



# EMCOL

## NDT Assistance

### [TAM Panel Photos - View Samples](#)

In order to monitor the regular performance of penetrant process lines known defect standards are commonly used. It is beneficial and in some cases required that the baseline performance of these standards is recorded in a format suitable for direct comparison with the daily result of test. The preferred method for Aerospace applications is a colour photograph at or near to full size. This should visually represent what is seen on the initial test and is then used to ensure that performance is maintained at a standard equivalent to that used to produce the photograph.

We offer a service of TAM panel photography and then provide, in electronic format, a file that enables you to print the baseline photographs needed for this purpose. Using the experience we have gained over many years and with special, portable equipment we can visit your facility and photograph the known defect standards you have carefully prepared using all new materials under normal processing parameters.

However our service goes even further! There is also an Aerospace requirement that these defect standards are monitored at regular intervals to check for defect growth or blocking. To do this the sizes of the indications are measured and compared against the sizes recorded at the time of the original baseline being created. Therefore during preparation of the photographs we accurately measure the size of a circle that will just encircle the indications – the “inscribed circle”. This provides the base information required such that periodic verifications using all new materials and the same process parameters can be carried out to check that any indication size variations are not significant.

The attached samples demonstrate typical photographs, although in this case you may note that the photograph demonstrates that the smallest indication is larger than one would expect!

Take note from this! To get the best from our service you should process your panels as you would in preparation for a photograph and ensure that the panel meets all needs before arranging for the photographs!

The costs for the service are based on time taken to prepare and process the photographs and to electronically manipulate the information, size the indications and supply the electronic files. We also take into consideration any travel costs and any additional time relating to processing matters or reprocessing if required.

Contact us for more information!

# PSM 5 PANEL REPLICA

SERIAL No

12345

COMPANY

A NDT Line

Department/Line

NDT

Process

ID2a (F2A)

MATERIALS

ZYGLO ZL-2C , ZR-10C , ZP-4B

DATE

17 MAY 2007



Photograph Prepared by E M Inspection Co Ltd at the above facility

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SERIAL No

12345

COMPANY

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NDT

Process

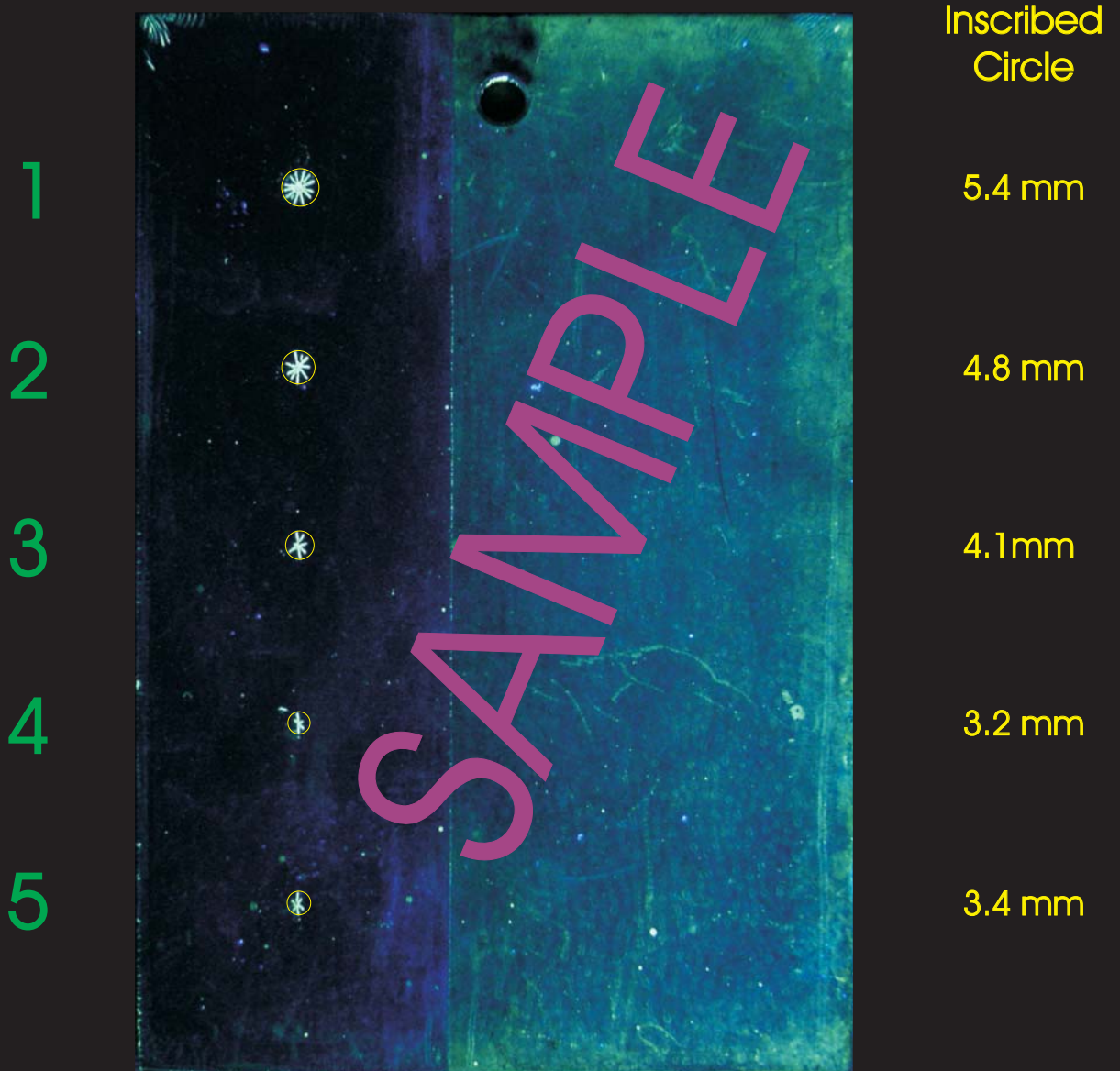
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