

# Plating

Corrosion resistance for longer lasting substrates and components



## AZZ SURFACE TECHNOLOGIES PLATING CAPABILITIES

- Sandblasting surface preparation
- Anodizing
- Zinc plating
- Zinc phosphate coating
- Nickel plating
- Chromate conversion plating
- Chemical film
- Embrittlement
- Silk-screening
- Passivation
- Dry film lubricant application



## Durable protection, high-spec capabilities, and operational agility

AZZ Surface Technologies' automated plating operations have large-scale production capacity and provide fast turnaround times, enabling us to integrate seamlessly into your supply chain. Our state-of-the-art technologies provide durable corrosion protection for substrates and components of varying sizes, as well as high-spec, intricate designs.

## A wide variety of plating options for critical applications

Plating provides a superior level of corrosion protection for substrates and components of varying sizes through electroplating, which utilizes an electric current, or through an autocatalytic chemical process. These techniques also provide various enhancements to functionality, such as:

- Increased solderability
- Enhanced strength
- Reduced friction
- Altered conductivity
- Enhanced paint adhesion
- Increased magnetism
- Enhanced aesthetics

AZZ Surface Technologies utilizes stringent saltwater spray testing, as well as independent lab testing, to ensure the quality of our plating processes and the durability of the protection they provide.

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## Multiple locations provide flexible capacity with on-time deliveries

AZZ Surface Technologies operates a network of facilities serving North America, which have earned a significant number of certifications and accreditations for meeting the stringent quality standards of the industries we serve.

- **AS9100** (aerospace quality management)
- **Caterpillar** (heavy equipment)
- **General Dynamics** (aerospace and defense)
- **ISO** (quality management)
- **NADCAP Quality** (aerospace and defense)
- **PACCAR** (automotive)

## The key to ensuring a quality, consistent finish

Surface preparation is critical to attaining a high-quality finish. AZZ Surface Technologies has extensive expertise in sandblasting, which efficiently and effectively smooths rough edges and repairs surface blemishes. Our sandblasting capabilities extend to parts as large as 40 feet in length, and our quality control measures, in accordance with our ISO 9001 certification, ensure an optimal surface for comprehensive and consistent coating.

One aspect of our quality control is the daily stripping of the hooks, racks, fixtures, and steel parts used in our operations. The process ensures the proper grounding and consistent coverage of the parts to be finished the following day.

### **AZZ Inc.**

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