MAGNAFLUX

Product Data Sheet
产品数据表

NiCr Test Panels 镍铬试片

TWIN TEST PANELS FOR CHECKING COMPARATIVE PENETRANT SYSTEM PERFORMANCE
用于对比检查渗透剂性能的一对试片

The NiCr Test Panels are made from brass plated with 20 micron nickel-chrome alloy and stressed to induce linear cracks in the plating. The cracked test piece is cut into two twinned panels so that in-use materials can be run in comparison to new and un-used materials on identical flaws. Comparison testing can show performance differences in the penetrant material, emulsifiers used with post-emulsified penetrant, developers, or the process-ing equipment itself. NiCr Test Panels are also known as ISO 3452-3 Type 1 reference blocks.

镍铬试片由镀有20微米镍铬合金的黄铜制成，并通过受力在镀层中产生线性裂纹。带有裂纹的试片被切割成两块成对的试片，因此与使用相同缺陷的新旧材料相比，使用中的材料可以运行。对比测试可以显示渗透剂、与后乳化渗透剂一起使用的乳化剂、显像剂或操作设备本身的性能差异。镍铬试片也以ISO 3452-3 1型试块的名称为业内所熟知。

FEATURES 规格

Length 长度	100mm +/- 2mm
Width 宽度	35mm +/- 2mm
Thickness 厚度	2mm +/- 0.2mm
Plating / flaw depth 涂层/缺陷深度	20 µm

PART NUMBER 件号

506252 镍铬试块 20 µm

SPECIFICATIONS 符合标准

Conforms with 符合:

- ISO 3452-3 Type1

For use with systems conforming to
适用于需符合以下要求的系统:

- AMS 2647D
- ASTM E1208
- ASTM E1209
- ASTM E1210
- ASTM E1219
- ASTM E1220
- ASTM E1417
- ASTM E1418
- ASTM E165
- ASTM F601
- ISO 3452

INSTRUCTIONS 说明

Prior to use, each panel should be cleaned to ensure that no residues are left on the panel. Drying with heat is recommended to completely remove all water from the cracks. After the panels are clean and dry, they can be processed in accordance with penetrant system materials and parameters to simulate production conditions. Typically one panel is processed using new, unused materials and the other panel is processed using working / in-use materials. Compare the appearance of the panels after processing to assess the performance of the working / in-use materials, noting any degradation from the performance of new, unused materials.

使用前，清洁每块试片，以确保试块表面没有残留物。建议加热干燥以彻底清除裂缝中的所有水分。试片清洁干燥后，可以根据渗透剂系统的材料和参数进行处理，以模拟生产条件。通常，一块试片使用新的、未使用过的耗材，另一块使用已知的、正在使用的耗材。处理后比较试片的外观，以评估已知的、正在使用的耗材的性能，并注意新的、未使用过的耗材的性能是否会降低。

After use, thoroughly clean the panels before storage to remove all penetrant and developer materials. Ultrasonic cleaning with emulsifier or cleaner/remover solvent is recommended.

使用后，在存放前彻底清洁试片以清除所有渗透剂和显像剂。建议使用乳化剂或清洁剂/清洗剂进行超声波清洁。

Note: Before using the panels for the first time, heavy-duty cleaning may be necessary. A chromic acid cleaning solution may be used to remove any buffing compound residue left by the manufacturing process.

注意：首次使用试片之前，可能需要着重进行清洁。铬酸清洗液可用于去除制造过程中残留的抛光剂残留物。

Caution: Avoid any mechanical shock and do not attempt to bend or straighten the test panels. Do not expose the test panels to temperatures over 100°C for an extended period of time. Any of these conditions will permanently damage the test panels.

注意：避免任何机械冲击，请勿试图弯曲或拉直试片。请勿将试片长时间暴露在超过100°C的温度下。这些条件中的任何一种都会永久损坏试片。