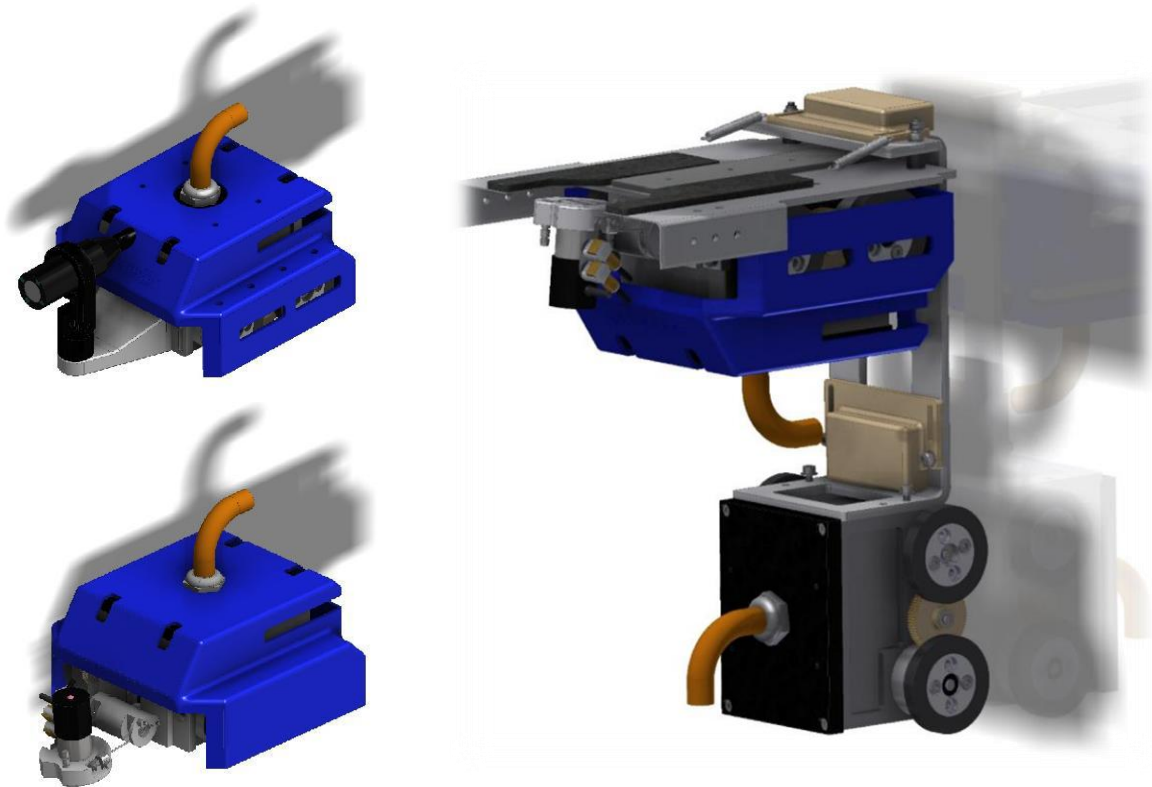


End Dome Robotic Inspection System (EDRIS)



- **Weight:** 1.4 KG
- **Dims:** 140mm x 116mm x 169mm (H, W, L)
- **Environment:** IP68
- **Operating Temperature:** -10°C to +55°C
- **Max OD:** Flat (Internal dome, 25" ID Min)
- **Min OD:** 6"
- **Scan Speed:** 400mm x 300mm = 25 min (8mm x 8mm collection)
- **Positioning:** Camera tracking system and encoder feedback
- **Maximum x-axis velocity:** 30 mm/sec
- **Umbilical length:** 10m cable supplied
- **UT Measurement Channels:** 2 inputs – Configurable for:
 - Zero Degree
 - ToFD
- **Data Communication:** Analogue
- **Control POD Power Supply:** 24VDC/150W
- **Attachment Method:** Permanent Magnet within Body. Attraction Force ≈10Kgs
- **Additional Options:** Lights and cameras

End Dome Robotic Inspection System (EDRIS)



General Features

- Minimum access hole 150mm diameter
- Fully remote operation and deployment allows inspection within potentially dangerous areas
- Probe head adjustment to diameter
- Live data collection
- Fully manual (Joystick) and automated scanning
- Dual torsion spring probe assembly ensures good data collection on undulating surfaces
- Probe protected within deployment unit for safe deployment
- Rugged and compact design for tight access areas
- Integrated Water/couplant management
- Profiled probe shoe allows scanning in close proximity to nozzle
- Ability to operate on dome vessels – minimum 800mm diameter
- Vulcanized rubber wheels to aid grip
- Tested to maintain contact on paint thickness's up to 1mm
- Corrosion mapping for NII with accurate and repeatable thickness measurement

Dimensions

