



V-Root Inspection System

Advanced Technology

The V-Root Inspection System is an internal weld scanning and inspection system. The V-Root will give you the ability to do a full 360 degree scan from inside the pipe. The dual camera rotating head uses a stereo lithography scanning laser (SLS) in conjunction with a colour GigE camera to allow the operator to inspect both the dimensions of the weld and the appearance.

The scan procedure is fully automated but the operator has the ability to go back to any location

after the scan to further inspect the suspect area. All data from the scan can be recorded for further analysis.

The system is designed to be towed behind our CRC-Evans DLUC clamps and only requires a computer interface (laptop can be supplied by CRC) in order to begin scanning. The V-Root system is a standalone system, so it can also be used by itself or with DLUC clamps.

V-Root Inspection System

Features

- ▶ Full 360 degree scan in one shot
- ▶ Standalone system
- ▶ Both SLS and color cameras
- ▶ Archiving and playback capable
- ▶ One button scanning, easy to use
- ▶ Adjustable to different ID ranges
- ▶ Quick disconnect for ease of assembly

Benefits

- ▶ Faster and more accurate than manual/visual inspection
- ▶ Similar components throughout line equals lower inventory

Mechanical Specifications

	D262314 6"-8"	D262360 8"-10.75"	D262431-10 10.75"-12.75"	D262451-12 12.75"-14"	D262431-14 14"-16"
Length	70"	76.2"	60.2"	60.2"	60.2"
	2,822 mm	193.6 cm	152.9 cm	152.9 cm	152.9 cm
Max OD (body)	5.5"	7.13"	10"	12"	13.25"
	13.97 cm	18.1 cm	25.4 cm	30.5 cm	33.66 cm
Range (pipe ID)	6-8"	8-10.75"	10.75-12.75"	12.75-14"	14-16"
	15.2-20.3 cm	20.3-27.3 cm	27.3-32.4 cm	32.4-35.6 cm	35.6-40.6 cm
Weight	~60 lbs	82 lbs	95.8 lbs	105 lbs	115 lbs
	27.2 kg	37.2 kg	43.5 kg	47.6 kg	52.2 kg

Requirements

- 110 VAC for power supply (clamp and computer)
- Software (supplied by CRC-Evans)

VRSS laptop screen ▶



! Disclaimer

Although great care has been taken in compiling the information contained in this catalogue, CRC-Evans does not accept responsibility for the consequences of any errors, nor for the effects of any subsequent changes made by the various sources of data.

Dimensions and weights provided for reference only. Dimensions, specifications and weights can vary depending upon final configuration of the equipment. Please contact CRC-Evans to confirm final weights and dimensions prior to shipment.



Houston: (832) 249-3100 Toll Free: (800) 664-9224 • Tulsa: (918) 438-2100
Netherlands: +31-36-711-7500 • www.crc-evans.com