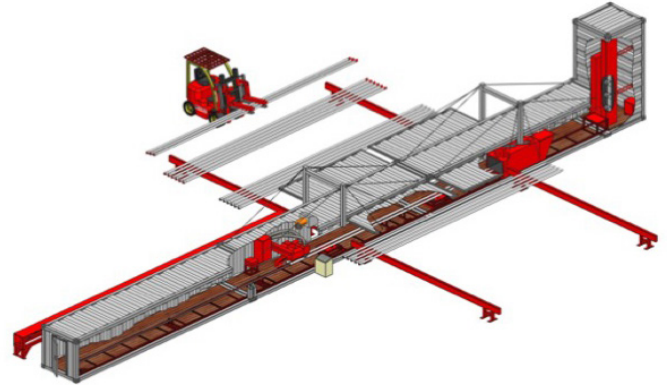


PIPE CARE UNIT TYPE 1 (PCU1®) BLASTING UNIT

RAMCO
PIPE CARE EXCELLENCE

Through our family of PCU's® RAMCO has pioneered many aspects of operational efficiency, from state of the art internal and external cleaning and treatment of OCTG to NORM removal. The PCU® technology, designed by RAMCO's engineering specialists, offers unrivalled efficiencies and operates to the highest environmental standards. The technology uses a self-contained and re-usable water system which reduces the need to dispose of water waste.



BACKGROUND

A major Oil Country Tubular Goods (OCTG) manufacturer along with several Oil and Gas Operators required blasting and cleaning of tubulars on site and in locations where there was no immediate infrastructure to provide these services.

RAMCO SOLUTION

Ramco created a range of modular PCU's® based around proven abrasive blasting techniques. Taking the lead in innovation at the time, Ramco developed the PCU1® – a self-contained unit to provide internal abrasive blasting and coating, to Swedish SA2 ½ standard, along with external wire brush cleaning.

Designed as a modular containerised system the PCU1® comprises 5 containers which can be readily deployed to mill sites or client yards anywhere in the world. As there is no major infrastructure requirement the pipe care unit can be operational within 4 weeks with no capital outlay for clients.

Furthermore, the PCU1® only requires a minimum of 4 operators – 1 RAMCO supervisor supported by local labour.

Depending on the client requirement the PCU1® can be configured with other units from the PCU family to enable water cleaning, bundling, EMI and UT inspections – providing a single solution for tubular cleaning and inspection.

TECHNICAL SPECIFICATION

Process Plant

4 x standard ISO shipping containers and includes:

- Power wire brushing equipment for external cleaning
- Internal blast lances
- Internal spray and drift lances
- External coating equipment
- Internal grit recycling and dust recovery systems
- Weather protection module

Power Pack

Fifth container comprises the power pack with:

- 900cfm compressor
- Dryer
- Receiver
- Generator (electric or diesel depending on customer requirement)

Footprint

- 1,200m² on concrete plinths

Capacity (3 lances)

- Sizes 2 3/8" – 13 3/8" standard
- 12 joints per hour* – carbon steel
- 9 joints per hour* – chrome

AT A GLANCE...

PCU 1 ID

BLASTING UNIT

- Self-contained internal abrasive blasting and coating – Swedish SA2 ½ standard
- External wire brushing system
- Range 1 – Range 3
- Sizes – 2 3/8" – 13 3/8" standard
- Footprint – 1,200m² on concrete plinths

CAPACITY (3 lances)

- 12 joints per hour* – carbon steel
- 9 joints per hour* – chrome

KEY BENEFITS

- Safe, reliable and efficient pipe care
- Self-contained mobile solution – operational within 4 weeks
- No capital outlay – variable costs based on minimum throughput
- Controlled working environment
- Environmentally friendly
- Consistent quality output
- Dependable service levels
- Just-in-time delivery of ready to run pipe
- Improved manpower utilisation
- Minimised rig site rejects
- Reduced inventory requirements

* based on standard 9 5/8" pipe