

# Full Line of Glass Processing Solutions — Acecut, Acecool, and More

Chemetall manufactured and available in North America — Get in touch today!



## Start your finish with us!

- ⊕ Global product line manufactured in North America
- ⊕ Best-in-class glass fabrication solutions
- ⊕ Extensive technical expertise
- ⊕ Comprehensive on-site local engineering support
- ⊕ Fast and accurate lab analysis

We will help you optimize your processes, and your customers will realize the results!

## Top quality products

- ⊕ Cutting fluids
- ⊕ Coolants
- ⊕ Interleaving powders (Lucor)
- ⊕ Coagulants and flocculants
- ⊕ Polishing compounds
- ⊕ Liquid stain protection

**BASF**  
We create chemistry

**Chemetall**  
expect more<sup>⊕</sup>

# Quality glass reflects well on you



## Cutting fluids

Reduce chips, keep your cutting tables clean, and keep the score open for soft breakout.

<b>Acecut 5503 U</b>	Fully evaporative cutting fluid designed to cut coated glass and float glass for automotive and architectural fabrication.
<b>Acecut 5929 U</b>	Fully evaporative cutting fluid with a slower evaporation rate designed to cut warm or hot glass, or where the glass waits before breakout.
<b>Acecut 6000 U</b>	Washable cutting fluid designed to cut complex shapes and curves, and to cut heavy glass 4 to 25 mm thicknesses.

## Coolants

Improve the quality of your edge grinding, drilling, beveling, and keep the glass fines soft.

<b>Acecool 6553</b>	Fully synthetic, high performance coolant for high speed glass grinding and drilling. Designed for high throughput, excellent edge quality, and increased tool life.
<b>Acecool 5679</b>	Fully synthetic coolant designed for architectural and automotive glass grinding and drilling. Keeps the glass swarf soft.
<b>Acecool 6563</b>	Fully synthetic coolant for edge working, drilling, sawing, and beveling of automotive, architectural and solar glass. Special non-foaming formula.
<b>Coagulants and Flocculants</b>	Specific products available which are widely used throughout the glass industry.





## Interleaving powders (Lucor)

Stain protection and separation during storage and transport.

<b>AL-55</b>	Acrylic beads with adipic acid for separation and stain protection.
<b>AX-64</b>	Acrylic beads with added adipic acid for improved stain protection.
<b>BL-55</b>	Acrylic beads with boric acid for separation and stain protection.
<b>47-GS</b>	Acrylic beads without stain protection for flat, tempered, and soft coated glass.
<b>CG-110</b>	Acrylic beads without stain protection for soft coated low e-glass types.
<b>CB-1</b>	High performance product with very tight particle size distribution for soft coated glass.
<b>UME</b>	Ultra-high molecular weight powder for hard coatings and mirrors.



## Polishing compounds

Remove strong adhering impurities and initial glass corrosion.

<b>Acepol AL</b>	Special polishing agent based on aluminum oxide for polishing/cleaning glass before sputtering.
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## Innovative engineering

- + On-site technical support
- + Audits and laboratory analysis
- + Maximize tool life
- + Minimize consumables
- + Professional recommendations to increase sustainability and productivity

# Emerging trends in glass fabrication and coatings



## Automotive

- Smart Glass changes transparency, opacity, or color in response to sunlight, temperature, or rain
- Augmented Reality (AR) windshields enhance driver safety, navigation, and awareness
- Advanced Driver Assistance for Wi-Fi, collision warnings, lane departure, and adaptive cruise control
- Energy Efficient Glass coatings minimize heat transfer improving fuel efficiency



## Architectural

- Smart Glass transparency, opacity, self-cleaning, UV blocking, and scratch resistance
- Processing for complex angles, intricate shapes, and consistent sizing
- Performance under temperature changes through cyclic heating and cooling conditions
- Energy efficiency, machinability, and moldability to deliver precision, throughput, and visual appeal



## Solar

- Solar glass coatings provide anti-reflective properties to concentrate sunlight
- Solar glass requires multiple layers to provide reliable power transmission and endure harsh conditions
- The interior glass is crucial to protect the photovoltaic cells from dirt, water, and moisture
- The entire structure is shielded by a specialized layer of coated glass

*Cut it. Clean it. Coat it. Control it. Conserve it.*

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