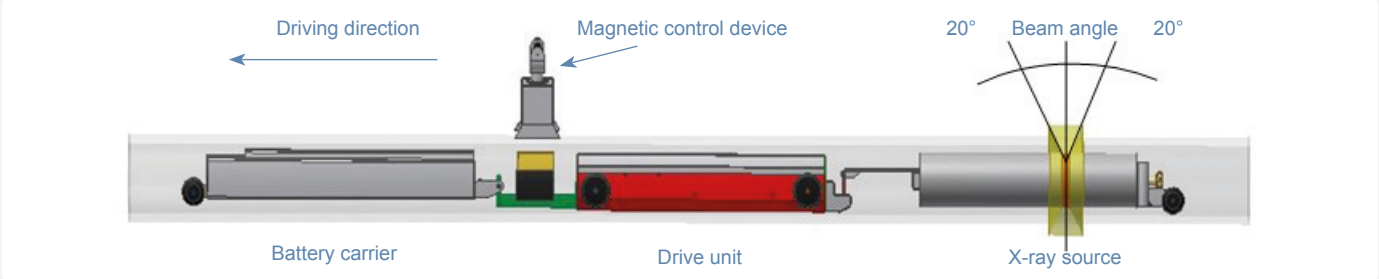
C-TEC SYSTEMTECHNIK

TECHNICAL SPECIFICATION

X-RAY TUBE	ICM SITE-X C1803, 50 – 180Kv, 1-3 mA, each adjustable
BATTERY PACK	48V 7Ah ab 200 mm 48V 12 Ah (alternative)
DRIVE BATTERY	24V 4,5 Ah
DRIVE MOTOR	permanent DC-motor 24V 240 W
ISOTOPE CAMERA	Iridium 192 oder Selen 75 (optional)
LENGTH OF CRAWLER	2300 mm
WORK RANGE	150 – 400 mm Pipe diameter (6 – 16 Inch)

WEIGHT OF COMPONENTS

BATTERY CARRIER	20 kg
DRIVE UNIT	15 kg
X-RAY TUBE	9 kg
TOTAL WEIGHT	44 kg
PITCH ANGLE MAX.	30°



1.4 Crawler in pipe

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