

# Austrian SME is seeking industrial partners in the field of aluminum etching

## Summary

Profile type

**Technology request**

Company's country

**Austria**

POD reference

**TRAT20260526015**

Profile status

**PUBLISHED**

Type of partnership

**Commercial agreement with  
technical assistance**  
**Research and development  
cooperation agreement**

Targeted countries

• **All countries**

Contact Person

**[Enrico FRANZIN](#)**

Term of validity

**26 May 2026**  
**26 May 2027**

Last update

**26 May 2026**

## General Information

### Short summary

An Austrian SME successfully developed a technology for the functionalization of aluminum surfaces to make them suitable for subsequent soldering processes, such as those used in the electronics and printed circuit board industries. For the further development the SME is seeking industrial partners with experience in etching chemicals and/or processes for aluminum structures. Following development joint commercialization is offered.

### Full description

The Austrian SME, founded in 2012, develops innovative technologies for surface functionalization, with a particular focus on the metallization of technical substrates. Together with their partners, they can draw on many years of experience in plasma technology, systems engineering and production automation.

A key area of application is the functionalization of aluminum surfaces to make them suitable for subsequent soldering processes, such as those used in the electronics and printed circuit board industries. This makes it possible to replace the conventionally used copper with aluminum, which is cheaper and much lighter.

The Austrian company already has established market access to the electronics industry and specifically targets applications in the fields of printed circuit boards, electronic assemblies, and innovative connection technologies.

As part of the further development of this technology, the SME is now seeking industrial partners with experience in etching aluminum structures, such as those typically found in printed circuit boards and electronic assemblies.

## Advantages and innovations

### Technical specification or expertise sought

Potential partners could include, for example:

- manufacturers of chemicals for aluminum etching
- chemical processors or process service providers for aluminum etching
- equipment manufacturers with expertise in etching and inline processing

Ideally, partners should come from the following fields:

- etching of formed parts,
- spray etching of fine metal structures,
- or continuous inline etching processes for metallic materials.

The Austrian SME is looking for partners who:

- can provide suitable etching chemicals and process chemicals,
- possess in-depth expertise in etching processes and integration into industrial manufacturing processes,
- actively support joint technological development,
- and are interested in the subsequent joint marketing of the technology in the printed circuit board and electronics markets.

Of particular importance is a process chemistry that can be implemented as simply, reliably, and cost-effectively as possible on existing etching lines in the electronics industry or on lines modified with minimal effort.

### Stage of development

### Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 13: Climate Action**
- **Goal 12: Responsible Consumption and Production**

### IPR Status

### IPR Notes

## Partner Sought

#### Expected role of the partner

The goal of the collaboration is to develop an industrially scalable end-to-end process combining surface functionalization and aluminum etching technology. Following successful development, joint commercialization is planned, for example through:

- direct supply of materials (aluminum foils) and etching chemicals to customers in the electronics industry,
- joint process solutions for customers in the electronics industry,
- or partnerships under a licensing or technology model: granting licenses to customers who then also purchase the etching chemicals under the terms of the agreement.

The Austrian SME contributes its expertise in plasma- and surface-based functionalization technology as well as access to the relevant target market and is seeking partners who can complement its chemical and process engineering expertise in the field of aluminum etching.

#### Type of partnership

**Commercial agreement with technical assistance**  
**Research and development cooperation agreement**

#### Type and size of the partner

- **SME 11-49**
- **SME <=10**
- **SME 50 - 249**
- **Big company**

## Dissemination

#### Technology keywords

- **03004010 - Special chemicals, intermediates**
- **02007011 - Non-ferrous Metals**
- **02002015 - Surface treatment (painting, galvano, polishing, CVD, ..)**
- **02002004 - Erosion, Removal (spark erosion, flame cutting, laser, ..)**
- **01002010 - Printed circuits and integrated circuits**

#### Targeted countries

- **All countries**

#### Market keywords

- **08001020 - Electronic chemicals**
- **03001009 - Other electronics related (including keyboards)**
- **03001007 - Circuit boards**

#### Sector groups involved

- **Energy-Intensive Industries - BioChemTech**
- **Electronics**