

## ECT System for Steel Pipe End (Type L)

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This eddy current testing system automatically detects longitudinal harmful flaw on the zone of approx. 300 mm from both end of steel pipe, where used be dead zone for inspection, while pipe is turning. If a harmful flaw is detected on a pipe end, NG marking is done on the designated position of the pipe. This system is also applicable for inspection of round steel billet, round bar and nonferrous materials.

If you need further information or have question → [CONTACT US](#)

### Features

Using MARKTEC original theta probe, accurate inspection with large lift-off

Fast inspection (during pipe turning at peripheral speed 60 m/min.)

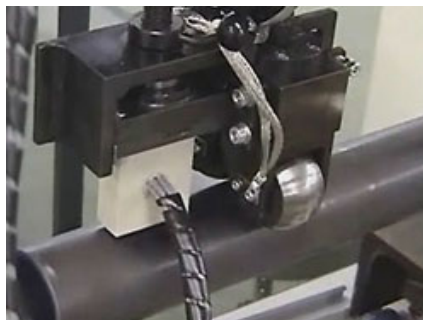
Paint shot NG marking on the pipe (Option)

In-line automatic ECT system to fit existing production line can be designed

Main Specification	
Material to be inspected	Carbon steel, Alloy steel, Stainless steel and Nonmagnetic metals
Outer diameter of pipe	Min. diameter 50 mm
Material condition	Metal structure and magnetic property shall be uniform
Peripheral velocity	60 m/min. (constant)
Probe	Theta probe
Flaw	Longitudinal , linear shape
Detecting accuracy	Min. 0.3 mm depth x 0.5 mm width x 25 mm length artificial flaw (S/N : more than 5)
Electric power	AC 200 V $\pm$ 10%, 3-phase, approx. 5 KVA
Air	0.4 MPa, more than 1 m <sup>3</sup> /min. (dry) Normal consumption : approx. 0.8 m <sup>3</sup> /min.
Grounding	C-type (less than 10 ohm)

### Movie

※ Click photograph to view movie of ECT System for Steel Pipe End (Type L)



(866KB / 13min.)

