



Press release

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Customised aluminium window solutions for every style of facade with the help of the experts from the Roto Object Business / Design and development of special hardware too / From the idea to the prototype: manufacturers of aluminium windows benefit from the expertise of the Roto Object Business

“The experts”: Roto Object Business provides advice at the BAU 2019 trade fair

Leinfelden-Echterdingen / Munich – Glass and aluminium facades play a pivotal part in many styles of contemporary architecture. Whether sculptural, technical, specialist or functional aspects – “the experts” from the Roto Object Business help to produce customised facades with hardware solutions for windows and balcony doors. They advise facade and window manufacturers, architects and inventors when it comes to designing and developing the required building elements. If required, “the experts” also develop and test new hardware solutions for non-standard elements.

To complete a facade design and to prepare offers properly and quickly, architects and facade or window manufacturers need reliable statements about the technical feasibility of the planned window solutions at an early stage. This is why the experts from the Roto Object Business ensure that any outstanding issues are specifically addressed as quickly as possible. For this, they use an extensive network of experienced specialists from system providers and the facade construction sector. As a result, they make binding statements about technical feasibility and demonstrate alternative hardware technology for different demands. This involves testing the requirements for the hardware to be used and designing tailored standard or special solutions for the property.



Visualising concepts with in-house prototype construction

Visualising the envisaged hardware solution using a prototype makes discussing possible optimisations simpler for the product that is later manufactured in series production, and accelerates the design process. For this purpose, the experts from the Roto Object Business produce samples of standard and special components in next to no time by means of 3D printing. Requests for customised colours can also be realistically reproduced.

Tested and certified

In the Roto ITC, the company's own, certified test centre in Leinfelden known as the "International Technology Centre", window and hardware tests are performed for individual project solutions in compliance with national and international standards, in the proper manner. This also lays the foundations for property-specific warranty extensions. Deadlines for customer-specific test structures are always met in good time. With the excellent flexibility this achieves for testing project solutions, preparations are designed to be time and cost-efficient right up to the start of production.

Side by side with experts

The experts from the Roto Object Business also ensure optimum operating convenience, an appealing design and the highest standards of security when it comes to specially developed hardware solutions, too. The customer services provided by the Roto Object Business also include on-site support with window production. The range of services also includes training employees from the window manufacturer during the initial production steps and adapting the flow of materials and goods in production to the specific requirements of a project. A customised logistics concept ensures short delivery times and on-time delivery during the production phase. Customer-specific labels and packaging help streamline processes and ensure reliability in the design process.



Comprehensive building management documentation

These services are supplemented by the creation of project-specific documentation and an expert after-sales and spare parts service after the project is complete. Window manufacturers, facility management and builders are provided with a reference work to assist them with all hardware-related information about the property.

Since the expansion of the Roto Object Business in 2014, the specialists from this team have been providing their services for projects on all of the world's continents. "Nowadays, it is therefore beyond dispute that Roto can be considered a highly respected and valued partner of many aluminium facade specialists around the globe," reports Jordi Nadal, Managing Director of Roto Aluvision Europe and Americas. "By regularly attending BAU in Munich, we offer existing customers and potential new clients a platform for exchanging ideas related to properties and specialist technical issues."



What does the Roto Object Business have to offer for manufacturers of aluminium windows and doors? A brochure provides information about the services of this Roto Frank AG service unit, which contributes towards the work of design engineers and manufacturers through technical support and developing hardware solutions, effective prototyping and efficient validation and certification of windows and

hardware. On request, the Roto Object Business also assists with the production of the jointly developed windows.

Photo: Roto

Roto_brochure_object_business.jpg



Effective prototyping: Roto's prototype construction visualises individual hardware solutions for aluminium window and facade elements, makes discussing possible optimisations simpler for the product that is later manufactured in series production, and accelerates the design process.

Photo: Roto

Roto_Prototyp.jpg



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Photo: Roto

Roto_ITC.jpg



Fully concealed hardware from the "Roto AL Designo" range for sash weights of up to 180 kg guarantee long-lasting functional safety for more than 1000 window sashes in the Essen office complex called "The Grid". The building facade was developed by Sommer design & security.

Photo: Roto

Roto_The_Grid_1.jpg



Sommer design & security met the requirements of the investor thanks to a lockable opening restrictor from Roto. Puristic design and efficient use are guaranteed by the combination of “Roto AL Designo” Tilt&Turn hardware and Roto opening restrictors.

Photo: Roto

Roto_The_Grid_2.jpg



The team from the Roto Object Business developed a hardware solution for the windows in the facade, which is around 19,000 m² in size, of the “Dancing Towers” in Hamburg for the manufacturer of the facade, Josef Gartner GmbH based in Gundelfingen.

Photo: Roto

Roto_Tanzende_Tuerme_1.jpg



Roto Tilt&Turn special solutions for the window sashes on the “Dancing Towers”: Turn-Only hinges and locking components from the “Roto AL” series were combined with a modified locking scissor stay, which can hold the weight of around 65 kg per sash in the open turn position even when the facade is angled outwards or inwards.

Photos: Roto

Roto_Tanzende_Tuerme_2.jpg
Roto_Tanzende_Tuerme_3.jpg



The “Business In-West” building complex on Berliner Straße in Ratingen features around 2000 aluminium windows which were installed in 1989. For more comfort and security, the landlord DO Deutsche Office AG had the windows – which were almost 30 years old – modernised with new gaskets and new Roto hardware.

Photo: Roto

Roto_Ratingen_1.jpg



“Business In-West” in Ratingen: a conversion with “Roto AL” proposed by the Roto Object Business won over the expert consulted thanks to its functionality, security and price. Since its conversion, all windows in the building complex have been protected against incorrect operation thanks to the TiltFirst technology. The bronze-coloured handles with lockable olive button are a custom-made design by Roto Aluvision to match the brown-painted aluminium window profiles.

Photo: Roto

Roto_Ratingen_2.jpg

Text and images are available to download:
<http://ftt.roto-frank.com/en/press/>

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Dr. Sälzer Pressedienst, Lensbachstraße 10, 52159 Roetgen, Germany

Publisher: Roto Frank AG • Wilhelm-Frank-Platz 1 • 70771 Leinfelden-Echterdingen • Germany • Tel.: +49 711 7598-0 • Fax: +49 711 7598-253 • info@roto-frank.com

Editor: Dr. Sälzer Pressedienst • Lensbachstraße 10 • 52159 Roetgen • Germany • Tel.: +49 2471 92128-65 • Fax: +49 2471 92128-67 • info@drsaelzer-pressedienst.de