

ULTRASONIC TUBE TESTING SYSTEM (WELDED & SEAMLESS)

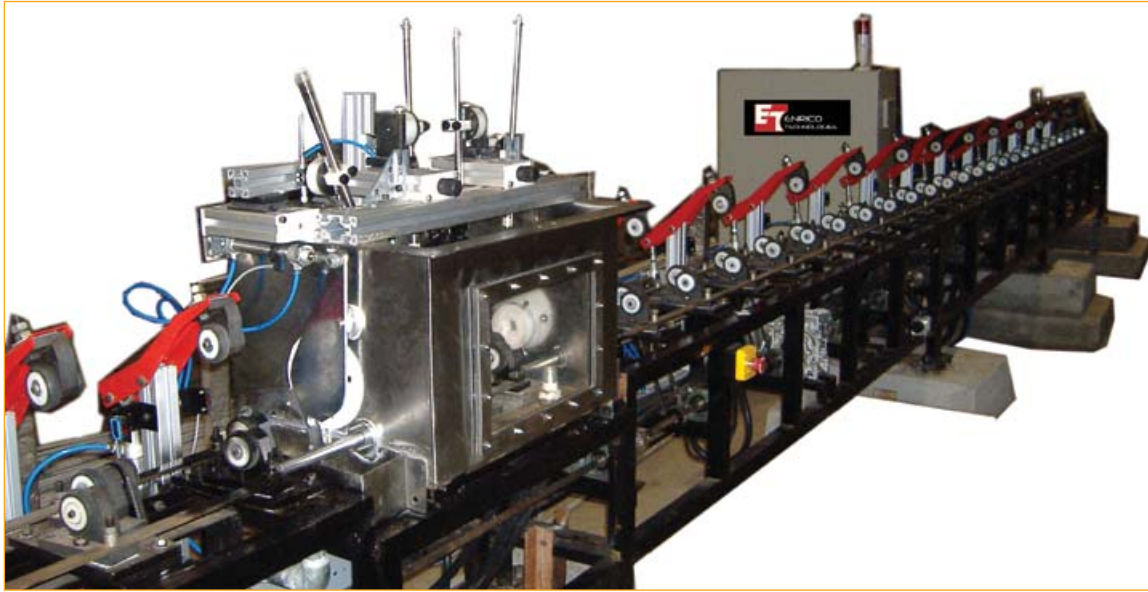
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INTRODUCTION

It is necessary to test metal tubes both at the manufacturing stage and on timely basis as detailed in the various inspection standards. This need of ultrasonic inspection is generally 100% tube body for detection of :

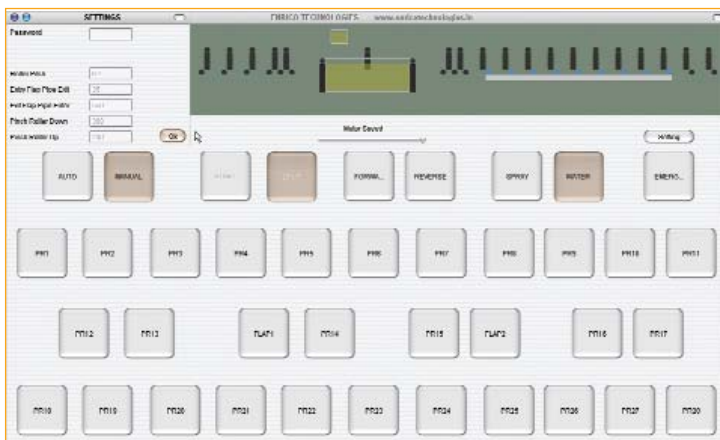
- Internal and external longitudinal (axial) defects on the metal tube
- Internal and external transverse (circumferential) defects on the metal tube
- Varying wall thickness of the metal tube



DESCRIPTION

Enrico Technologies offers turnkey ultrasonic tube inspection systems for small and large diameter metal tubes comprising of ultrasonic instrumentation, test mechanics and PLC controls. Depending on the metal tube sizes, testing speed and the applicable standards the test mechanics are available in various configurations such as:

- Immersion or Partial Immersion or rotating head
- Linear or Spiral rotation of the tube
- Manipulator based or replaceable probe head
- Auto or semi auto operation



FEATURES

- PLC based cycle control & HMI/Software display of each test cycle
- Automatic diagnosis of test cycle fault
- HMI/Software based input for mechanics settings and controls
- Adjustable inspection speeds
- Minimum adjustments for changing tube diameter
- Auto spray marking system

ET ENRICO TECHNOLOGIES

Sales and Mailing Address: New Samitha Commercial CHS, Bldg. No.:A-B 13, Gala No.:13, A.K. Road
Near Safaid Pool Tel. Exchange, Saki Naka, Andheri (E), Mumbai - 400072, India

Ph: +91 22 40264048, Fax: +91 22 40264047, E-mail: info@enicotechnologies.in, Website: www.enricotechnologies.in