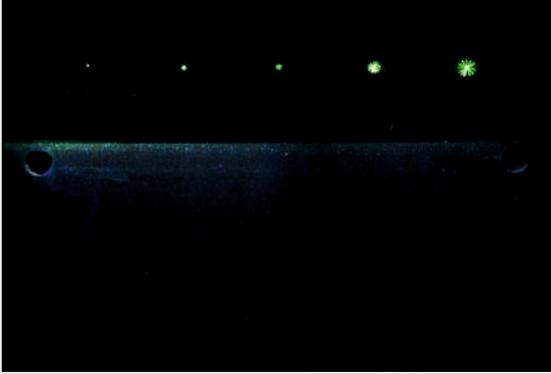


Tam Pannel PT-Guard



Intended use of the TAM Panel:

The TAM panel (Testing & Monitoring) or PSM (Penetrant System Monitoring) serves the user in his PT tests for the functional control of the complete penetrant process.

Description:

The TAM Panel is a stainless-steel plate. Half of the test surface is hard coated. Five crack centers are evenly spaced in the hard coated strip. The crack centers are circular patterns forming a star. The non-plated portion of the TAM panel has been grit blasted to a uniform surface roughness ideally suitable for evaluating residual penetrant background characteristics. Ra 2,0 µm

Specification Compliance:

- Pratt & Whitney Aircraft Drawing Specification Number 146040
- General Electric Specification (P3TF2, § 5.4.1 & 10.1 / Rev. S29 (Fluorescent Penetrant Inspection)
- ASTM E-1417 § 7.8.3.1 (Standard Practice For Liquid Penetrant Testing)
- MIL-STD-6866, § 5.8.3, 33B-11 (Military Standard: Inspection, Liquid Penetrant)
- NAVAIR 01-1A-16 and TM43-0103

Application:

The penetrant to be checked is applied onto the entire surface of the TAM panel by immersing, spraying, or brushing. After the prescribed penetrant dwell time, the excess penetrant is removed. The excess penetrant removal depends on the type of penetrant, rinsing with water or spraying with water or solvent or immersion dip or other methods. Afterwards, the surface is dried. Finally, the developer is applied. Usually after 5 to 10 minutes, the evaluation is carried out. In the hard coated strip, the judgement is based on the number of visible crack centers. The uncoated portion of the panel can be used to check the excess penetrant removal by evaluating the amount of remaining penetrant.

Cleaning:

For a correct indication, the TAM panel must be free from dirt and residual penetrant from former checks. The TAM panel should carefully be cleaned to remove residual penetrant and developer.

Storage:

After the panel has been cleaned and dried, it should be stored, submerged in a cleaning solvent like acetone or isopropyl alcohol.

Recalibration:

The star-shaped defects of the TAM panel might change in size and display capability by dirt, corrosion or mechanical stress. Intervals for reconditioning and recalibration: With only occasional use of the TAM panel 12 months recalibration intervals or any previous date required by your company. All TAM Panels are serial numbered and supplied with photos and calibration certificate.

Kit Contains:

- Hoffmann TAM Panel with transparent box.
- In foam milled stacker trough, for the panel deposit.
- Calibration Certificate with measurement and 5 single star photos.
- 1 Full-Size-Panel-Photo in Certificate.
- Foil print, glued on the storage box, with measurement and 5 single star photos.

Order Part No.

Sr. No.	Part No.	Description
1	ATAM-PS	Hoffmann PT-Guard Panel (Polished Surface including Certificate)
2	ATAM-FGS	Hoffmann PT-Guard Panel Full grit Surface including Certificate)