

## THRUST BORING MACHINES



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## **Sewer Construction Machines**

Diameter: 121 mm to 1016 mm

- Features:
- Sector of house-hold service connections
  - For controlled and uncontrolled trenchless supply and disposal line construction
  - In small excavation pits as well as in round pits with a diameter of minimum 2 m
  - Supplement with extension frames of different lengths possible
  - Special feature: create house connections starting from collecting pits

## **Pipeline Construction Machines**

Diameter: 324 mm to 1720 mm

- Features:
- For controlled and uncontrolled trenchless pipeline construction
  - Install lost or reusable steel protection tubes
  - Jacking pipes made of reinforced concrete, fiberglass, Polycrrete, etc.
  - Robust design, high jacking forces and torques up to 100,000 Nm
  - Supplement with extension frames of different lengths possible

## **Pipe Rehabilitation Systems**

Diameter: 80 mm to 324 mm

Features:

- Small and robust machines for trenchless renewal of gas, water and waste water pipes
- Driven by a hydraulic unit
- Renew pipes made of concrete, ductile cast iron, fibre cement, gray iron, ceramics, plastics and steel
- Shards can be cemented into the ground by means of a high pressure cementing unit
- Old pipes may be withdrawn from the ground and are replaced by new ones, at the same time
- In difficult excavation pit conditions or in sidewalk areas

## **Equipment for Thrust Boring Technology**

### **Drive Components**

- Hydraulic power pack

### **Control Systems**

- Optical Elektronical Navigation (OEN) including GPS
- Perfordat for pipe steering systems

### **Tools**

- Pipe steering systems from 500mm to 1200mm
- PUD reamer (mts Perforator Underground Drilling)
- Hollow drill auger systems
- Pilot rods
- Auger

### **Bentonite Systems**

- Mixing equipment & pump for bentonite

Categories: Thrust Boring, Trenchless Technology.