

BaSys at the BAU trade fair 2025: Upgrades for door design & musclemen for functional doors

Following its recent joint exhibition with Nießing-Türen, Ogro + Deni and Schulte-Schlagbaum AG in the door competence network, Basys will be presenting new products at BAU from 13 to 17 January 2025 in Munich that will appeal not only to architects but also to the door and frame industry and fabricators. In addition to the expansion of the range of concealed hinges with integrated door closers, the focus will be on product developments in barrel hinge systems for commercial doors and variable hinge systems for residential doors. They are aimed at meeting increased requirements in terms of the design and functionality of doors.

With the new 'Pivota DXS 80 3-D ZA Close', Basys combines the advantages of a concealed hinge with integrated door closer and the possibility of realising frame claddings and thus the flush-to-wall design of frameless-designed doors. The hinge, which is designed for door weights of up to 80 kilograms per pair, can be adjusted in three dimensions and opened up to 180 degrees. In contrast to conventional overhead door closers, the integrated closing mechanism offers hardly any resistance. At BAU, BaSys will be exhibiting this door with a top panel that can also be adjusted in three directions thanks to the new top panel holder.

Functional doors with consistently finished hardware

MaSei Holzmanufaktur will be demonstrating at BAU just how useful it is to pull out all the stops from the Basys programme for functional doors. The small door fabricator builds doors that provide reliable protection for residents with high security requirements in the top residential neighbourhoods in the greater Munich area. These include door heights of up to 3,300 mm and element widths of up to 4,500 mm with corresponding fire, smoke and soundproof protection, doors with burglary protection class RC IV, bullet-resistant doors and low-energy and passive house doors.

The flush-mounted door on the Basys exhibition stand is equipped with three 'Pivota DX 180 Design' hinges and five safety devices. The 'Pivota Connect S' cable transition can supply a motorised lock with power or additional security devices such as a camera, intrusion detector and alarm mat. The finish of all hardware products, including the lock's foreend and the adjustable striking plate, are finely coordinated.

Discreet barrels for heavy doors

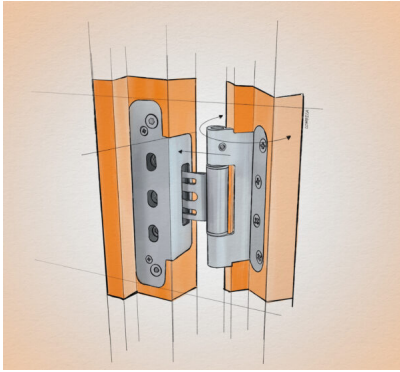
At BAU, Basys will be demonstrating that strength and slimness are not architecturally contradictory with the 'Objecta 2029/160/56-4' project hinge systems for flush-mounted doors and 'Objecta 2039/160/56-4' for rebated doors. With a roller diameter of just 20 mm, they are slimmer, but thanks to a material thickness of 4 mm, they can support doors weighing 300 kilograms like their 22 mm counterparts. There is also a variant for continuous sealings in the door panel.

Upgrade for residential doors

Following its presentation as a rebated application in a timber frame at BAU, Basys is now showing the 'STV Inclino 3-D' hinge receiver, which enables precise and simple adjustment in three directions in the lighter hinge systems for residential doors, for the first time as a weld-in variant in the steel frame (Hörmann) of a flush-mounted door. With 'STV Inclino 3-D', the hinge is tilted within the hinge receiver to adjust the side gap.

At BAU, Basys will be presenting the new 'Combica' steel hinge receiver as a way of retrofitting residential doors for greater weight, more stability and improved security. For the first time, the fixation mechanism is not welded to the base plate, but is joined together by clinching. The joining process, which achieves a reliable connection by forming the material, saves energy and thus reduces the product's CO₂ footprint.

Basys will be exhibiting at BAU as usual on stand B4.430.



Caption: One of Basys' focal points at BAU: "Combica 2647/2680 WF" with "Combica STV Inclino 3-D". The hinge is tilted within the hinge receiver to adjust the side gap. This enables precise and simple 3D adjustment, particularly in the lighter hinge systems for residential doors - in both timber and steel frames.

Photo: Basys

BaSys

BaSys stands for Bartels Systembeschläge. The family-owned company run by Albert and Jürgen Bartels has been developing, producing and selling an all-embracing range of building hardware since 1995. With its hinge and striking-plate systems, BaSys regards itself as a problem solver for door and frame manufacturers throughout Europe as well as for national and international customers from retail and the trades. In 2001, the company was the first German manufacturer to present a concealed and three-dimensionally adjustable hinge with the "Pivota" product range, initiating a new design trend in the door industry. At company headquarters in Kalletal, East Westphalia, BaSys employs around 100 members of staff.