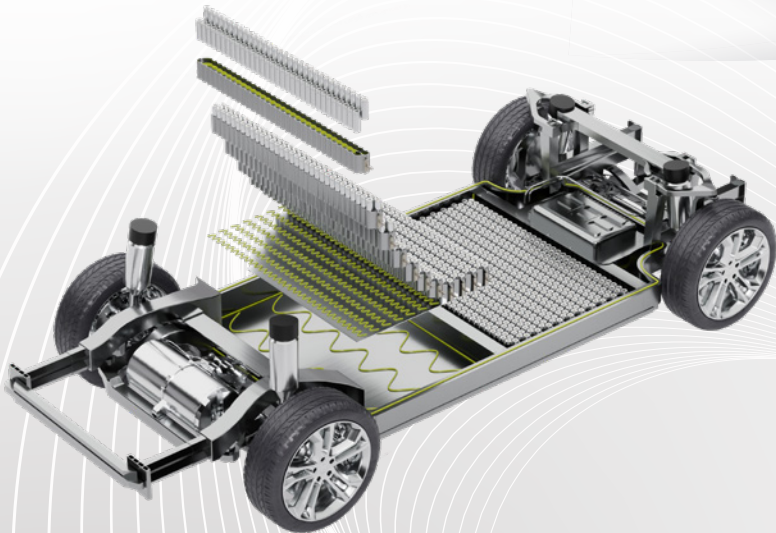
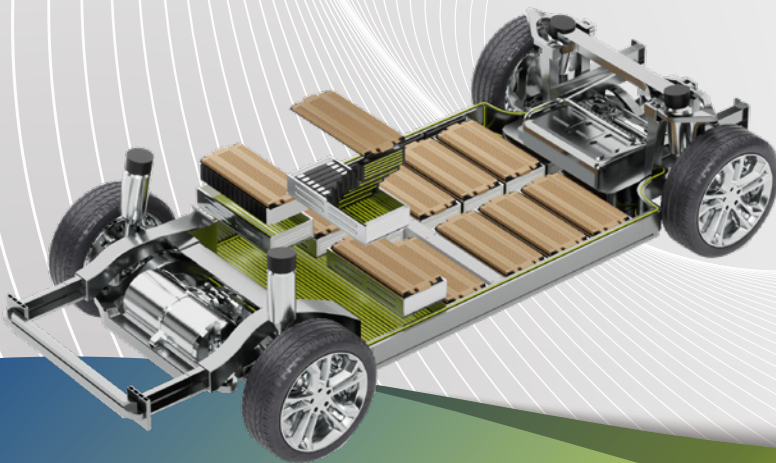


BATTERY MANUFACTURING SOLUTIONS

Accurate and robust equipment for all applications



- Fire protection coating
- Structural bonding
- Enclosure sealing
- Underbody sealing



- Gap filler
- Thermal conductive adhesive
- Dielectric coating for cooling plates
- Dielectric coating
- Prismatic cell bonding



BOND • PROTECT • BEAUTIFY

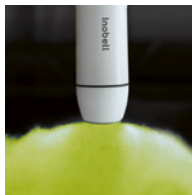
www.sames.com

Why choosing Sames?

At Sames, we stand out as pioneers in providing solutions for precise and reliable application of materials within EV batteries:

DIELECTRIC COATING

1 2 3 Our state-of-the-art equipment ensures uniform and reliable insulation between battery cells, contributing to the safety and performance of EV batteries.



GAP FILLERS AND THERMALLY CONDUCTIVE ADHESIVES

6 Our equipment enables precise dosing and application of materials for optimal thermal management within the battery pack.



ADHESIVE APPLICATIONS

4 We offer precise control and consistency in bonding cells and module frames, ensuring the structural integrity of the battery pack.

FIRE PROTECTION

5 We facilitate the controlled distribution of fire protection materials within battery packs, enhancing safety measures during thermal runaway situations.

SEALING SOLUTIONS

7 8 Our equipment ensures accurate and uniform sealing, preventing moisture and contaminants from compromising battery pack durability.



WITH A COMMITMENT TO QUALITY, SAFETY, AND EFFICIENCY, SAMES SUPPORTS YOUR MANUFACTURING PROCESS.

Technical solutions for Battery manufacturing

Applications								Technical solutions	
1	2	3	4	5	6	7	8		
Dielectric coating Prismatic Cell	Prismatic/ Cylindric Cell bonding	Dielectric coating for Cooler protection	Structural Bonding	BFP coating	Gap filler & TCA application	Enclosure sealing	Underbody sealing & coating		
UV Paint				1K Acrylic				Gun	A Airspray / Airless Solutions
		Dielectric Powder						Gun or Bell	B Electrostatic Powder
			1K Acrylic PU			1K Acrylic Silicon		Regulex	C Low vol.
	PU Silicon		1K Epoxy PU Cyanoacrylate MS Polymer					iKS1 Dosing unit from 50 to 400cc	D Low to Medium Volume
						Butyl		High temperature application	E
				1K Acrylic	1K Silicon PU, Epoxy MS Polymer		1K PVC	L1K Infinitec	F High Volume L1K
			2K Epoxy PU		2K Silicon PU, Epoxy MS Polymer			iKS1 400cc x2	G Low to Medium Volume
				2K Epoxy PU	2K Silicon PU, Epoxy MS Polymer			iKS 600cc x2	H High Volume
				2K Epoxy PU				Infinitec 2K	I



DIELECTRIC COATING FOR PRISMATIC CELLS

Solution to spray an even thickness of dielectric coating:

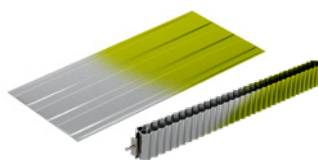
UV Paint with solution **A**



PRISMATIC AND CYLINDRIC CELL BONDING

Solution to dispense adhesive on cells:

PU Silicon with solution **D**



DIELECTRIC COATING FOR COOLER PROTECTION

Solution to spray an even thickness of dielectric coating:

Dielectric powder with solution **B**

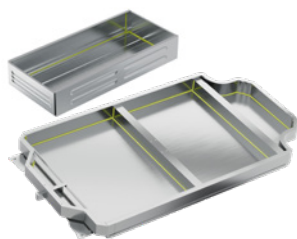


ENCLOSURE SEALING

According to your material and cycle time process, please choose the right solution for enclosure sealing:

1) 1K Acrylic Silicon with solution **C**

2) Butyl with solution **E**



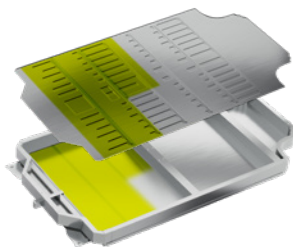
STRUCTURAL BONDING

According to your material and cycle time process, please choose the right solution for structural bonding:

1) 1K Acrylic PU with 1K High viscosity with solution **C**

2) 1K Epoxy PU, Cyanoacrylate, MS Polymer with 1K High viscosity with solution **D**

3) 2K Epoxy PU with 1K High viscosity with solution **G**



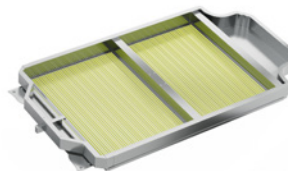
BATTERY FIRE PROTECTION COATING

According to your material and cycle time process, please choose the right solution for Fire Protection:

1) 1K Acrylic with solution **A**

2) 1K Acrylic with solution **F**

3) 2K Epoxy PU with solution **H**



GAP FILLER & THERMAL CONDUCTIVE ADHESIVE APPLICATION

According to your material and cycle time process, please choose the right solution for Gap filler or Thermal conductive adhesive:

1) 1K Silicon PU, Epoxy, MS Polymer with solution **F**

2) 2K Silicon PU, Epoxy MS Polymer with solution **G**

3) 1K Silicon PU, Epoxy, MS Polymer with solution **H**

4) 2K Silicon PU, Epoxy MS Polymer with solution **I**

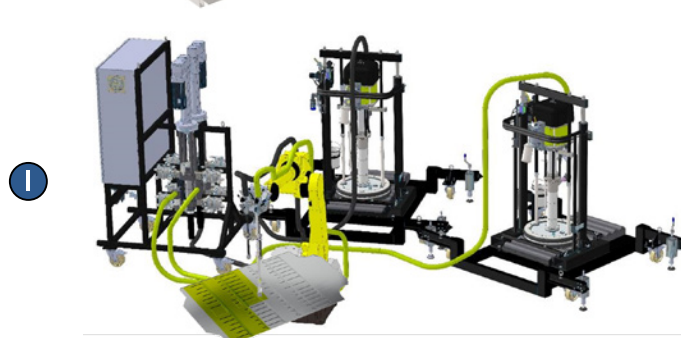
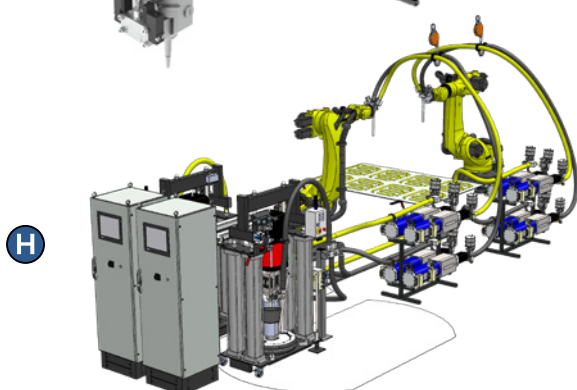
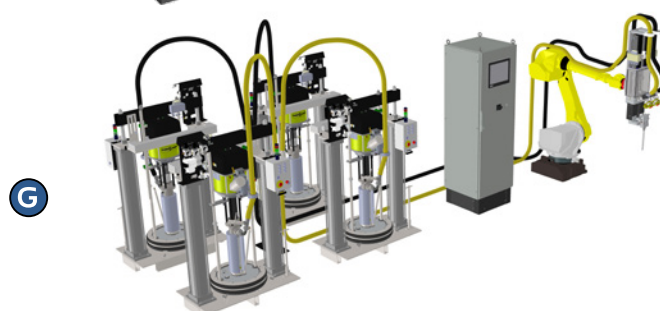


UNDERBODY SEALING AND COATING

Solution to dispense sealant beads or spray sealant coating:

1K PVC with solution **F**

Technical solutions to pump, dose and apply your materials





Turnkey projects

Our engineering team is available to study your projects and fulfill your expectations.
We are designers and manufacturers of process equipment that is divided into 4 ranges:

sames intec

Sealant and adhesives application solutions



sames nanocoat

Liquid coating application solutions for rotating bells, with and without electrostatic



sames kremlin

Liquid paint application solutions
(Airspray, Airmix® and Airlless® technologies)

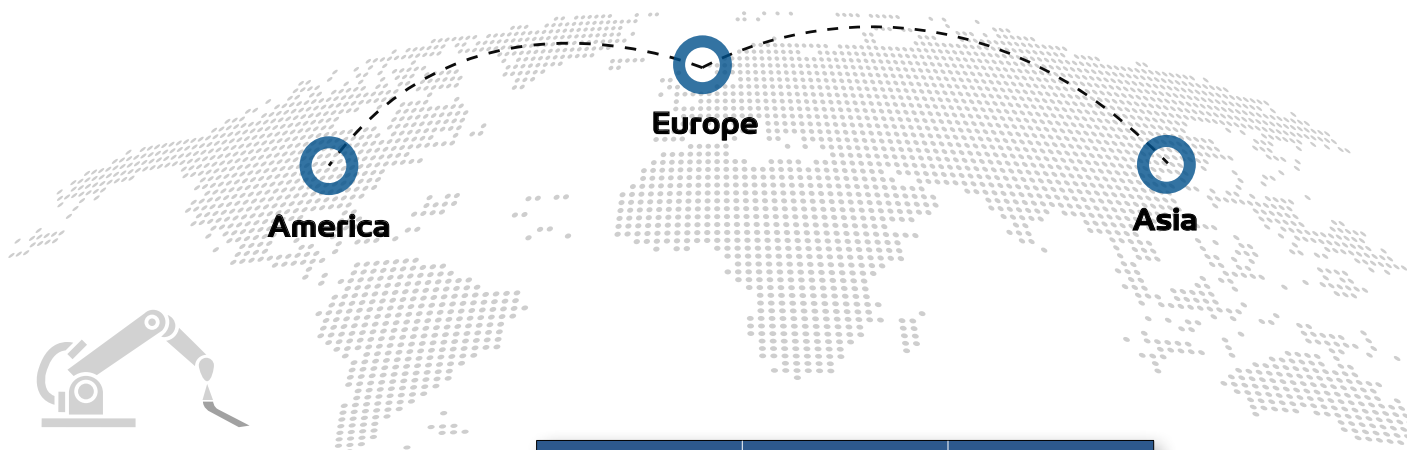


sames inocoat

Powder coating application solutions



Demo and Training centers



	AMERICA	EUROPE	ASIA
BODYSHOP	Plymouth (US)	Erftstadt (DE)	Shanghai (CHN)
		Stains (FR)	
PAINTSHOP	Plymouth (US)	Meylan (FR)	Shanghai (CHN)
TRIMSHOP	Plymouth (US)	Erftstadt (DE)	Shanghai (CHN)
BATTERY	Plymouth (US)	Erftstadt (DE)	Shanghai (CHN)
		Stains (FR)	



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