We are part OF YOUR HOME! Design for generations!

SMART-LINE Windows designed with you in mind

FFCDM Design for generations









For 25 years, we have been creating windows and doors that not only protect and insulate, but also enhance the character of buildings – from modern homes to historic palaces. Our wooden products combine elegance, timeless style and high functionality. We design so that every detail harmonises with the surroundings and the interior, creating a coherent and harmonious whole.

Wood is a material that allows a variety of architectural visions to become reality – classic, minimalist, decorative. We offer a wide range of shapes, colours and details, and our designers and process engineers will help select the optimum solution for any project. We support investors, architects, and individual clients at every stage – from concept to installation.

We rely exclusively on proven, certified wood – pine, spruce, oak, larch, but also exotic wood. We use modern hardware systems and solutions that improve acoustic and thermal performance. Our commitment to quality goes hand in hand with responsibility – both environmental and user-focused.

The CDM team consists of experienced craftsmen, process engineers and advisors. Precision, punctuality and flexibility in execution – these are the qualities our clients value both in Poland and abroad. If you are looking for joinery that combines aesthetics with durability, you are in the right place. You are most welcome to use our services.







SMART-LINE is the new comfort standard

Introducing a window line that redefines the concept of functionality and aesthetics. Smart–Line is an innovative two-tone window with customisable colour finishes and optional automatic opening systems – designed with comfort, style and accessibility in mind for every user.

You don't need to see advanced solutions to experience their effect. Automated opening, quiet operation of mechanisms, threshold-free access. All so that you can forget about technology and just use it. Smart–Line works the way everything in a modern home should work – intuitively and effortlessly.







What sets SMART-LINE apart?

Two-tone customization

The option to choose different colours for the interior and exterior sides of the window, thanks to stylistically matched glazing beads, offers a new level of design freedom and harmony with the surroundings.

Smart features

Integration with Smart Home systems and actuators allows the window to be controlled from an app or remote control - ideal for modern houses and those designed with accessibility in mind.

• Design & ergonomics

Modern, thin frames with a minimalist aesthetic. Every detail designed with comfort and intuitive operation in mind.

Sustainable materials

Natural wood, durable paint finishes, insulating glass - for thermal and acoustic comfort.

Modularity and flexibility

The windows are available in different variants - room, balcony and tailor-made. The modular system allows the size, function and aesthetics to be easily adapted to a specific interior or development.

Accessibility without barriers

Threshold-free transitions, smooth-operating mechanisms, and the option for automatic opening make Smart-Line windows easy to use for everyone - regardless of age or mobility level.







A space that responds to change

When designing the Smart–Line range, we focused not only on what's trendy today, but above all on what will be needed tomorrow. The window ceases to be just a piece of wall – it becomes a tool for shaping space, light and mood. The varied colour scheme of the finishing elements allows the joinery to be precisely matched to the interior, façade or character of the entire project. This makes it easy for Smart–Line to respond to both current and emerging needs.

Smart–Line is the answer to the need for flexibility – not only in terms of aesthetics, but also functionality. The ability to integrate with home automation systems, various opening options, and enhanced acoustic insulation – all of this means that a single window can serve multiple purposes, depending on the context and the user.

We understand that it's not only the world outside the window that changes, but also the world within – preferences, lifestyle, and the way people use their space. That is why Smart-Line does not confine you to a single aesthetic. It offers the freedom to choose – from natural wood and deep colour tones to light, muted shades – perfect as a neutral base for an ever-evolving interior.

This is a solution not only for architects. It is a solution for those who want to live in a space that doesn't go out of style – but grows and evolves with them.





SMART-LINE 92



VIEW OF WINDOW FROM OUTSIDE



20 mm aluminium threshold

SMART-LINE



VIEW OF WINDOW FROM INSIDE



Zero-threshold solution





SMART-LINE 78



VIEW OF WINDOW FROM OUTSIDE



20 mm aluminium threshold





VIEW OF WINDOW FROM INSIDE



SPACER BAR

Warm-edge plastic spacer bar that enhances the thermal performance of the window.

INNOVATIVE DESIGN

Innovative window construction available in two profile thicknesses: 78 mm and 92 mm. The glazing unit is installed using replaceable exterior glazing beads.

SEALS

Triple sealing system ensuring high airtightness of the window.

PAINTING SYSTEM

An eco-friendly, four-layer painting system, available in a wide range of transparent finishes and opaque colours according to the RAL and NCS colour palettes.

GLAZING UNITS

Outstanding thermal insulation performance ensured by double-chamber glazing units with a heat transfer coefficient of up to Ug = $0.5 \text{ W/m}^2\text{K}$.

Optional use of safety or acoustic glazing is available.

BONDED GLAZING UNIT

The glazing unit is bonded using a dedicated tape, which strengthens the structure of the window sash.

NO INTERIOR GLAZING BEADS

Window sashes featuring a modern, minimalist design are manufactured without traditional interior glazing beads.

LOW PROFILE HEIGHT

The low sash and frame profile height allows for up to 11% more glass surface area compared to traditional wooden windows.

HARDWARE

Tilt-and-turn hardware designed to accommodate SMART actuators.

SMART-LINE windows are made from pine, meranti, oak, spruce, and larch. Other wood types are available upon

WOOD

individual request.

or app control)

- Finishing trims available in various colour options.
- Individual sizes and shapes
- Enhanced soundproofing
- Painting available in a selected colour palette (RAL, NCS, or transparent finishes).
- Low-threshold option compliant with
- architectural accessibility requirements



Additional options

• Automatic opening system (electric drive, remote control

• Hardware available with micro-ventilation or concealed hinge options.



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