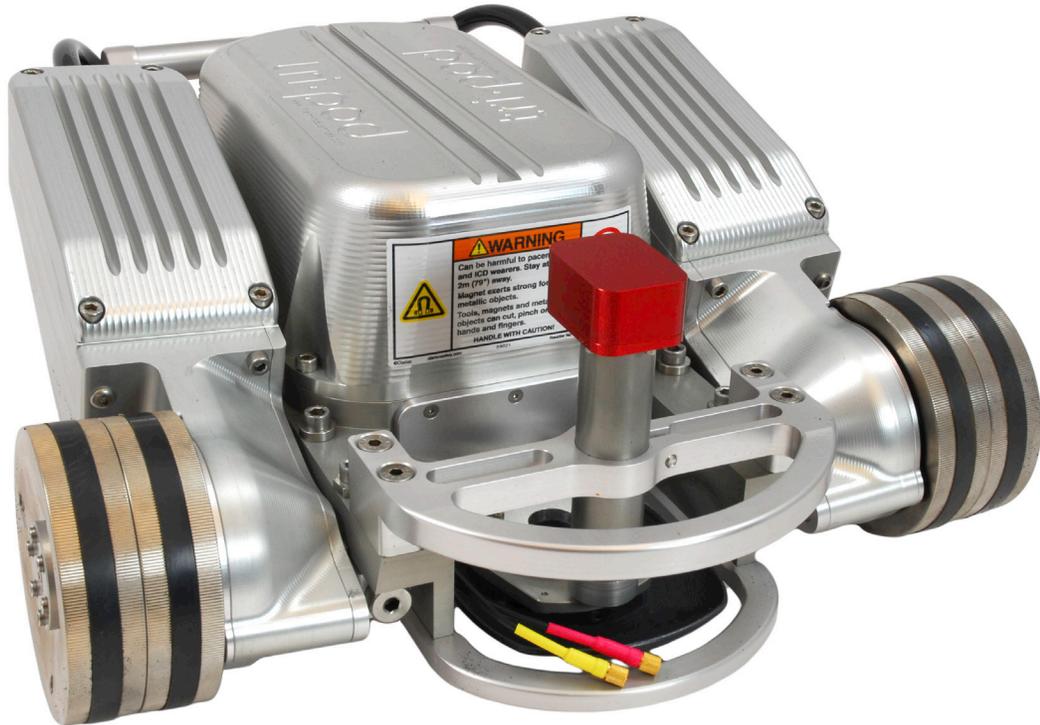




Motorized Tank & Vessel Scanner



The TriPod is a remote operated vehicle, used to translate instruments, cameras, or inspection devices along ferrous metal surfaces. Using three rare-earth magnets the crawler can climb vertical, horizontal, and inverted surfaces. The three wheeled computerized drive system allows the Tripod to rotate 360° on its own axis.

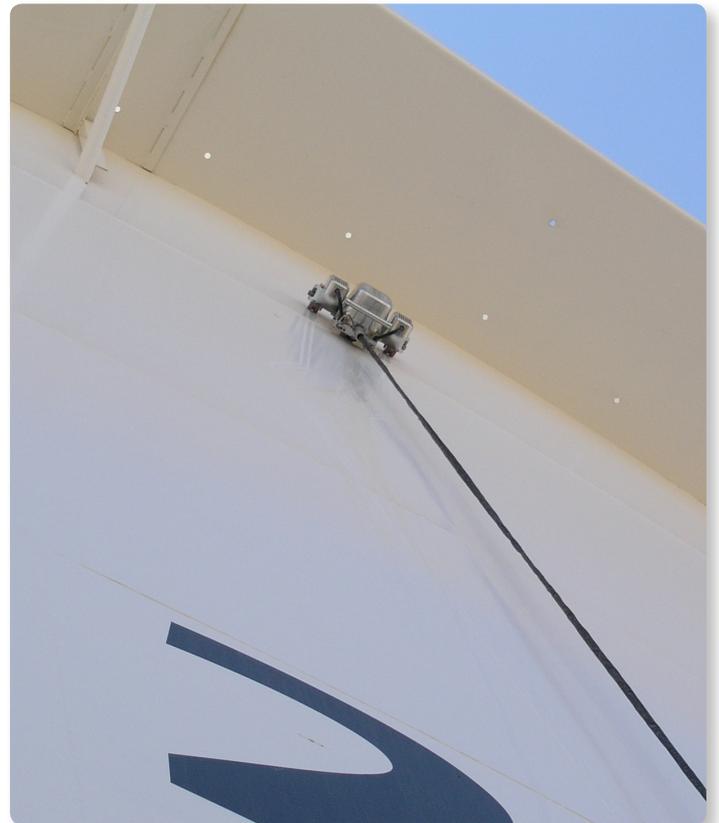
Features

- **Unique Linkage System:** The TriPod's magnetic drive wheels automatically remain perpendicular to the pipe or tank surface when driving in both the longitudinal and circumferential directions.
- **Control system:** Onboard intelligence provides functionality, flexibility, and expandability. All components are industrially hardened for the best in vibration, shock, and temperature resistance.
- **Molded umbilical:** The TriPod has a rugged umbilical with power, communication, 4 coax conductors and a water line molded into a durable polyurethane jacket.
- **Real-time encoder feedback (optional):** A sealed optical encoder is mounted on the steering wheel providing accurate straight line positioning information.
- **Probe lift actuator (optional):** A small lightweight linear actuator is available to lift a probe on and off of the inspection surface. The probe is mounted in a wear shoe with a virtual pivot point to allow for surface irregularities.
- **Environmental Sealing:** Extensive use of re-sealable o-ring gaskets and seals protect against penetration of contaminants into the unit.
- **Visual inspection camera (optional):** The TriPod can be fitted with a video camera for remote visual inspection or as a driving aid. The camera feed is sent down the standard umbilical.
- **Multi-probe holding adapter (optional):** If multiple probes are required, an adapter is available to integrate the STIX probe holding system on the TriPod.



Specifications

- **Vertical Lifting Capacity:** 30lbs (13.6kg)
- **Driving Speed:** Variable 0 - 1.5 ft/sec
- **Supply Power:** 85 - 264VAC 45 - 65 Hz 1 phase
- **Crawler Dimensions:** Length=17.7" Height=6.5" Width=15.5"
- **Crawler Weight:** 30lbs (13.6kg)
- **System Voltage:** 10VDC - 30VDC (28 VDC Standard operating)
- **Environmental Sealing:** NEMA 4, IP65
- **Motor Type:** Brushless Servo, integral feedback and planetary gearhead
- **Drive Wheel Magnetic Strength:** 200lbs each (straight pull)



Standard Kits



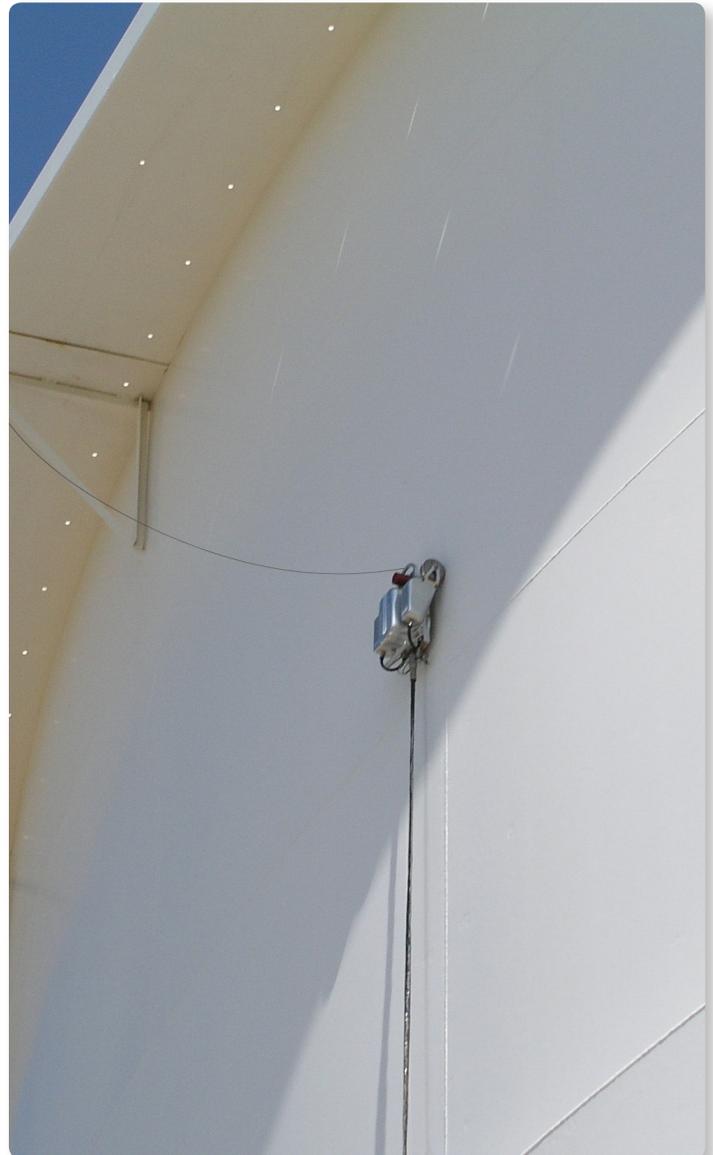
AAG004 Probe Lift



AAG006 Probe Lift, Encoder, Camera



AAG005 Probe Lift, Encoder



Ordering Info

