

M-A-R-S

Modular Accessory Rack System



MARS Custom-Design Unit for the Orbital Scanner featuring a third party data acquisition unit in a 22U Flight Case

M.A.R.S is a modular accessory rack system offering flexibility to customise numerous ancillary instruments and accessories into one convenient portable unit.

Custom-design units that have been developed and manufactured include a Couplant Delivery System, Motor Controller, Pneumatic Air Supply, Power Supply, CCTV Capture and Lighting Control.

Each module produced offers all of the powerful features and functionality of a standard enclosure solution reconfigured to be incorporated in to a rack mount or customised enclosure.

See overleaf for examples of units produced.

Contact our Sales team to discuss your specific modular accessory requirements.

Example of MARS Data Acquisition Unit in transport case enclosure



Data Acquisition Unit



M.A.R.S system can accommodate and interface with any OEM data acquisition unit that can be configured into the rack mount enclosure.

Motor Control System



A powerful motor control system for use with the Phoenix ISL Orbital scanner, configured in a compact enclosure for integration into the M.A.R.S rack mount system.

Pneumatic Control System



Pneumatic supply to convert and condition on-site air supply for the attachment of tracks to non-ferritic inspection surfaces. Suitable for use with track mounted scanners.

CDS 2 - Couplant Delivery System



CDS 2 is an efficient couplant delivery system for ultrasonic NDT scanning solutions, configured in a compact enclosure for integration into the Phoenix ISL M.A.R.S rack mount system.

Water or low-viscosity non-corrosive oils are pumped at high pressure with a low flow rate to effectively couple transducers to the inspection surface.

Quad Channel Video Capture



A unit capable of capturing video footage from four HD cameras which are typically mounted on an AUT pipe weld scanner.

The Video Capture Unit receives the video feed and encodes the footage into a video stream to display on a monitor screen with an optional recording facility.