

**AUTOGLO**

**ZYGLO<sup>®</sup>**

**FLUORESCENT PENETRANTS**



**MAGNAFLUX<sup>®</sup>**

A Division of ITW Ltd

## THE PRODUCT

ZYGLO is a full range of quality approved penetrants, emulsifiers, removers and developers from the World Leaders in NDT.

- Available in aerosol or liquid form
- Water washable and post emulsifiable

## BENEFITS

- The industry standard
- Universal approvals
- Bright and sensitive
- Consistent high performance
- Five sensitivity levels
- Resistant to over washing
- Colour coded for correct sequence

### ZYGLO® WATER WASHABLE PENETRANTS

PENETRANT	LEVEL	DESCRIPTION	FLASH POINT	VISCOSITY	SG	AMS2644	PWA	RR
ZL-15B	1/2	General use. Excellent wash response.	>93°C	5.2cS	0.86	Y	N	N
ZL-19	1	General use. Excellent wash response.	>93°C	5.6cS	0.86	Y	Y	N
ZL-60C	2	Intermediate sensitivity. Aircraft fabrications etc.	>93°C	7.0cS	0.88	Y	N	Y
ZL-60D	2	Intermediate sensitivity. Improved removability.	>93°C	7.6cS	0.92	Y	Y	Y
ZL-67B	3	High sensitivity. Bright for critical use.	>100°C	23cS	0.99	Y	Y	N
ZL-56	4	Ultra high sensitivity. Most demanding applications.	>93°C	16.8cS	1	Y	Y	Y

### AUTOGLO WATER WASHABLE PENETRANTS

DEVELOPER	LEVEL	DESCRIPTION	FLASH POINT	VISCOSITY	DENSITY	APPROVAL
AL-4B	1/2	Biodegradable, fluorescent, water based penetrant. Easy removal from complex shapes makes it ideal for use in the automotive industry. Can be further diluted with water if required.	Non flammable	4.5 cSt@38°C	1.00 g/ml	EN-ISO 345-2 Sec 6.3 - 6.12

## APPROVALS

Aerospatiale, Airbus, Air France, Allison, BAe, Boeing, McDonnell Douglas, Messier Dowty, Garrett, GE, General Dynamics, MTU, Pratt & Whitney, Rolls Royce, SNECMA, USAF. Please contact Magnaflux for latest listing.

### ZYGLO® POST REMOVABLE PENETRANTS

PENETRANT	LEVEL	DESCRIPTION	FLASH POINT	VISCOSITY	SG	AMS2644	PWA	RR
ZL-2C	2	Normal sensitivity. High performance.	>93°C	6cS	0.9	Y	Y	Y
ZL-27A	3	High sensitivity. Wide range of applications.	>93°C	9cS	0.92	Y	Y	Y
ZL-37	4	Ultra sensitive. High performance.	>93°C	14cS	0.96	Y	Y	Y

### ZYGLO® EMULSIFIERS AND REMOVERS

PRODUCT	CONCENTRATION	DESCRIPTION	FLASH POINT	VISCOSITY	SG	AMS2644	PWA	RR
Spotcheck SKC-S	-	Petroleum distillate based volatile solvent.	>7°C	1	0.72	-	-	-
ZE-4B	-	Slow acting emulsifier. Use immersion and drain.	>100°C	25cS	0.95	Y	N	N
ZR-10C	5-20% dipping 0.5% spraying	Remover. NP free.	>100°C	42cS	1.04	Y	Y	Y

### ZYGLO® DEVELOPERS

DEVELOPER	FLASH POINT	DESCRIPTION	CONCENTRATION	TALC	ASBESTOS	AMS2644	PWA	RR
ZP-4B	Non flammable	Fluffy white powder. Excellent with powderstorm.	As supplied	N	N	Y	Y	Y
ZP-5B	Non flammable	White powder concentrate. Mix with water.	60g/l	N	N	Y	N	N
ZP-9F	-16°C	White developer in solvent. Apply by spray only.	As supplied	N	N	Y	Y	Y
ZP-14A	Non flammable	Free flowing powder. Biodegradeable.	150g/l	N	N	Y	N	N

## APPLICATIONS

### AUTOMOTIVE COMPONENTS MANUFACTURERS

Brakes • Steering Components • Connecting Rods • Wheels • Engine Mounts • Pistons • Cylinder Blocks

### AEROSPACE INDUSTRY

Engine Components • Landing Gear • Wheels • Wing Spars • Brakes • Springs

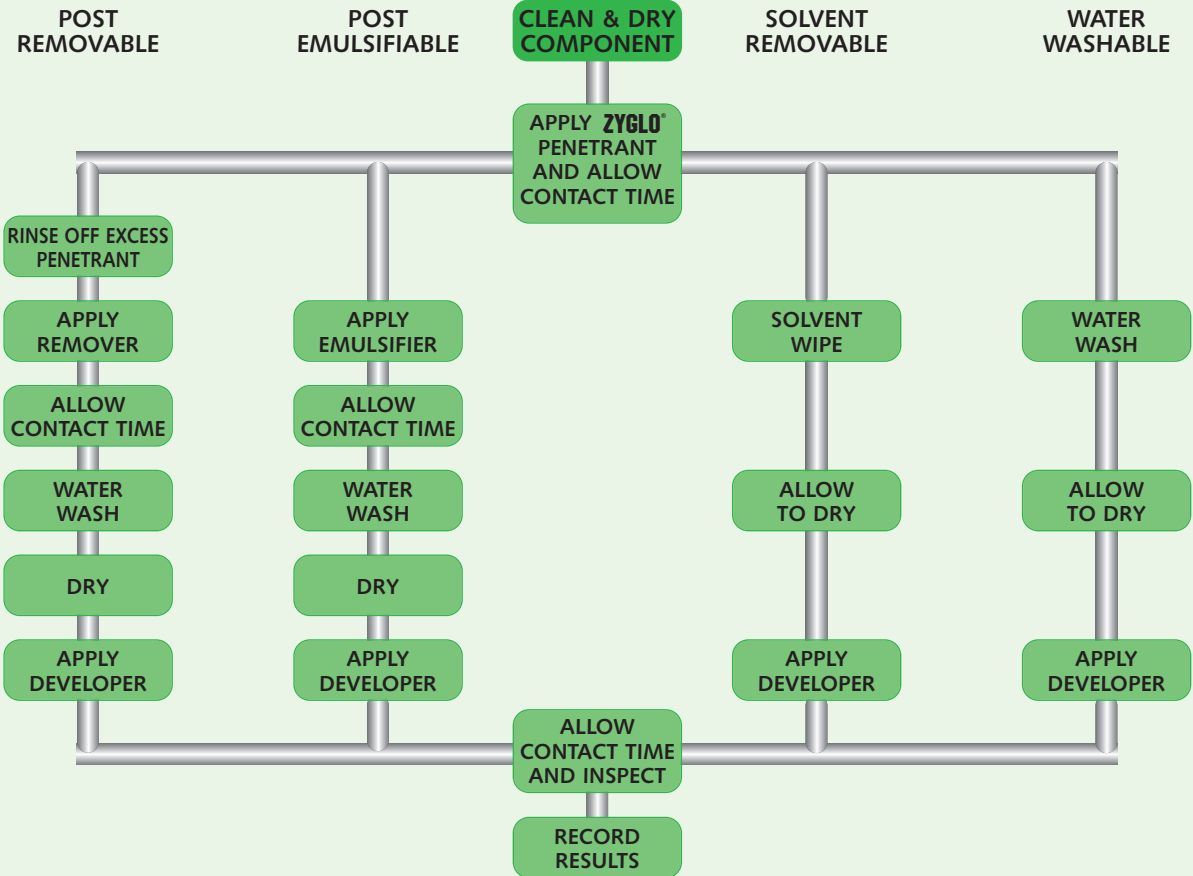
**FOUNDRIES**  
Raw Castings

**MILITARY**  
Critical Components

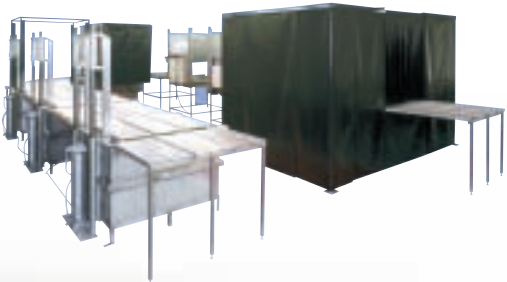
**TEST LABS**  
NDT Inspections



# ZYGLO® GENERAL PROCESSING METHODS

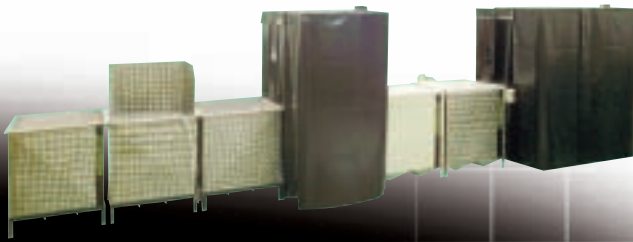


## ZYGLO® PENETRANT PROCESS EQUIPMENT



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

The modular ZA penetrant systems offer full flexibility, allowing compliance with all NDT specifications and requirements.



Distributor Address



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