

ULTRASONIC INSPECTION SYSTEM FOR SEAMLESS GAS CYLINDERS

Adding Value To
Your Product.....



INTRODUCTION

It is necessary to inspect gas cylinders both at the manufacturing stage and on timely basis as part of the quality, service and maintenance procedure.

The typical flaws found during the ultrasonic testing of a gas cylinder are:

1. Internal and external longitudinal defects on the wall of the cylinder.
2. Internal and external transverse defects on the wall of the cylinder.
3. Varying wall thickness of the cylinder due to a faulty manufacturing process.

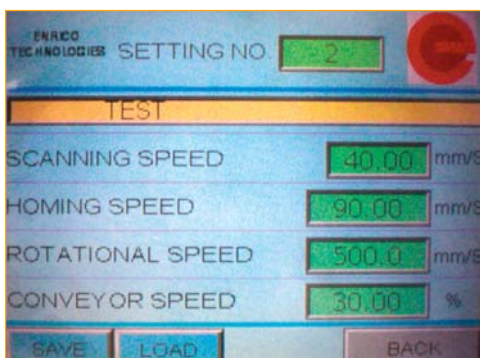
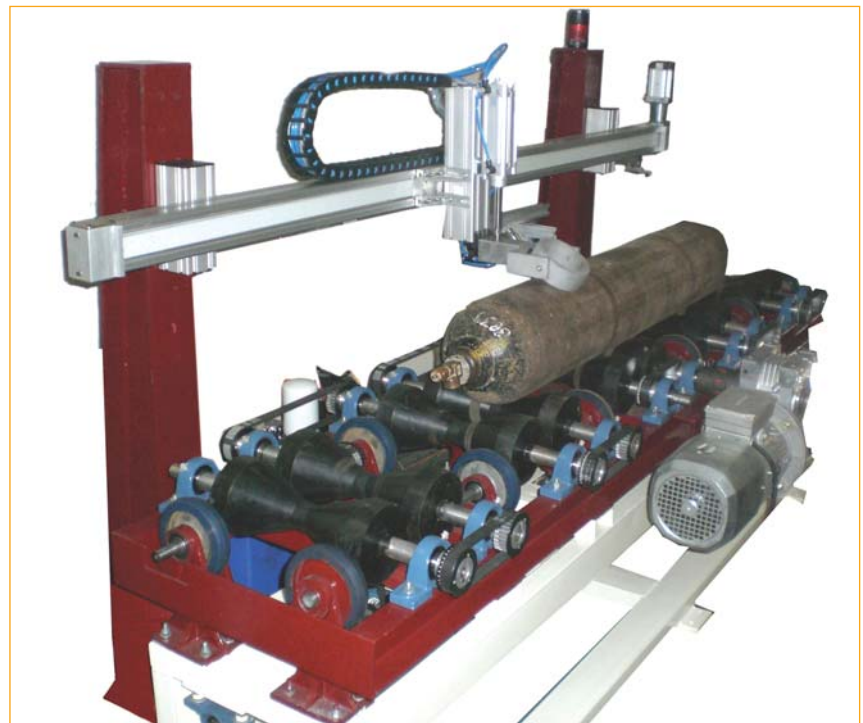
This need of ultrasonic cylinder testing is generally 100% of the parallel section of the cylinder as detailed in the various inspection standards (EN1964, ISO1143 and such other)

DESCRIPTION

Enrico Technologies offers turnkey ultrasonic cylinder inspection systems comprised of ultrasonic instrumentation, test mechanics and PLC controls.

These systems are available in multiple test configurations to meet and/or exceed applicable standards. AUTO and SEMI AUTO design scope are available that can be integrated into a client's production line.

All mechanical functions and parameters are under PLC control. Cycle test times of 20-30 cylinders / hr are achievable for a reference cylinder of 356 mm diameter and upto 2 meter long.



FEATURES

- Auto home positioning
- PLC based cycle control & HMI display of each cycle
- Automatic diagnosis of cycle fault
- HMI based input, saving & recall function for setting conveyor / scanner speeds required for varying cylinder diameter
- High inspection speeds.
- Minimum adjustments for changing cylinder diameter
- Auto spray marking system

ET ENRICO TECHNOLOGIES

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