



Integrated supplier of Non-Destructive Testing and Marking

ECT System for Steel Pipe (Through type)

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This ECT system, consisting of eddy current testing equipment, marking equipment and demagnetization equipment, automatically detects surface flaws on the steel pipe while pipe is being longitudinally transferred. After eddy current inspection, control number is marked on the good pipe by ink jet printer (IJP), and if a harmful flaw is detected, NG marking is done on the designated position of the pipe.



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Features

Excellent detecting accuracy is realized due to improvement of S/N by the effect of magnetic saturation device

Fast inspection

Marking control number or NG mark 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
Outer diameter of pipe	10-80 mm (tolerance \pm 2 %)
Material condition	Metal structure shall be uniform
Surface condition	Normal temperature Without weld bead Free of water, oil and mill scale
Transfer speed	60 m/min. (constant)
Probe	Encircling coil
Flaw	Scab, roll mark
Detecting accuracy	Groove and drill hole (JIS G 0568) artificial flaw (S/N : more than 3)
Electric power	AC 200 V \pm 10%, 3-phase, approx. 30 KVA
Air	0.4 MPa, more than 1 m ³ /min. (dry) Normal consumption : approx. 0.8 m ³ /min.
Grounding	Independent D-type

