

Model :  
**FB20D**  
**FB20H**

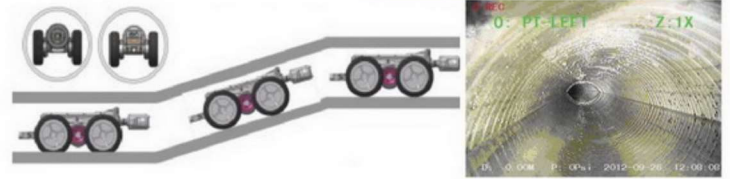
## Smart Crawler Robotic Inspection System

- Suitable for pipe from DN200mm to 2000mm
- Electric lifting function
- 700TVL resolution and HD image
- Pan 360°, Tilt 270° camera to capture maximum details
- Strong composite light and watch in black situation



## Application

The products are widely used in the areas of municipal pipelines, petrochemicals, tanks, shipbuilding, locomotive, engineering, casting machines, ventilation pipes, water tanks, exhaust vents, pipelines, chimneys, wells, shafts, civil engineering, electrical installation for the detection, repair and maintenance and also for the search of refugees in earthquake etc.



## FB20D



Camera head

- 1/4 SONY CCD sensor
- 700TVL
- Pan 360°, Tilt 270° camera to capture maximum details
- Zoom 120 times (10 X optical, 12 X electronic)
- High brightness LED light and auxiliary lights
- Waterproof level: IP68
- FHD Camera optional (FB20H)



Remote control box

- Wireless control distance: 10m
- Control function:
- Crawler: Forward, back, left, right, speed, lift
- Camera: Zoom, Rotate, reset, Light, switching
- Power supply: Built-in Lithium battery



Rear camera head

- Rear Camera
- 1/4 SONY CCD sensor
- 480TVL resolution
- High brightness LED light
- Waterproof level: IP68



Cable drum

- Powered by AC and DC 48V
- Meter counter
- Range the cable automatically
- Universal wheels with braking function
- Cable: 120m Kevlar cable standard, max length 200m



Crawler

- Suitable for pipe with diameter from 200 to 2000mm
- Electric lifting function
- Maximum output power: 160W
- Climbing capacity: 45°
- Creeping speed: 0-35m per min, 4-wheels drive
- 3 types of wheels: DN130mm, 200mm, 210mm
- Double motors can turn left and right



DN130mm wheels



Controller

- 15inch industrial controller
- 128G SSD
- Control software with English and Chinese OSD
- Control function: forward, back, left, right, rotate, brightness, lifting, zoom, speed
- Display: Internal pressure, creeping speed, distance, slope angle, lifting status.
- Take video and photos during inspection
- Compatible with Wincan