



JSR Corporation

## JSR and Palm Technology use **SIMONA PP-H Eurogrey** for Type-II anodized line



Top: Wegener Butt Fusion Welder; bottom left: Extrusion welds within the tank; bottom right: Hot gas welds within the tank

Palm Technology has several DVS-certified welders that have experience with plastics. To ensure quality, long service life, and durability against extensive chemical contact, Palm trusts Wegener welding equipment to provide consistent welds with SIMONA AMERICA Industries' plastic material.

When tasked to build a Type-II anodized line, Charles Johnson, President of Palm Technology, sought out SIMONA® PP-H to combat the strong acids and alkaline chemistries to create a line that would last. Charles, who has been with Palm and serving the surface finishing industry for more than 30 years, counts on SIMONA AMERICA Industries for not only quality plastic but quality service. His favorite part of SIMONA AMERICA Industries is the peace of mind that his customers are getting the best product in their budget without cutting quality.

### The project at a glance

#### Project

Tasked to build a Type-II anodized line, Charles Johnson (President of Palm Technology) sought out SIMONA AMERICA polypropylene to combat the strong acids and alkaline chemistries to create a line that would last.

#### Requirements

- High chemical resistance
- Attractive appearance
- Easy processing capability for milling
- Sustainability
- Reliability

#### Fabricator

Palm Technology

#### End user

JSR Corporation

#### Technical consultants

SIMONA Technical Service Center

#### Products used

- PP-H Eurogray
- ¾ in, 1 in



From left to right: SIMONA® PP-H Sheeting and rod; SIMONA® AMERICA Industries headquarters; White SIMONA® PP-H material

## SIMONA® PP-H Eurogrey allows for more chemical resistance and a higher quality appearance.

### Initial Situation

When JSR wanted to move their architectural aluminum frames business from California to Hutto, Texas, they reached out to Palm Technology to create a Type-II anodized line that would last. Type-II anodized lines use various acids and alkaline solutions to coat the surface of aluminum in order to increase their resistance to oxidation. Lines traditionally made out of metal process tanks have a much shorter lifespan due to the nature of the chemicals they come in contact with on a daily basis.

Palm Technology provides solutions for customers in need of materials that can withstand extreme chemicals. Palm began specializing in Electroless Nickel Tanks and perfected their technique before expanding their reach into a variety of chemical processing tanks. These tanks can be completely customized by their customer's engineers or designed by Palm's in-house engineers. Their welding experience and dedication to using plastics extends seamlessly into the tank industry.

### Task

JSR specializes in architectural aluminum frames. This specialty requires using a type-II anodizing line to use sulfuric acid to improve the corrosion resistance of the aluminum. Previously, JSR would send out their products to get anodized but decided to do everything in-house after moving the company to Texas.

### Solution

Using SIMONA® PP-H Eurogrey gave Palm Technology the opportunity to work with material that offers permanent-heat stability, easy machinability, a higher quality appearance, long-term rigidity, resistance to chemical leaching, and high chemical resistance. It is perfect for use in chemical tank and equipment construction.

### SIMONA® PP-H Eurogrey

#### Properties

- High rigidity
- High chemical resistance
- High impact strength
- Attractive appearance
- High heat deflection temperature
- Easy processing
- Sustainability

#### Fields of application

- Chemical tank and equipment construction
- Orthotic and prosthetic
- Laboratory and cleanroom cabinetry and furniture
- Food processing components
- Air conditioning and ventilation systems

#### Product range

- Extruded sheets
- Welding rods
- Rod

### Further information

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