



StoneShield
ENGINEERING

P-AOI

Punching - Automated Optical Inspection

P/N: 01-01-0005



Applications:

Performs visual inspection and validation of connectors after the punching process



Options:

Connector Matrix + Inspection Program

P/N: 08-16-0001

Technical Data:

Dimensions:

Length: 420 mm
Width: 210 mm
Height: 530 mm
Weight: 24 kg

Connections:

Electrical: 230 VAC @ 50 Hz -
1 IEC standard male socket
Consumption: 1000 W (peak)
Interface: Touchscreen, USB, buzzer and LED



The P-AOI - Punching Automated Optical Inspection is a system designed to perform visual inspection of previously punched connectors in order to check if the punching process is in accordance with the required. The machine verifies if the correct holes are punched and the quality of the punch (hole clearance and burr dimensions).

The punching pattern to be verified is selected using a barcode reader or supplied by an APM machine.

The patterns are defined locally, by the user as well as the hole clearance and acceptance threshold.

The user places the punched connectors into a matrix and presses a button to start the inspection process.

The software automatically identifies if the pattern is the correct one and which holes are OK and NOK.

The matrix is flexible for different connectors, but can also be exchanged if needed.

New connectors identification software can be easily upgraded into the machine.