

ALUMINIUM SYSTEMS @
HUECK
GERMAN ENGINEERING SINCE 1814

FOR YOUR SAFETY - OUR SOLUTIONS



COMPANY



German Air Navigation Services | Munich



KÖ-Bögen | Düsseldorf

HUECK – A RELIABLE PARTNER FROM THE BEGINNING TO THE END OF A PROJECT

HUECK conceives aluminium window, door and façade systems from the root. We have been extruding, constructing, planning and controlling in Lüdenscheid for 200 years with customer success as our main objective. It is the interest of every member of our company to give advice and assistance to architects, metal workers and investors in a fast, flexible and, above all, in a competent way.

The Lüdenscheid company is the only system manufacturer with its own foundry, press shop and system development at a single location.

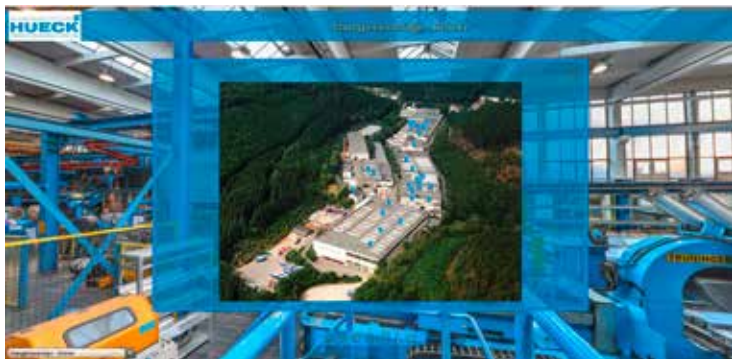
The many years of experience in tool construction, tool optimising and extrusion pressing provide customers with the support that they require to find economic solutions for challenges during construction. Hueck systems are tested and certified in accordance with international standards.

[FOR YOUR SAFETY – OUR SOLUTIONS](https://www.hueck.com)



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WE WOULD LIKE TO INVITE YOU TO OUR
VIRTUAL 360° FACTORY TOUR!



Visit our factory at our headquarters in Lüdenscheid and discover “German engineering” in our virtual factory tour. Take a look at our foundry, our state-of-the-art stamping facility or our logistics centre from a freely selectable 360° perspective. Visit us online and have a look around!



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WINDOW SYSTEMS

THE MODULAR SYSTEM WITH FUNCTIONAL
ADVANTAGES FOR METAL WINDOW
MANUFACTURERS COMBINED WITH
ARCHITECTURAL FREEDOM FOR ARCHITECTS AND
BUILDING OWNERS

WINDOW SYSTEM HUECK Lambda WS 075



- Highly thermally insulated aluminium windows system and optimised „Lambdatherm“ insulation zone with insulating bridges made of innovative compound materials, 75 mm profile depth
- Design options with slanting (Classic Design) and rounded (Rounded Design) profile contours attached on the outside
- Optional use of concealed window hardware or established visible hardware
- Thermal insulation: $U_f \geq 0.86 \text{ W}/(\text{m}^2\text{K})$

WINDOW SYSTEM HUECK Lambda WS 075 IS



- Highly thermally insulated aluminium windows system and optimised „Lambdatherm“ insulation zone with insulating bridges made of innovative compound materials
- Integrated sash, 75 mm profile depth
- Consistent straight lines without visible glazing bead joints or external hardware for maximum transparency
- Production-optimised through few accessory items and use of the same parts



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WINDOW SYSTEM HUECK Lambda WS 075 FC

NEW



- Window design with façade finish
- Can be combined with opening sash with slender elevation width and opening sash from HUECK Lambda WS 075 IS
- Production-optimised through few accessory items and use of the same parts
- Wide variety of products – extensive range of window frames and transom options



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WINDOW SYSTEM HUECK Lambda WS 075 OU

NEW



- Highly thermally insulated aluminium window system and optimised “Lambdatherm” insulating zone with insulating bridges made of innovative composite materials, 75 mm profile depth
- Comprehensive range of fittings
- Versatile additional measure for a range of thermal insulation requirements
- Thermal insulation: $U_f \geq 1.7 \text{ W}/(\text{m}^2\text{K})$



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WINDOW SYSTEM HUECK Lambda WS 075 VS



- Narrow profile contour with opaque side-hung sash and elevation widths starting at 182 mm
- Optimum ventilation thanks to floor-to-ceiling sashes for rapid air exchange
- Optimised for production thanks to straight cutting, easy notching and functional corner pieces



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WINDOW SYSTEM HUECK Lambda WS 090



- Extremely thermally insulated aluminium windows system on passive house level and optimised „Lambdatherm“ insulation zone with insulating bridges made of innovative compound materials, 90 mm profile depth
- Optional use of concealed window hardware or established visible hardware
- Production-optimised through few accessory items and use of the same parts
- Thermal insulation: $U_f \geq 0.7 \text{ W}/(\text{m}^2\text{K})$

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WINDOW SYSTEM HUECK Lambda WS 090 IS



- Extremely thermally insulated aluminium windows system and optimised insulation zone with insulating bridges made of innovative compound materials
- Integrated sash, 90 mm profile depth
- Consistent straight lines without visible glazing bead joints or external hardware for maximum transparency
- Production-optimised through few accessory items and use of the same parts



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WINDOW SYSTEM HUECK Lambda 100

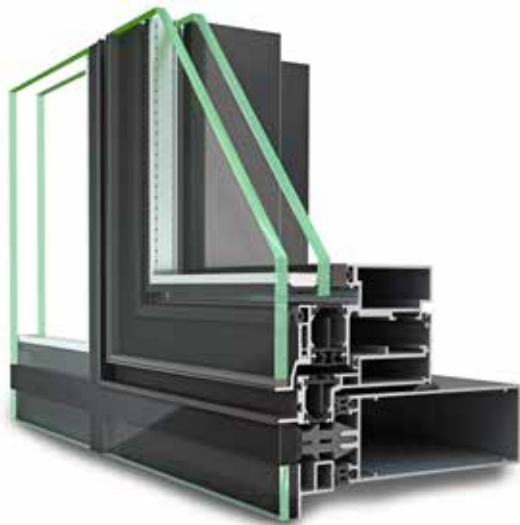


- Composite window with 100 mm profile depth
- Version with internal sunshade
- Optional use of concealed or tried-and-tested exposed window fittings
- Thermal insulation: $U_f \geq 1.0 \text{ W}/(\text{m}^2\text{K})$
- Sound insulation: up to $R_w = 49 \text{ dB}$



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WINDOW SYSTEM HUECK Lambda 110



- Window with 110 mm profile depth
- Insert element as top hung window or parallel awning window
- Max. sash weight 200 kg
- Performance with glass tray or as a Structure-Glazing-Version



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WINDOW SYSTEM HUECK Lambda 77L/XL



- Highly thermally insulated aluminium window system, 77 mm profile depth
- Optional use of concealed or tried-and-tested exposed window fittings
- Narrow elevation width of fixed/sash frame combination from 90 mm
- Variable additional measures for different thermal insulation demands

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WINDOW SYSTEM HUECK Lambda 77 L IF



- Highly thermally insulated aluminium window system
- Built-in sash, 77 mm profile depth
- Narrow elevation width of fixed/sash frame combination from 68 mm
- Variable additional measures for different thermal insulation demands

WINDOW SYSTEM HUECK Lambda 65 M



- Thermally insulated aluminium window system, 65 mm profile depth
- Optional use of concealed or tried-and-tested exposed window fittings
- Narrow elevation width of fixed/sash frame combination from 90 mm



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WINDOW SYSTEM HUECK Lambda 65 M IF



- Thermally insulated aluminium window system
- Built-in sash, 65 mm profile depth
- Narrow elevation width of fixed/sash frame combination



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WINDOW SYSTEM HUECK Lambda A72



- All-aluminium design
- Variety of design possibilities, narrow elevation widths
- Numerous easy to mount wall connecting variants
- Fixed frame: 45 mm, sash frame: 56 mm
- Optionally round or angular glazing beads



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DOOR SYSTEMS

UNCOMPLICATED MANUFACTURE WITH A VARIETY
OF DESIGN POSSIBILITIES

DOOR SYSTEM HUECK Lambda DS 075



- Highly thermally insulated aluminium door system with 75 mm profile depth
- Design options with slanting (Classic Design) and rounded (Rounded Design) profile contours attached on the outside
- Flush on the inside and outside for inward- and outward-opening doors
- Optimised "Lambdatherm" insulating zone with insulating bridges for screwing the fittings on directly



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DOOR SYSTEM HUECK Lambda DS 075 FD



- Front door series with a high level of thermal insulation
- Inward-opening door design with raised door leaves with an additional sealing level
- Optimised production thanks to component sharing and identical fittings (door hinges) for doors that open inwards and outwards
- Excellent everyday usability thanks to an innovative threshold concept with built-in height adjustment



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DOOR SYSTEM

HUECK Lambda DS 090



- Highly thermally insulated aluminium door system with 90 mm profile depth
- Greatly extended profile range
- Glass thicknesses and door inserts of 24-68 mm can be used
- Optimised insulation zone with insulating bridges for direct screwing of hardware parts



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DOOR SYSTEM

HUECK Lambda DS 090 FD



- High-performance thermally insulated aluminium front door system
- Highly suitable for everyday use thanks to innovative door-threshold concept with integrated height adjustment
- Overlapping door fillings available as a standard solution
- Optimised production thanks to component sharing and identical fittings (door hinges) for doors that open inwards and outwards



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DOOR SYSTEM HUECK Lambda 77 L



- High performance thermally insulated aluminium door, 77 mm profile depth
- Glass thickness between 22 mm and 54 mm
- Fixed frames with shear-connected compound using factory installed glass fibre-reinforced polyamide strips of 30 mm depth
- Sash profiles with low-shear Delta-T compound to reduce the bi-metal effect



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DOOR SYSTEM HUECK Lava 77-30

**FIRE
PROTECTION**



- Fire protection doors, thermally insulated, fire resistance rating 30 minutes, 77 mm profile depth (T30-1 / -2 -FSA and T30-1 / -2 -RS-FSA) with general building supervisory authority approval
- F30 fire resistant glazing in accordance with DIN 4102-13 and EN 1634-1 with general building supervisory authority approval Z-19.14-2049
- single-leaf max. passage W x H 1458 x 3009 mm, double-leaf max. passage W x H 2858 x 3009 mm
- Element height walls (fixed glazing) up to 5000 mm
- Also according to product standard 16034 with CE marking



DOOR
SYSTEMS



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DOOR SYSTEM HUECK Lava 77-60

**FIRE
PROTECTION**



- Fire protection doors, thermally insulated, fire resistance rating 60 minutes, 77 mm profile depth (T60-1 / -2 -FSA and T60-1 / -2 -RS-FSA) in Germany with case-by-case approval
- F60 fire-resistant glazing in accordance with DIN 4102-13 and EN 1634-1 in Germany with case-by-case approval
- single-leaf: max. clearance W x H 1400 x 2534 mm, double-leaf: max. clearance W x H 2500 x 2534 mm
- Element height of walls (fixed glazing) up to 3500 mm



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DOOR SYSTEM HUECK Lava 77-90

**FIRE
PROTECTION**



- Thermally insulated aluminium fire-protection construction in accordance with DIN 4102-5 and DIN EN 1634-1 (T90-1/-2 -FSA and T90-1/-2 RS-FSA) for inward- or outward-opening single and double-leaf doors with national technical approval Z-6.20-2245
- F90 fire-resistant glazing with national technical approval Z-19.14-2205
- Max. passageway dimensions of 1,358 x 2,500 mm (W x H) for single leaf, max. 2,650 x 2,500 mm (W x H) for double leaf
- Unit height of walls (fixed glazing) up to 3,500 mm



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DOOR SYSTEM HUECK Lava 77-S

**SMOKE
PROTECTION**



- Smoke protection doors, thermally insulated, 77 mm profile depth in accordance with DIN 18095 with general building supervisory authority approval
- single-leaf max. passage W x H 1450 x 3000 mm / max. outside frame dimensions 1488 x 3315 mm, double-leaf max. passage W x H 2850 x 3000 mm / max. outside frame dimensions 3470 x 3315 mm
- Up to a leaf height of 2609 mm can be implemented with low-cost mortise locks
- With barrel hinges or three-part surface-mounted type hinges



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DOOR SYSTEM HUECK Lava 65-S

**SMOKE
PROTECTION**



- Smoke protection doors, 65 mm profile depth
- Non-insulated aluminium smoke control construction, for single- and double-leaf doors
- single-leaf: max. clearance W x H 1350 x 2510 mm, double-leaf: max. clearance W x H 2500 x 2510 mm
- With barrel hinges or two-part surface-mounted type hinges



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DOOR SYSTEM HUECK Lambda 65 M



- Fixed/sash frame combination with narrow elevation widths starting from 148 mm
- Thermally insulated aluminium door, 65 mm profile depth
- Shear-connected compound using factory-mounted glass fibre-reinforced polyamide strips 18 mm deep



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DOOR SYSTEM HUECK A72



- Non-insulated aluminium door, 45 mm profile depth
- Glass thickness between 5 mm and 26 mm
- Optional round or square glazing beads
- Fixed/sash frame with narrow elevation widths starting from 138 mm

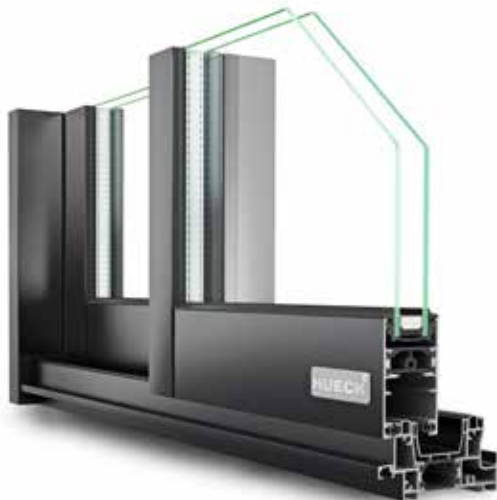


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SLIDING SYSTEMS

MANUFACTURE-OPTIMISED CONSTRUCTION FOR
LARGE SASH WEIGHTS, SMALL ELEVATION WIDTH
AND HIGHEST TRANSPARENCY

SLIDING SYSTEM **HUECK Volato S**

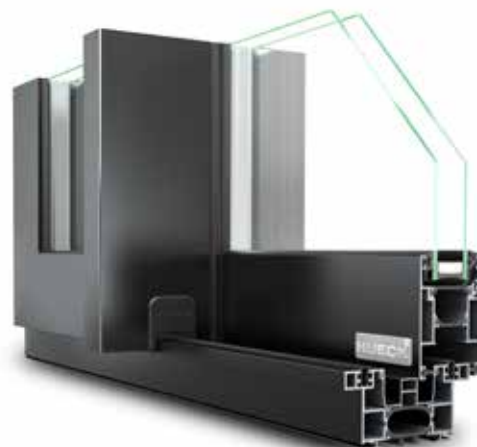


- Variety of design possibilities for sliding windows and doors
- Sash weight max. 200 kg
- Sash width max. 2000 mm, max. sash height 2300 mm
- Glazing gaskets: U-shaped gasket profiles, optionally can be drawn in continuously or drawn in mitre joint



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SLIDING SYSTEM **HUECK Volato SLS 075**



- Thermally insulated sliding construction with slender elevation widths
- Available in single-, double- and triple-tracked and monorail versions
- Slender labyrinth with elevation width of just 35 mm
- Compatible with Hueck Lambda WS 075 thanks to frame profile depths starting at 75 mm



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SLIDING SYSTEM **HUECK Volato M+**



- Highly thermally insulated lifting/sliding construction with a sash profile depth of 65 mm
- Max. sash weight 400 kg
- Various creative possibilities thanks to a multitude of possible designs
- Optionally available with electric lifting/sliding drive



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FAÇADE SYSTEMS

ELEGANT DESIGN COMBINED WITH EASY
PROCESSING AND EXPERT ASSISTANCE FROM THE
FIRST DRAFT DESIGN UP TO THE COMPLETION

FAÇADE SYSTEM HUECK Trigon 50



- Thermally insulating aluminium façade design as a mullion-transom construction for vertical, slanting, level or polygonal curtain walls, 50 mm profile depth
- Identical profile geometry for mullion and transom
- Suitable for passive houses, ift guideline WA 15/2
- Burglar resistance WK2 / WK3



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FAÇADE SYSTEM HUECK Trigon 50 D



- Thermally insulating aluminium façade design as a mullion-transom construction for slanting, vertical or level curtain walls, with notching in transom area, 50 mm profile depth
- Identical profile geometry for mullion and transom
- Foamed insulating profiles for increased thermal insulation
- Burglar resistance WK2 / WK3



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FAÇADE SYSTEM HUECK Trigon 50 SG



- All-glass façade construction with 22 mm silicone weather seal, alternatively available as dry glazing, for vertical and inward inclined even or polygonal curtain walls, 50 mm profile depth
- European approval ETA-13/0675
- Maximum pane size 3000 mm x 5000 mm



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FAÇADE SYSTEM HUECK Trigon 50 FP30

**FIRE
PROTECTION**



- Thermally insulated aluminium façade design in mullion/transom construction for vertical fire protection façade (mounting position tilted by up to 10° to the vertical)
- Mullion, transom and cover profiles comprising the Hueck Trigon modular system and an inserting supplementary profile, including non-combustible insulating strips. Insulating zone formed by insulating layer strip and glass fibre-reinforced polypropylene as a spacer profile



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FAÇADE SYSTEM HUECK Trigon 60



- Thermally insulating aluminium façade design as a mullion-transom construction for vertical, slanting, level or polygonal curtain walls, 60 mm profile depth
- Identical profile geometry for mullion and transom
- Suitable for passive houses, ift guideline WA 15/2
- Burglar resistance WK2 / WK3



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FAÇADE SYSTEM HUECK Trigon 60 D



- Thermally insulating aluminium façade design as a mullion-transom construction for slanting, vertical or level curtain walls, with notching in transom area, 60 mm profile depth
- Identical profile geometry for mullion and transom
- Foamed insulating profiles for increased thermal insulation
- Burglar resistance WK2 / WK3



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FAÇADE SYSTEM HUECK Trigon 60 SG



- All-glass façade construction with 22 mm silicone weather seal, alternatively available as dry glazing, for vertical and inward inclined even or polygonal curtain walls, 60 mm profile depth
- European approval ETA-13/0675
- Maximum pane size 3000 mm x 5000 mm



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FAÇADE SYSTEM HUECK Trigon Unit L



- Thermally insulating aluminium façade design as a unit construction for vertical, polygonal curtain walls
- Optimised profile geometry with regard to weight and statics values
- Different insert elements from the HUECK system possible
- Tests in accordance with CWCT, ASTM and AAMA



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PROJECT SOLUTIONS

TAILORED SPECIAL SOLUTIONS FOR DEMANDING
ARCHITECTURE WITH THE EXPERTISE OF FAR MORE
THAN 1,000 COMPLETED PROJECTS WORLDWIDE



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HUECK – A RELIABLE PARTNER FROM THE BEGINNING TO THE END OF A PROJECT

Modern architecture consistently creates new ideas and concepts that require individual and customised special solutions. We are in our element with building-specific solutions like these. System knowledge and experience with special profiles, expertise from over one thousand realised buildings; our collective competence in aluminium melts products, services and consultancy services into a homogeneous unit.

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