

# SID | Smart Shaft Inspection Device



**The SID is a visual inspection system used for evaluating bottom cleanliness of drilled shaft excavations.**

A special video camera contained in a bell housing is lowered to the shaft bottom. The bell housing is fitted with gages, which measure the sediment depth at the shaft bottom. The system is capable of testing shafts with depths of over 300 feet using the optional extended tether. The inspection is viewed on a video monitor in real-time and recorded on digital media.

# SID - Smart Shaft Inspection Device

## Technical Data:

- Stainless steel inspection bell with digital video camera and lighting system and lifting harness. Bell weight is approximately 160 pounds.
- Easy-to-use graduated pin gauges with depth increments built around your project specifications - 1 gauge mounted inside bell with 1/2" graduations and The 2 gauges have pins at 1/2", 1 1/2 " and 3".
- Camera with onboard lighting – standard resolution 1024x768. View diameter 12.25 inches (118 sq.in)
- Electric winch with 250 foot cable and remote control standard (maximum drilled shaft depth is approximately 230 feet in the standard configuration) longer cables can be custom ordered.
- Digital video control unit captures video and audio using purpose-built software in a familiar PC environment.
- 250 feet of air, water, and video umbilical cable on electric power reel. Tether length of up to 400 feet are available for order.
- Air and water supply unit used during inspections (water tank: 3 gallons).
- Compressed air regulator with air/water separator and Chicago-style connector for air compressor. Adapter for compressed nitrogen use provided.
- Onboard 3000 watt inverter class generator.
- Wash down water system with tank (34 gallons) and pump for cleaning the device after inspections
- Packed in a skid mounted, highly secure, steel box that can fit in a 3/4 ton pickup.

also available in a trailer model

