Metal Electrode Chamber Maintenance Manual

Devices such as MEAs with metal electrode plate materials, flow cells, solid-state electrolyzers, and battery stacks (excluding gold-plated electrolyzers) need to be periodically polished and maintained based on their actual surface condition.

Preparation: sandpaper of 240, 2500, 5000 grit, or other grit sandpaper.

1. Inside the flow channels, coarse sandpaper (lower grit) can be used. Cut the sandpaper into thin strips, fold them, and rub back and forth inside the channel.

2. For polishing the electrode plate cavity surface, use high-grit fine sandpaper. Start with 2500 grit for rough polishing, then use 5000 grit for fine polishing.

3. After polishing, rinse thoroughly with clean water and dry.

Before polishing

After polishing