



Integrated supplier of Non-Destructive Testing and Marking

Fully Automatic ECT System for Cylinder Block

ECT System for Cylinder Block

This eddy current testing system automatically detects a crack on bore part of aluminum cylinder block head, and If a harmful crack is detected, NG paint marking is done on the designated position of the cylinder block.



ECT System for Cylinder Block

Features

- Detecting probe does not contact with workpiece, therefore does not wear
- All directional flaw inspection can be done by one probe
- Paint shot NG marking on the pipe (Option)
- In-line automatic ECT system to fit existing production line can be designed

Main Specification	
Workpiece to be inspected	Cylinder block
Material to be inspected	Aluminum alloy
Probe	Air floating probe
Flaw	Crack (all direction)
Detecting accuracy	Min. 0.3 mm depth x 0.2 mm width x 2 mm length artificial flaw (S/N : more than 3)
Electric power	AC200/220 V ± 10%, 50/60 Hz, 3-phase, approx. 3 KVA
Air	0.4 MPa, more than 0.2 m ³ /min. (dry) Normal consumption : approx. 0.05 m ³ /min.

Movie

※ [Click photograph to view movie of ECT System for Cylinder Block](#)



(1.81MB / 31min.)

Main application

In addition to inspection of cylinder block, this system is applicable for inspection of followings;

Surface of disk brake

Inside and outside surface of ring parts

Inside and outside surface of cylindrical parts