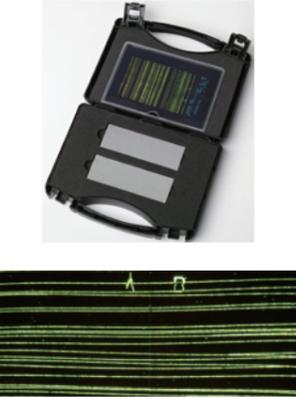


Test panel for liquid penetrant testing

<p>JIS TYPE 1 : Ni - CrPlating cracked test panel</p> 	<p>JIS TYPE 3 : 2.4SA Aluminum quench crack ing test panel</p> 	<p>ASTM E1417 test panel Hoffmann TAMPANEL</p> 
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ULTRAVIOLET FLAW DETECTION LIGHT (Black Light)

<p>Cordless Flashlight type</p>  <p>ZB-365J</p>	<p>Handy type</p>  <p>S-60LC S-65LC/LCE (ASTM3022)</p>	<p>Hanging type</p>  <p>L-500LC/LCE (ASTM3022)</p>
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Size & Packaging

Size	Penetrant	aerosol 450ml, Liquid 3.8L square can, 18L square can
	Remover	aerosol 450ml, Liquid 3.8L square can, 18L square can
	Developer	aerosol 450ml, Liquid 3.8L square can, 18L square can
Shipping unit	Aerosol products	A set of six cans: penetrant×1, developer×2, remover×3 in cardboard box 6pack, 12pack, 18pack, 24pack, 30pack, 36pack, 48pack each in cardboard box
	Liquid products	3.8L square can: 2 or 4 cans in cardboard box 18L square can: one cans in cardboard box



Head office	1-2-13, Higashishinbashi, Minato-ku, Tokyo, 105-0021	TEL. +81-3-3573-4235 FAX. +81-3-3573-4230
Ibaragi Factory	4689-1, Uchimoriya-cho, Zyouso-shi, Ibaragi, 303-0043	TEL. +81-297-27-9507 FAX. +81-297-27-9508
R&D	6-283, Wakashiba, Kashiwa-shi, Chiba, 277-0871	TEL. +81-4-7131-0911 FAX. +81-4-7131-0912
Higashinohon Branch	6-283, Wakashiba, Kashiwa-shi, Chiba, 277-0871	TEL. +81-4-7131-5674 FAX. +81-4-7131-5799
Kawasaki Branch	13-5, Ise-cho, Kawasaki-ku, Kawasaki-shi, Kanagawa, 210-0805	TEL. +81-44-233-4351 FAX. +81-44-233-5295
Nagoya Branch	3-28-14, Chikusa, Chikusa-ku, Nagoya-shi, Aichi, 464-0858	TEL. +81-52-741-8851 FAX. +81-52-741-8867
Oosaka Branch	2-3-30, Gamou, Zyouhou-ku, Oosaka-shi, Oosaka, 536-0016	TEL. +81-6-6931-9058 FAX. +81-6-6931-1705
Hiroshima Branch	1-4, Minamitakeya-cho, Naka-ku, Hiroshima-shi, Hiroshima, 730-0049	TEL. +81-82-243-1532 FAX. +81-82-243-1598

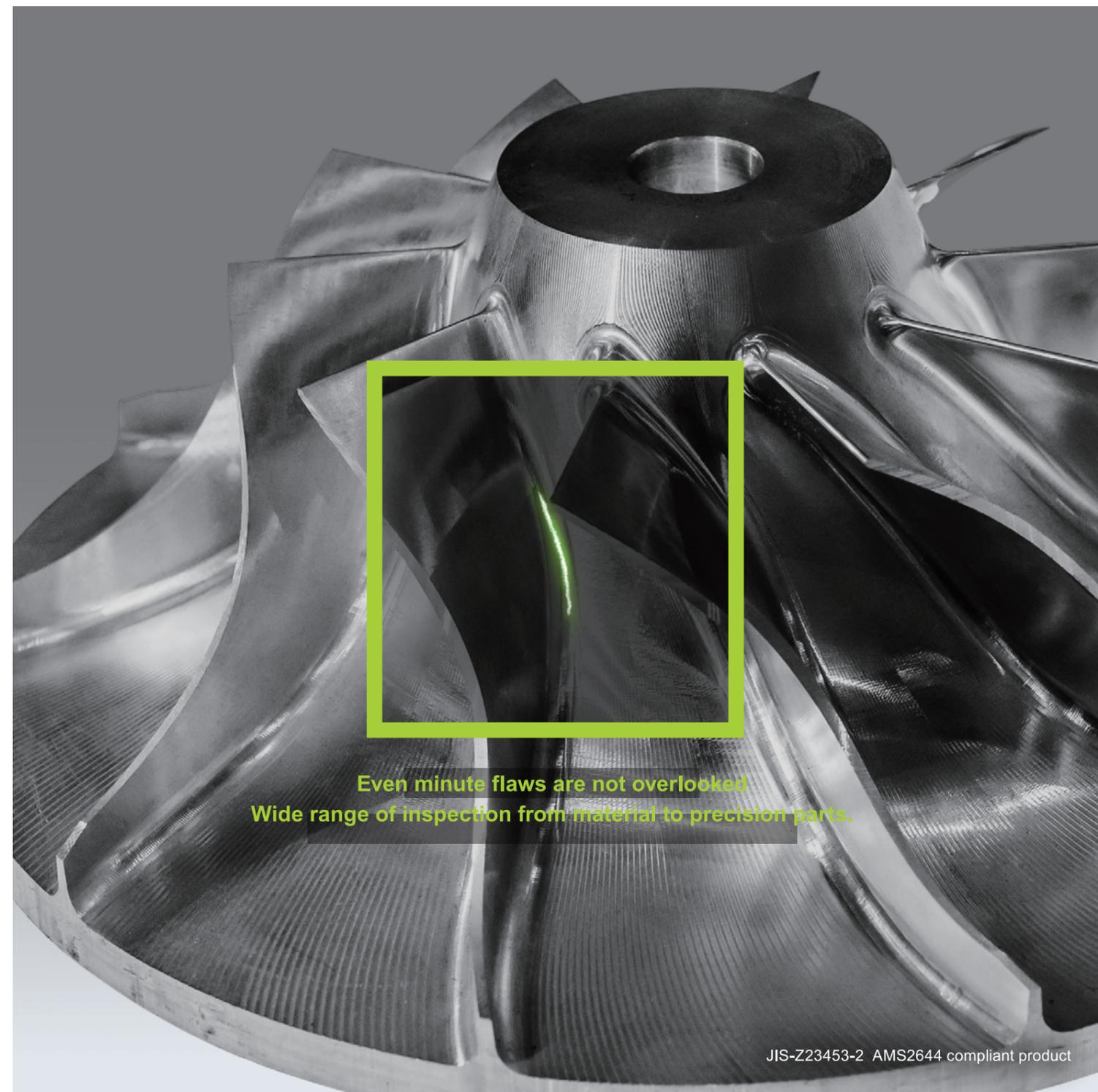


<https://www.eishinkagaku.co.jp/>

Fluorescent Penetrant Testing

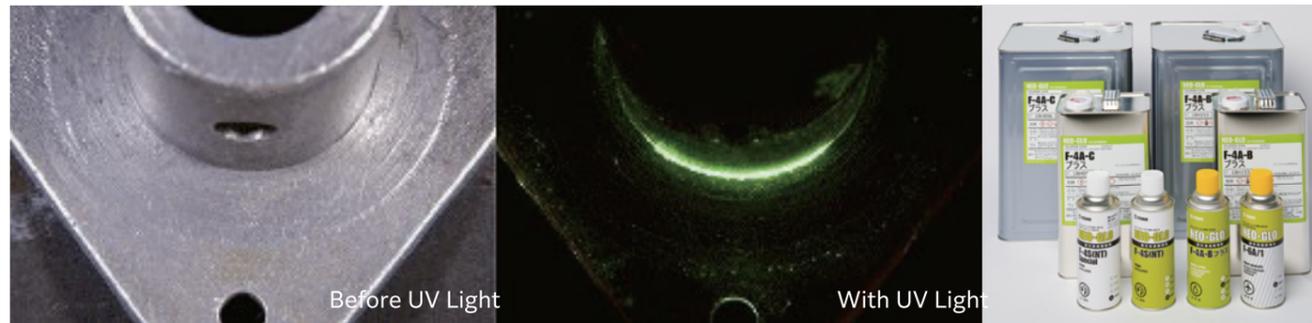
NEO-GLO

More sensitive, Easier to use, and More efficient Non-Destructive Testing.

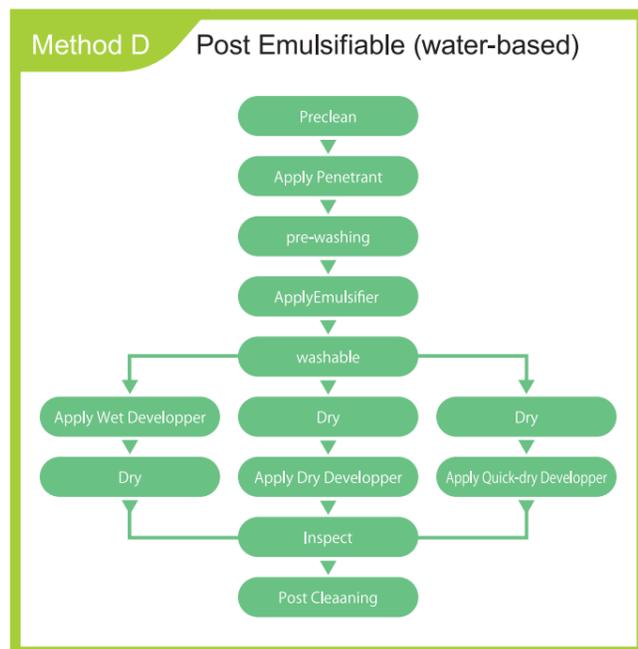
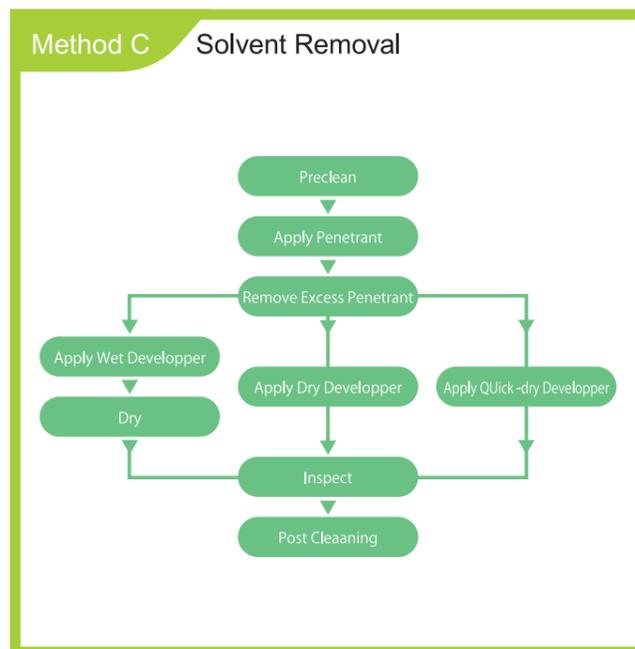
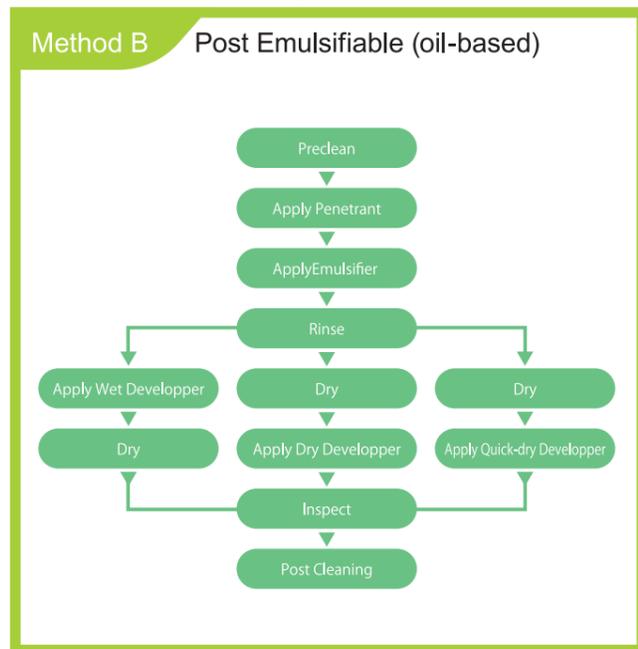
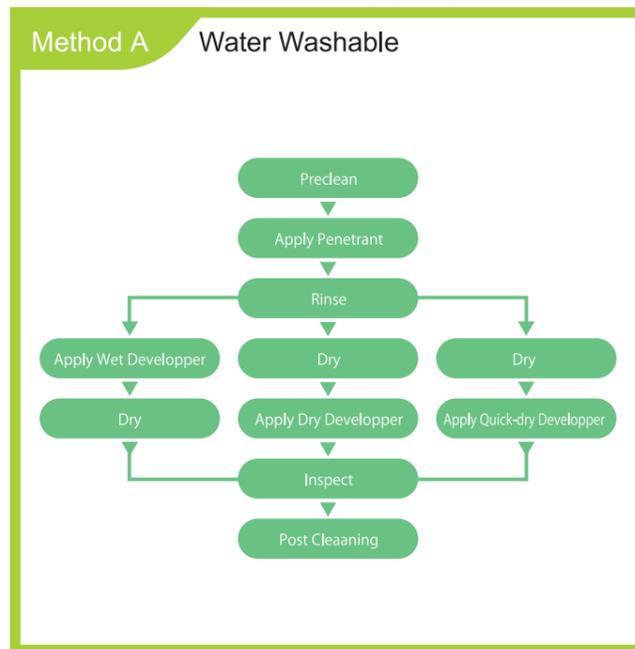


Even minute flaws are not overlooked
Wide range of inspection from material to precision parts.

Fluorescent Penetrant Testing (FPT) is a non-destructive testing method that detects surface-breaking defects in a wide range of materials by applying a fluorescent penetrant and using UV light to visualize any penetrant that has been drawn out of the defects..



Fluorescent Penetrant Testing (FPT) procedure, which is governed by a set of guidelines and standards.



Water Washable series. **Standard type of Fluorescent penetrant**

Category	Product name	Features	Standards
			JIS
Penetrant	F-4A-WE plus	Water-based fluorescent penetrant, no flammable. Can be used to inspect rough inspection surfaces, ceramics, plastics, and porous materials.	
	F-4A-Au plus	Ideal for High-volume parts flaw detection of casting and other products with rough surfaces and relatively large flaws.	
	F-4A-B plus	Match a wide range of inspection. Sensitivity level 2.	○
	F-4A-B plus(T)	Better wastewater treatment and low-odor than B-plus. Sensitivity level 2.	○
	F-4A-C plus	Low amount of drainage and good detectability. Sensitivity level 2.	○
	F-4A-E plus	Ideal for detecting microscopic flaws. Sensitivity level 3.	○
Developer	F-4S(NT)	Quick dry developer.	○
	F-5D/1	Dry developer.	○
	F-5D Special 2	Dry developer. It's low sulfur, low halogen and can be used in nuclear applications	○
	F-4W-SP/1	Aqueous wet developer. Use a mixture of water and developing powder.	○
Remover	R-1M(NT)	Most standard and versatile remover/cleaner	○
	R-3M(NT)	Removal solution for water spray rinse	

Oil-water separation Separates penetrant in cleaning wastewater, enabling recycling of cleaning water. It can be reduced cleaning wastewater to about 1/10.
Aircraft engine manufactures quality *P&W: Pratt & Whitney RR: Rolls-Royce

Category	Product name	Features
Penetrant	FB-3100K	Ideal for detecting large flaw.
	FB-3100C	Better detectability than FB-3100K. Also capable of detecting penetration defects in castings such as engine cases.
	FB-3500A	Better detectability than FB-3100C. It's also capable of detecting penetration defects.
Developer	RB-1SD(NT)	Wastewater can be recycled when the developer post-treatment is washed with water. (aerosol type)

AMS2644 quality Can be used in the aerospace field. AMS2644 quality also listed in QPL.
Aircraft engine manufactures quality *P&W: Pratt & Whitney RR: Rolls-Royce

Type	Product Name	Methods	Sensitivity	Features	Aircraft engine manufacture	
					P&W	RR
Penetrant	F-4A/3	Method A Water Washable Method C Solvent removal	1	Fluorescent penetrant used in water washing or solvent removal.		
	F-4A-B/3		2		○	○
	F-4A-C/3		3		○	○
	F-4A-C/4		3			
	F-4A-E/3	4				
	F-5L-SP/3	Method B Post Emulsifiable (oil-based) Method C Solvent removal Method D Post Emulsifiable (Water-based)	2	Fluorescent penetrant used in post-emulsification or solvent removal.	○	○
	F-6A/3		3		○	○
	F-6A-SP/3		3		○	○
4			○		○	

Type	Product Name	Methods	Features	Aircraft engine manufacture	
				P&W	RR
Emulsifier	F-5E-SP/3	Oil-based emulsifiers for Method B	Cost effective due to low viscosity. Less prone to emulsification uneven.		
	F-6E-W/3	Water-based emulsifiers for Method D	Dilute to certified concentration of 20% or less. Good emulsification and less prone to uneven emulsification.	○	○
Remover	R-1M(NT)	Class(2) -chlorine-free	Removers used in Method "C" solvent removal.		○
	R-1M(NT)/1		Removers used in Method "C" solvent removal.		○
Developer	F-5D/1	Form a : dry type	Flaw is clearly recognizable.	○	○
	F-4W-SP/1	Form c : water suspension type	Suspend in water and use.		
	F-4S(NT)/1	Form d : quick-drying type	Easy to carry because of aerosol.	○	○