

- Modular Design
- Thermostatically-Controlled Recirculating
- Hot Air Dryer
- Dry Developer Storm Cabinet

**PENETRANT PROCESSING INSPECTION
EQUIPMENT**

**MAGNAFLUX®
ZYGLO® ZA-37 SERIES**

High-performance, integrated processing/inspection systems for fast, reliable manual Penetrant testing.



TAM PANEL
Pt No 198055

A stainless steel panel to monitor both sensitivity and washability of penetrants. It provides a grit blasted surface for washability tests and a chromed section with 5 star shaped defects ranging in size from course/fine. Meets the requirements of Pratt & Whitney (TAM 146040)

PENETRANT PROCESSING INSPECTION EQUIPMENT

ZYGLO[®] ZA-37 SERIES

OPERATING INFORMATION

Each of the two ZA-37 models is designed for a specific testing method. Since the order of use varies with different penetrant materials, the units must be carefully ordered to fit your application.

ZA-37W for Water Washable Method: This is the simplest unit because water can be used directly to wash excess penetrant from parts without additional steps.

ZA-37E for Post-Emulsified Method: This unit can locate extremely shallow flaws, but it requires an extra processing step applying an emulsifier to make penetrant washable.

ZA-37H for Hydrophilic Method: This unit delivers the highest inspection sensitivity, but it requires an additional processing station for pre-rinsing parts.

The accompanying chart shows the work flow for each model:

- **ZA-37W FOR WATER WASHABLE METHOD:**

| | | | | |
|----------------|------------|-------|---------------|------------------|
| Penetrant Tank | Rinse Tank | Drier | Dry Developer | Inspection Booth |
|----------------|------------|-------|---------------|------------------|

- **ZA-37E FOR POST EMULSIFIER METHOD (OIL BASED):**

| | | | | | |
|----------------|-----------------|------------|-------|---------------|------------------|
| Penetrant Tank | Emulsifier Tank | Rinse Tank | Drier | Dry Developer | Inspection Booth |
|----------------|-----------------|------------|-------|---------------|------------------|

- **ZA-37H FOR POST EMULSIFIER METHOD (WATER BASED):**

| | | | | | | |
|----------------|------------|-----------------|------------|-------|---------------|------------------|
| Penetrant Tank | Rinse Tank | Emulsifier Tank | Rinse Tank | Drier | Dry Developer | Inspection Booth |
|----------------|------------|-----------------|------------|-------|---------------|------------------|

- Tank sizes 350 x 400 x 700 mm

All Units conform to the appropriate European Union Directives

All Models:

- Max Compt. Size 300 x 350 x 650mm
- Mains Supply 220/240 v, 1 PH, 50 Hz @ 10 amps
- Air Supply > 2 bar
- Mains Water Supply

MAGNAFLUX[®] A Division of *ITW* Ltd.

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