

🏠 Directory

< Rolling Stock

FinnProfiles

Sealing Solution Manufacturer, FinnProfiles, Is Also Taking Over the Moulding Business!



FinnProfiles's Sales Manager and moulded product specialist, Sari Laihonen, is confident that customers in the railway industry will benefit from the company's new broader product range

The railway industry's trusted sealing profile manufacturer is gearing up to be a comprehensive polymer solution supplier. In addition to its extruded profiles, flat gaskets and wide-ranging post-production services, the company now offers silicone and rubber moulding products.

In recent years, Finland-based FinnProfiles has invested heavily in moulding production, especially silicone injection moulding. Due to hard work, the company is finally ready to announce that the machines are running and production is up and running.

In addition to its silicone injection moulding machines, the company has compression moulding for rubber and silicone products.

Sari Laihonen is Moulded Product Specialist at FinnProfiles.

Question: Why did you expand to moulded products in the first place?

Sari Laihonen: Over the years, several customers have asked us if we can manufacture moulded parts, and we always had to decline. Now those days are over since the combinations of profiles and moulded parts are possible.

Q: Was it a tough call?

SL: I believe that our company’s management gave it serious thought and decided that FinnProfiles wanted to be a partner that could deliver the broadest possible service concept. We aim to be a reliable and versatile polymer expert for our customers.

Q: What kind of products are you able to produce with your moulding machinery?

SL: With the current injection moulding machines, we can offer simple seals to challenging multidimensional products with texture, holes, ridges or shoulders. The products are burr-free and high-quality otherwise, too. Thanks to the automated mould technology, we can offer large batch sizes, but smaller series with more affordable moulds are also possible.

Q: How would you describe your advantages as a polymer solutions partner?

SL: We can serve our customers with a ‘one-door tactic’ since our services include profiles, flat gaskets, moulding products, and a wide range of post-production services, such as taping, surface treatments, cut-ups, perforations and vulcanised joints. I guess flexible and versatile is a proper definition. In other words, partnership with FinnProfiles reduces the number of different suppliers and simultaneously

increases the number of innovative sealing solution options.

Q: What opportunities does your moulding production offer to the railway industry, then?

SL: In addition to profiles and gaskets, we can now manufacture various ready-to-install entreties, such as smaller gaskets, corners, grommets, plugs, bellows or other cover strips from fire-resistant silicone. We can also do overmolding of handles or other aluminium parts in the mould. Our customers’ possibilities are now infinite, as we like to say here in FinnProfiles.

Q: What about the materials and their suitability for the railway industry? Are fire and smoke standards met in your moulded parts?

SL: Our materials are suitable for the railway industry. We are compliant with all of the following fire and smoke standards: EN 45545-2, DIN 5510-2, NF F 16-101, BS 6853, NFPA 130.

Q: If I need moulded parts, how would we get started?

SL: All you need is an idea of a product, and we can help you from there. However, in many cases, the customer has a sketch or drawing of a product. Then we map out all the relevant information about the operating



One of FinnProfiles’s silicone injection moulding machines



A moulded corner part made of light grey silicone. “This is a fine example of a combined solution. Four corners like this and extruded silicone profiles will form a sealing frame solution for our customer,” Laihonen says

environment and additional exposures that the solution will face. After this, we analyse the entity, draw a draft, or possibly give a few improvement suggestions if the customer already has a drawing. Then we provide an offer and a production time for the mould and create a 3D-printed product prototype. After the mould is ready, the first sample pieces will be made, and then, if you give us the green light, we’ll proceed to actual production.

Q: In which phase of the project should we contact you?

SL: As early as possible since we like to participate in projects already in the design phase. This way, we can help you to get the best possible outcome and possibly reduce mould manufacturing costs. We know the rail industry’s certificates, and due to our know-how of materials, we can also help with material selection.

Q: What are three good reasons why the railway industry should trust FinnProfiles to manufacture their moulding products in addition to its sealing solutions?

SL: This one is easy! We have an excellent knowledge of

materials, and we know the industry’s certificates and requirements, but above all, our moulding products are of the highest quality. Our know-how of material behaviour and ability to create unique products gives our customers a huge amount of new possibilities.

finnprofiles.com



Scan the QR code to contact Sari Laihonen, Sales Manager



FINNPROFILES



Scan the QR code to contact Jarno Halme, Business Area Manager, Rolling Stock