

PRODUCT OVERVIEW

Power Electronics

The following cleaning media are recommended for the removal of flux residues after die attach.

Our Technical Centers in Europe, America and Asia are at your disposal to help you to determine the most suitable cleaner for your Power Electronics application:

- ▶ World's largest selection of spray-in-air, ultrasonic or spray-under-immersion machines - inline and batch systems - from leading equipment manufacturers.
- ▶ Individual and comprehensive advice by local ZESTRON process engineers.
- ▶ Inspection of cleaning results according to international standards within one day.

To conduct free-of-charge cleaning trials, please contact us at: techsupport@zestron.com

Application		Power Electronics		
		Power LEDs	Power Modules DCB / IGBT	Leadframe based discretes
Water-based	Ultrasonic Equipment Centrifugal Equipment Spray-under-Immersion	HYDRON® SE 220 / HYDRON® SE 230A		
		VIGON® A 250		
		VIGON® N 600		
		ATRON® AC 205		
	Spray-in-Air Equipment (inline & batch)	VIGON® PE 180		
		VIGON® PE 190A		
		VIGON® PE 200		
		VIGON® N 600		
		VIGON® A 201	VIGON® PM 105	
		VIGON® A 250		
ATRON® AC 205				
ATRON® AC 207				
Solvent-based	Ultrasonic Equipment	ZESTRON® FA+		
		ZESTRON® DW		
	1-chamber vacuum			ZESTRON® VD
Co-Solvent/HFE process		ZESTRON® CO 150		

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Japan
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Korea
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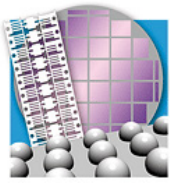
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Technical Centers – Test Machine and Chemistry – Free



Only ZESTRON offers tests in seven Technical Centers in Europe, USA, South Asia, East and South China, Korea and Japan:

- ▶ Worldwide biggest uncommitted assortment of more than **70 cleaning machines** of international leading manufacturers (spray- and immersion processes, inline- and batch).
- ▶ Advice by our experienced process engineers in cleaning trials to find the best and most economic combination of machine and cleaning medium for your new process.
- ▶ Get an overview within only one day.



Technical Centers - ❶ Europe, ❷ Americas, ❸ South Asia, ❹ East China, ❺ South China, ❻ Korea, ❼ Japan
Cleaning Process trials under Production Floor Conditions

Free-of-charge Cleaning Trials

Visit us at one of our Technical Centers or send us parts for cleaning trials! We will:

1. Test different cleaning machines and cleaning agents to define the optimal process solution for your requirements
2. Analyze the results immediately in our Analytical Center according to international standards
3. Provide you with a detailed Technical Report including an objective & independant process recommendation

Contact ZESTRON's Process Engineering Team for free-of-charge cleaning trials.

Advantages of ZESTRON Cleaning Technologies

MPC[®] Technology - VIGON[®]

- ▶ No flash point
- ▶ High bath loading capacity
- ▶ Low maintenance costs
- ▶ Closed loop process

HYDRON[®] Technology

- ▶ Single-phase formulation
- ▶ Good processability in machines with insufficient mixing of the cleaner

FAST[®] Technology - ATRON[®]

- ▶ New generation of surfactants
- ▶ Developed for spray-in-air applications
- ▶ No flash point
- ▶ Excellent rinse capability

ZESTRON[®] Solvent Technology

- ▶ Wide process window in cleaning performance
- ▶ Long bath life time
- ▶ Halogen-free, high flashpoint

Visit us online

www. **ZESTRON** .com

or contact us directly at:

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