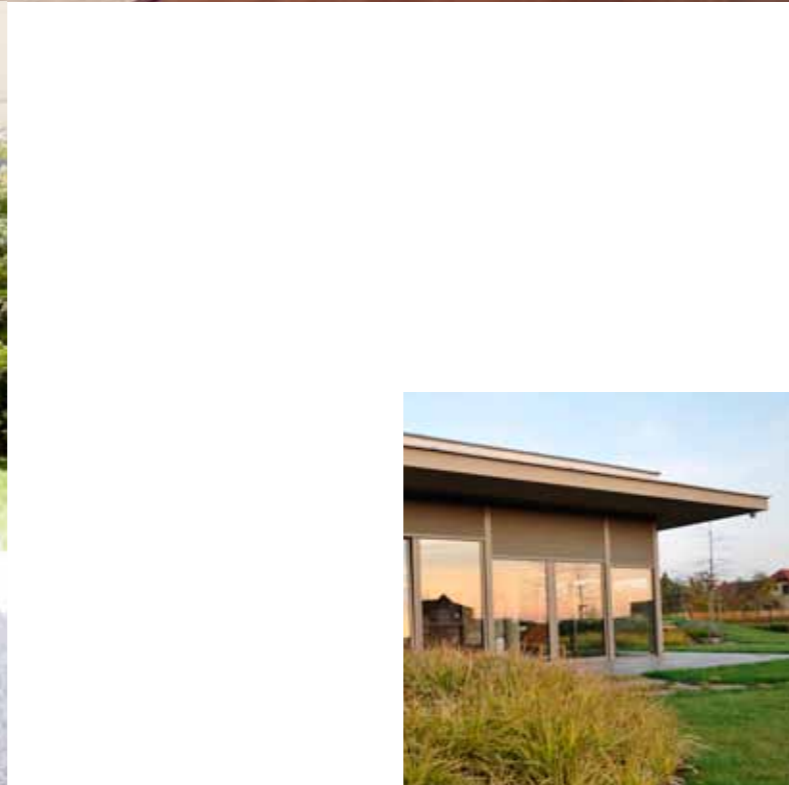


ISOTRA®



SUN
PROTECTION
SYSTEMS

... protect your privacy.



SUN PROTECTION SYSTEMS

... protect your privacy.

FOUNDATION AND DEVELOPMENT OF ISOTRA

1. INTERIOR SHADING

- Horizontal blinds
- Fabric shading
- Plissé
- Wooden blinds
- Roof shading

2. EXTERIOR SHADING













- Exterior blinds
- Exterior roller blinds
- Awnings
- Insect screens
- Garage gates

3. EURO WINDOWS AND DOORS

4. TECHNOLOGIES

- Tool shop
- Production of components
- Proprietary technologies

LEGEND

- | | | |
|--|---|--|
|  Cord |  Button |  Switch |
|  Cord/Rod |  Wheel |  Remote control |
|  Ball-chain |  Plastic handle |  Strap |
|  Handle |  Sun/wind sensor |  Control bar |

ISOTRAQuality

A brand symbolizing years of tradition, innumerable investments into research and development, use of high-quality materials, technological advancement, reliable work of hundreds of employees and many more parameters, which together form one whole - the final product of the company ISOTRA.

ABOUT US

HISTORY OF ISOTRA

ISOTRA was founded in Bolatice in 1992 by Erich Stavař and Bohumír Blachut. The initial business of the company focused on wholesale of window seals including installation. This is how the company ISOTRA was created. ISO from the word "isolation" and TRA from "trade". In 1993 the increasing demand for blinds lead to expansion of the

DIRECTION OF DEVELOPMENT

The great desire to continuously look for new technical solutions led to the fact that today ISOTRA a.s. has its own development centre, design office, modern tool shop, thermoplastic pressing shop and extensive produc-

PRODUCTION PROGRAM

ISOTRA is synonymous with production of interior and exterior blinds, fabric roller blinds, plissé, Japanese screens, pre-window exterior roller blinds, insect screens, marquees, garage gates and last but not least wooden Euro windows. An important part of the production plan is pro-

ISOTRA QUALITY

Quality, reliability, customer care, research, development, technologies and innovations with respect to energy savings are the key values for ISOTRA. The company aims to give the customer a clearly identifiable product of ex-

20 YEARS ON THE MARKET

2012 is the year of the company's 20th anniversary on the market and gives our customers and business partners a clear signal. ISOTRA is a guarantee of reliability, expertise, innovation and tradition all in one company. The company's corporate communication and logo were changed with respect to this milestone. The new logo was rede-

business activities of ISOTRA, first by the installation of blinds and subsequently their production. The continuous effort to improve products and services was the reason for commencement of production of own blind components and other shading products in 1995.

tion facilities. Technologies, procedures, research and development of shading solar radiation rank ISOTRA among the top producers of shading equipment and one of the technological leaders not only in the Czech Republic.

duction of components, profiling lines, shearing tools and technological units for production of blinds.

The company's technological prowess is attested to by ownership of several global patents and utility samples for technical solutions in the field of shading products.

pected quality and technological level. Company ISOTRA holds a quality certificate ČSN EN ISO 9001:2009, employs over 400 employees and exports its products to more than 30 countries worldwide.

signed with emphasis on clarity and easy distinguishing in the competitive market. A unique brand image has been created, with the red background depicting the dynamics with which ISOTRA has been evolving over the last two decades.



INTERIOR SHADINGS

... protect your privacy.



Types of horizontal blinds	Min. width (mm)	Max. width (mm)	Max. height (mm)	Max. guaranteed area (m ²)
Horizontal blinds with 16 and 25 slats	300, 400 (motor*)	2000	2200	2,5
Horizontal blinds with 35 and 50 slats	400	3150	3000	6,0

*Isotra system classic, Isolite, Isolite plus, Neoisolite, System 25

HORIZONTAL BLINDS

Horizontal blinds are the most common type of shading applications used. All blinds in this category are made from aluminium. Respective blind types differ in slats, method of installation, control or top rail design. We offer horizontal blinds in a wide range of colours as well as imitations of wood to fit your interior.

FEATURES AND ADVANTAGES OF HORIZONTAL BLINDS

- Variable control options,
- various head rail shapes,
- option of blinds with or without covering rail,
- low control force,
- easy installation and maintenance,
- wide selection of slat colours from classical to wood imitation.

DESIGN OPTIONS

ISOTRA SYSTEM HIT II.

- Minimum light passing between first slat and head rail,
- higher rigidity of head rail,
- low control force,
- optional surface finish with renolite in wood imitation.



ISOTRA SYSTEM HIT

- Optimal quality-price ratio,
- simple design of top rail,
- low control force.



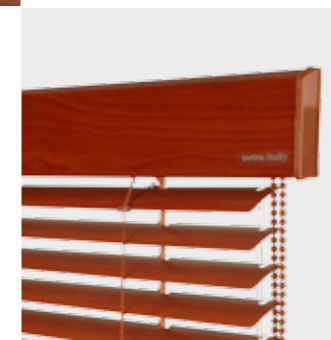
ISOTRA SYSTEM CLASSIC

- Rails from extruded aluminium,
- atypical design for inclined and broken windows.



ISOTRA ENERGY

- Wireless controlled blind driven by solar power,
- zero electricity consumption,
- fully automated wireless control.



ISOLITE

- Rails from extruded aluminium,
- atypical design for inclined and broken windows,
- optional surface finish with renolite.



ISOLITE PLUS

- Elegant design,
- rails from extruded aluminium,
- atypical design for inclined and broken windows,
- optional surface finish with renolite.



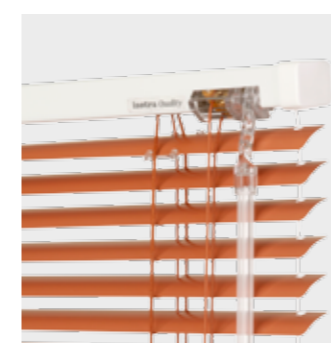
NEOISOLITE

- Installation using side brackets,
- easy lifting of blinds to facilitate window cleaning,
- rails from extruded aluminium,
- optional surface finish with renolite.



SYSTEM 25

- Option of blinds with or without covering rail,
- variable control system,
- atypical design for inclined and broken windows,
- optional surface finish with renolite.



INTERIOR BLINDS

- Optional intra-window version
- variable control system,
- atypical design for inclined and broken windows.



CETTA 35,50 – ECONOMY

- Economical model,
- dual slat width: 35 mm and 50 mm,
- simple cord control with brake,
- dual-sided tilting of slats,
- option of cord guide or freely hanging blinds.





VERTICAL BLINDS & JAPANESE PANEL BLINDS

Vertical blinds and Japanese panel blinds will turn your interior into a comfortable space protected from excessive light and inquisitive eyes. If you need to darken a room altogether, choose fabrics with fully darkening effect. Non-flammable materials are popular in offices and materials containing glass fibres are welcomed especially by allergy sufferers. Vertical blinds and Japanese panel blinds can be used to shade areas as well as divide larger rooms. Noble elegance, that's fabric vertical blinds and Japanese panel blinds.

FEATURES AND ADVANTAGES OF VERTICAL BLINDS AND JAPANESE PANEL BLINDS

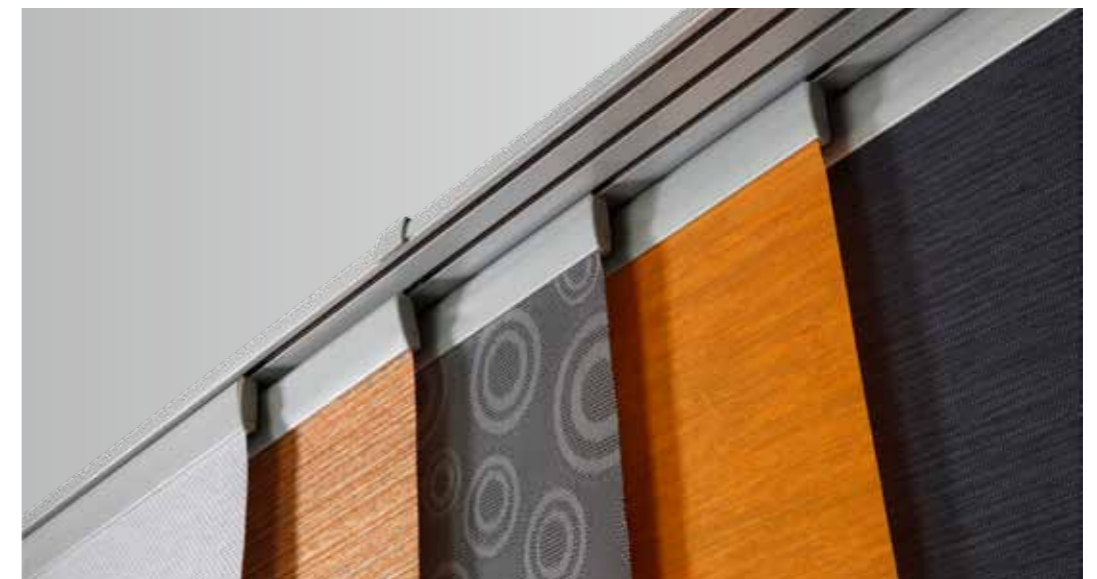
- Decorative interior shading component and an alternative to classical blinds,
- wide range of slats and fabrics,
- atypical design for vertical blinds,
- optional electrical control,
- guaranteed area up to 12.5 m².



VERTICAL BLINDS

- Ideal solution for dividing rooms or shading large areas,
- wide selection of atypical shapes (inclinations, arches).

Min. width (mm)	100
Max. width (mm)	5950
Max. height (mm)	5000
Max. guaranteed area (m ²)	12,5



JAPANESE PANEL BLINDS

- Decorative and highly elegant shading component,
- original design for comprehensive shading regardless of the number of windows or wings,
- rails from extruded aluminium in white or silver colour,
- wide range of fabrics of various colours and designs.

Min. width (mm)	1000
Max. width (mm)	5600
Max. height (mm)	3200





FABRIC ROLLER BLINDS

Create a pleasant environment, day or night. Interior roller blinds will protect your at night from streetlamp light, and from sunlight in the day. Choose from a wide range of options, classical roller blinds to designer illuminated roller blinds or roller blinds with side guide rails or timeless day-night design with infinite fabric ...
Whether you choose fully darkening fabric or partly transparent fabric, you will always get an elegant and fully functional interior component which shall enhance your interior.

FEATURES AND ADVANTAGES OF FABRIC ROLLER BLINDS

- Variable design and various installation options,
- aluminium and plastic rails prevent passing of light through the sides,
- decorative top rail with LED light,
- chain control,
- new: day-night fabric option.

FABRIC ROLLER BLIND DESIGN OPTIONS:

VERRA - roller blind without covering rail

- Classical roller blind with simple design,
- easy handling and installation,
- optional solid metal version.

Min. width (mm)	300
Max. width (mm)	2400
Max. height (mm)	1700
Max. guaranteed area (m ²)	3



ROLLITE - roller blind with covering rail and guide channels

- Roller blind with aluminium covering rail,
- aluminium or plastic guide channels preventing passing of sunlight through sides,
- wide range of fabric colours,
- rails in six RAL colours.

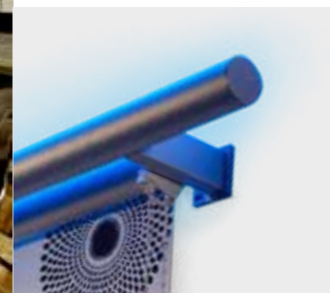
Min. width (mm)	300
Max. width (mm)	1400
Max. height (mm)	1700
Max. guaranteed area (m ²)	1,5



NEW! SUNLITE - roller blind with decorative rail and LED lighting

- Luxury roller blind with decorative top rail
- two options - decorative round and flat rails,
- LED lighting located in top rail,
- easy installation on ceiling or wall.

Min. width (mm)	300
Max. width (mm)	2400
Max. height (mm)	1700
Max. guaranteed area (m ²)	3



NEW! LUNA - roller blind with covering rail and guide channels classical / day-night

- Roller blind with aluminium or plastic covering rail,
- side guide rails preventing passing of sunlight through sides,
- option of surface finish of rails with renolite or wood imitation,
- classical fabric or day-night fabric options.

Min. width (mm)	300
Max. width (mm)	1400
Max. height (mm)	1700
Max. guaranteed area (m ²)	1,5



NEW! NEMO - roller blind without covering rail classical / day-night

- Roller blind on side brackets without covering rail,
- simple design and white components,
- easy chain control,
- installation on side brackets or suspension onto window wings (without drilling).

Min. width (mm)	300
Max. width (mm)	1400
Max. height (mm)	1700
Max. guaranteed area (m ²)	1,5





PLISSÉ

Plissé is a folded fabric blind which will dress your windows, make your interior comfortable and provide tailor-made shading. You can choose plisséd fabrics with various levels of transparency, darkening fabrics, with vaporised aluminium layer which eliminates the thermal effect of radiation or fabrics with pearl paint with a high light reflexive level. Further advantages of Plissé are wide range of atypical shapes and methods of control. This system is unique, when compared to a classical interior blind, in that the intensity of shading can be set simultaneously with the dropping/raising of the top or bottom rails, which enables the creation of a shading strip of any arbitrary height. You will also no doubt be amazed by the Plissé blind with two fabrics which shall transform your interior according to your current mood.

FEATURES AND ADVANTAGES OF PLISSÉ

- Elegant modern interior component,
- wide range of atypical shapes,
- wide range of plisséd materials, colours, designs and patterns,
- fabrics with various levels of light transparency, darkening fabrics and reflexive fabrics,
- possible combination of two fabrics,
- variable control systems.

PLISSÉ DESIGN OPTIONS



- Plissé without guide with fixed head rail,
- plissé with cord guide and free or fixed head rail and bottom rail,
- plissé with steel cord guide and fixed head rail and bottom rail (optional fixed head rail).

Standard dimensions



Maximum dimensions of plissé differ according to plissé type.

WOODEN BLINDS

The beauty of wood will give your interior an individual style. Woodlite wooden blinds produced from African Abachi willow meld the extraordinary properties of wood with a natural look. Wooden slats are thermally stable regardless of the outdoor temperature and sunlight intensity. Elegant Woodlite blinds give your interior the required shading, cosiness, privacy and originality – be inspired by nature ...

FEATURES AND ADVANTAGES OF WOODEN BLINDS:

- Stylish and aesthetical interior accessory,
- slat widths 25 mm and 50 mm from African Abachi willow in six colours,
- variable head rail design – wood or aluminium,
- optional surface finish with renolite,
- guaranteed area up to 7m².

WOODEN BLIND DESIGN OPTIONS:

WOODLITE 25

- Wooden or aluminium covering rail,
- 25 mm slats from African Abachi willow,
- optional surface finish with renolite.

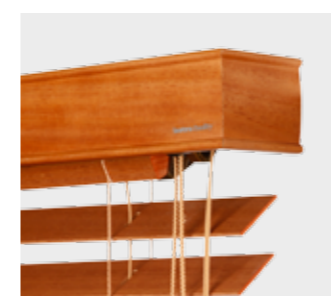
Min. width (mm)	400
Max. width (mm)	1400
Max. height (mm)	2200
Max. guaranteed area (m ²)	2,5



WOODLITE 50

- Stylish and aesthetical interior accessory,
- 50 mm slats from African Abachi willow in six colours,
- optional electrical control,
- guaranteed area up to 7 m².

Min. width (mm)	600
Max. width (mm)	3000
Max. height (mm)	3000
Max. guaranteed area (m ²)	7





SKYLIGHT SHADING SYSTEMS

It makes no difference if you choose blinds or roller blinds for skylights – both types of shading will provide protection against sunlight and prevent overheating of your interior. Skylight roller blinds and blinds are suitable for all types of windows and guarantee perfect shading due to aluminium guide rails on the sides. Stepless control of light, full or partial shading, elegant design.

FEATURES AND ADVANTAGES OF ROOF SYSTEMS

- Perfect shading of interior,
- for all types of skylights,
- aluminium guide rails prevent passing of light through sides,
- easy control using rods for less accessible windows.

SKYLIGHT SYSTEM DESIGN OPTIONS:

R-LITE ROLLER BLIND

- Fabric roller blinds suitable for all types of skylights,
- rails from anodized aluminium,
- aluminium guide rails prevent passing of light through sides,
- wide range of fabrics,
- easy control using rods for less accessible windows.

Min. width (mm)	300
Max. width (mm)	1200
Max. height (mm)	1200* / 1400
Max. guaranteed area (m ²)	1,5



* max. width of Blackout fabric

V-LITE BLIND

- Horizontal blinds suitable for all types of skylights,
- rails from from anodized aluminium,
- two methods of slat tilting – runner or wheel,
- aluminium guide rails prevent passing of light through sides,
- easy control using rods for less accessible windows.

Min. width (mm)	300
Max. width (mm)	1200
Max. height (mm)	1600
Max. guaranteed area (m ²)	1,5



EXTERIOR SHADING

... protect your privacy.

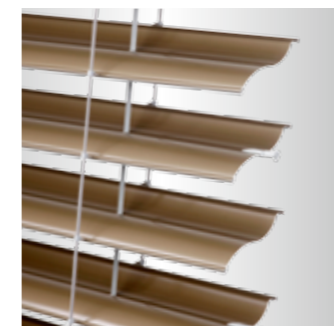


EXTERIOR BLINDS

Exterior blinds protect your interior against adverse weather and create an optimal environment in terms of light and thermal conditions. They help cut costs of air conditioning and create a pleasant interior climate. The special slat shape in the Zetta range provides for excellent darkening and a high thermoregulation effect. The Setta slats are highly elegant and Cetta blinds in various options represent classical outdoor shading products. Exterior blinds are a significant part of a building in terms of energy savings. In the traditional sense exterior blinds provide a shading and safety function, while in the non-traditional sense they are an integral architectural element of office buildings and jewel in family houses.

FEATURES AND ADVANTAGES OF EXTERIOR BLINDS

- S, Z and C shaped slats, various widths,
- variable design: Duo system, Slim system, Flexi system,
- possible installation into window lintels,
- high shading level,
- thermoregulation and protective effect,
- reduction of outside noise levels,
- bottom rail from extruded aluminium,
- optional electrical control,
- reduced blind noise (pressed rubber),
- maximum guaranteed area 16 m².



CETTA 50, 65, 80

- Variable slat width: 50 mm, 65 mm, 80 mm,
- bottom rail from extruded aluminium,
- variable design:
 - Duo system – dual tilting of slats
 - Flexi system – reduced packet height of blind (slats without curvatures)
 - Slim system – reduced packet height of blind (different method of slat stacking)
- maximum guaranteed area 16 m².



CETTA 50

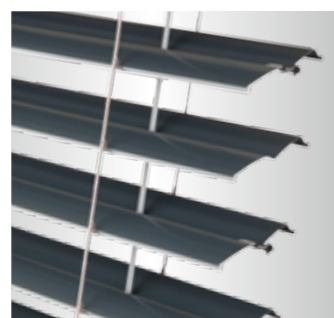
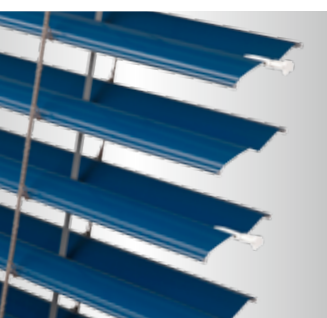


SETTA 65, 90

- Elegant and design finish with S shaped slats,
- dual slat width: 65 mm and 90 mm,
- bottom rail from extruded aluminium,
- maximum guaranteed area 16 m².



EXTERIOR BLIND DESIGN OPTIONS



Zetta 70, 90

- Creates a solid surface when closed,
- dual slat width: 70 mm and 90 mm,
- high level of shading,
- bottom rail from extruded aluminium,
- maximum guaranteed area 16 m².



Type	Max. and min. width [mm]		Max. height [mm]	Max. guaranteed area [m ²]			Guide
	max.	min.		cord	handle	motor	
Cetta 50	3150	400	3000	6	8	10	none/cord
Cetta 65	4000	600	4000	-	8	16	cord/channel
Cetta 80	4000	600	4000	-	8	16	cord/ channel
Zetta 70	4000	600	4000	-	8	16	channel
Zetta 90	4000	600	4000	-	8	16	channel
Setta 65	4000	600	4000	-	8	16	channel
Setta 90	4000	600	4000	-	8	16	channel



ALUMINIUM ROLLER BLINDS & SCREEN ROLLER BLINDS

If you need quality darkening, reduction of outdoor noise and increased protection of property, then an aluminium or plastic pre-window roller blind is the answer for you. If you prefer optimal regulation of light in the interior above protection then you will choose the screen exterior roller blind. The Plasterax and Vivera aluminium exterior roller blinds form a solid surface when closed, which provides a hard to beat obstacle in case of theft and also serve as a substantial thermoregulation component. A practical accessory to the exterior roller blind can be a built-in insect screen which can be controlled independently of the roller blind control. Screen roller blinds give buildings a modern look. This is a special type of pre-window roller blinds which are made from artificial fibres and therefore are very resistant to the weather conditions. The main advantage of screen roller blinds is their partial transparency and variability.

All models of pre-window roller blinds offer high-quality shading, thermoregulation, reduction of noise and increased protection of privacy.

FEATURES AND ADVANTAGES OF EXTERIOR ROLLER BLINDS

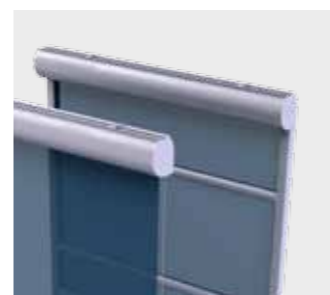
- Protection of privacy,
- efficient thermoregulation,
- reduction of outdoor noise,
- variable design – aluminium, plastic, textile,
- optional installation into window lintel,
- optional built-in insect screen.

OUTSIDE ROLLER BLIND DESIGN OPTIONS: ALUMINIUM ROLLER BLINDS

PLASTERAX

- Roller blind suitable for integration under façade or thermal insulation system,
- aluminium slats filled with PUR foam or plastic slats,
- optional integrated insect screen Plasterax-Sectra,
- maximum guaranteed area 8 m².

Min. width (mm)	450/500*
Max. width (mm)	3800 / 1600 (Sectra)
Max. height (mm)	3150 / 2300 (Sectra)
Max. guaranteed area (m²)	8 / 2,5 (Sectra)



VIVERA

- Roller blind suitable for additional installation onto window frame or façade,
- aluminium slats filled with PUR foam or plastic slats,
- optional integrated insect screen Vivera-Sectra,
- maximum guaranteed area 8 m².

Min. width (mm)	450/500*
Max. width (mm)	3800 / 1600 (Sectra)
Max. height (mm)	3900 / 2300 (Sectra)
Max. guaranteed area (m²)	8 / 2,5 (Sectra)



STAKUSIT

- The roller blind is installed together with the window as a whole into the window opening,
- aluminium slats filled with PUR foam or plastic slats,
- the plastic box is filled with polyurethane foam and does not protrude into window clearance,
- inspection from interior.

Min. width (mm)	450/500*
Max. width (mm)	2800
Max. height (mm)	3000
Max. guaranteed area (m²)	6



SCREEN ROLLER BLINDS

REFLEXOL

- For shading inside and outside areas,
- variability according to method of installation and cassette shape (76, 103, XXL, XL, XS),
- absolute fabric tension (lock system),
- side guide by cord or guide channel,
- wide range of fabrics.

Min. width (mm)	500/650*
Max. width (mm)	4500 **
Max. height (mm)	5000**



VERANDA

- Shading of veranda, inside and outside inclined and roof areas,
- optional combination of two fabrics (Veranda 206),
- side guide channel,
- wide range of fabrics.

Min. width (mm)	1500 **
Max. width (mm)	4500 **
Max. height (mm)	5000**



* motor powered version
** max. width and height for Reflexol and Verandu differ according to the specific type and selected fabric.



AWNINGS

Awnings are a combination of practicality and elegance. They represent efficient protection against sunlight and underline the appearance of your home. Thanks to their simple construction and quality design, awnings are often used to shade terraces in family houses, but also in the commercial field. A wide range of quality fabrics offers you a broad selection.

FEATURES AND ADVANTAGES OF AWNINGS

- Roofing of small and large terraces and verandas,
- wide range of DICKSON fabrics with special CLEAN-GARD surface finish and a 10 year warranty,
- SUNACRYL fibre and solution dyed acrylic technology guarantees high colour fastness of fabrics,
- optional electrical control and sun/wind sensor,
- maximum extension 3.5 m,
- marquees arms made from special aluminium alloy.

AWNINGS DESIGN OPTIONS:

JASMINA – AWNING WITHOUT CARRYING PROFILE



- Light horizontal awning,
- structure without carrying profile,
- arms from special aluminium alloy,
- wide range and excellent quality of DICKSON fabrics.

Min. width (mm)	3
Max. width (mm)	4,8
Motion angle	20°- 75°



STELA – AWNING WITH CARRYING PROFILE



- Solid steel profile,
- suitable for shading large areas,
- optional cross arm model,
- wide range and excellent quality of DICKSON fabrics.

Min. width (mm)	3,5
Max. width (mm)	6
Motion angle	5°- 45°



ISABELA – CASSETTE AWNING



- Cassette providing aesthetic and protective function,
- possible setting of arms from horizontal to vertical inclination,
- easy installation,
- wide range and excellent quality of DICKSON fabrics.

Min. width (mm)	3
Max. width (mm)	5
Motion angle	0°- 50°



LAURA – DOME AWNING



- Roofing of entrances, restaurants, hotels or shops,
- structure from aluminium profiles,
- specific range of shapes,
- resistant plastic materials.

Min. width (mm)	1,3
Max. width (mm)	5,5
Motion angle	-



INSECT SCREENS

For modern windows you can choose easily removable screens, while older windows can be fitted with sprung pins, or swivel, which require drilling the windows. We recommend the roll-up type screen for frequent use and almost invisible storage; this type can be easily concealed on the side of the window. Type H1 is intended for doors (balcony or terrace), which is easily removable. All models are available in many colours according to the RAL colour sampler.

FEATURES AND ADVANTAGES OF INSECT SCREENS

- Aluminium frame,
- easy installation onto window / door frame,
- variable frame design for respective types,
- frame colours according to RAL colour sampler, wood imitation or renolite,
- option of atypical design for screen types C1 and C2,
- maximum guaranteed area up to 3 m².

SCREEN DESIGN OPTIONS:

TYP C1, C2, C10, C11

- Aluminium frame,
- installation requires no intervention in the window frame,
- suitable for windows without subsill,
- frame colours according to ral colour sampler, wood imitation or renolite,
- option of atypical design for screen types C1 and C2,
- maximum area: 2.5 m².

TYP D, E, I

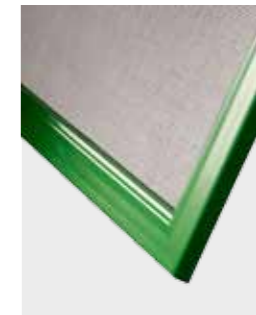
- Aluminium frame,
- suitable for windows with subsill, construction openings and older window types,
- frame colours according to RAL colour sampler or wood imitation,
- maximum area: 2.5 m².

ROLL-UP TYP F10, G10

- Possible arbitrary raising and dropping of screen horizontally or vertically,
- extruded aluminium box,
- also suitable for dual-wing windows and balcony doors,
- frame colours according to RAL colour sampler,
- maximum area: 3 m².

DOOR TYPE H1

- Rolled aluminium frame,
- higher frame rigidity,
- self-closing hinges,
- easily removable from balcony doors,
- frame colours according to RAL colour sampler, wood imitation or renolite,
- maximum area: 3 m².





GARAGE GATES

Roller and section garage gates provide comfortable control, protective and thermoregulatory function.

We offer roller garage gates from Torra with 55 mm or 77 mm wide slats. Aluminium slats filled with PUR foam form an integral surface and when rolled up they take up minimum space under the ceiling. We offer garage gates in standard white and brown colours and upon request the customer can select from the Alukon colour sampler or from the ISOTRA slat colour sampler.

Compared to roller garage gates, section garage gates are made from sections or gate elements. These elements may be made from single-wall or double-wall steel slats 42 mm deep. Customers can also choose from uniformly spaced horizontal grooves or uniformly spaced cassettes. The bottom section of the gate is always fitted with a floor seal.

TORRA ROLLER GARAGE GATES

TORRA

- Stepless winding of slats into box,
- aluminium slats filled with PUR foam, 55 mm or 77 mm wide,
- gate takes up minimal space under the ceiling when installed inside,
- protective and thermoregulatory function,
- guide rails fitted with sealing insert,
- remote control option, emergency control or light barrier,
- maximum guaranteed area 8 m² (slat 55 mm) and 16 m² (slat 77 mm).

HÖRMANN SECTIONAL GARAGE GATES

HÖRMANN

- Sections are drawn up under the ceiling of the room,
- bottom section of the gate is fitted with a floor seal,
- section from steel sheet with galvanized layer finished with protective paint or from massive wood from nordic pine or western hemlock,
- protective and thermoregulatory function,
- safety when obstacle is encountered,
- remote control option, emergency control or light barrier,
- protective and thermoregulatory function,
- maximum guaranteed area is not limited.



EURO WINDOWS AND DOORS

... protect your privacy.



WINWOOD EURO WINDOWS

Winwood wooden doors and windows meet all the required criteria – low thermal transmittance, quality acoustic insulation and high durability. They differ in the profile type which gives the window its specific features. Double or triple glazing can be chosen. Besides the standard profiles we also offer wood-aluminium windows with enhanced weather protection and box windows which can be used in reconstruction of historical buildings. All Winwood Euro windows and doors are made in top quality with emphasis on minimization of heat loss and elimination of outdoor noise.

FEATURES AND ADVANTAGES OF EURO WINDOWS

- Product from 100% wood guaranteeing flexibility, lightweight and strength.
- low thermal expansion, good resistance to adverse weather conditions,
- quality design accessory for interiors and exteriors,
- long life when required maintenance is provided,
- triple layer surface finish using ecological water-soluble varnishes,
- impregnation against fungi, insects and mould,
- optional combination of RAL colours and varnishes,
- renovation without need to burn off or sand surface.

EURO WINDOW DESIGN OPTIONS

IV68 WINDOW PROFILE

Traditional Euro windows Winwood profile IV68 have low thermal expansion and good material properties – flexibility, lightweight and strength. Winwood Euro windows

with IV68 profile have a simple design and are almost maintenance free due to high-quality surface finish.

	Thermal transmittance coefficient for glass Ug	Thermal transmittance coefficient for whole window Uw	Acoustic insulation of whole window Rw (weighted acoustic resistance)
Insulation double-glass 4-16-4	Ug = 1,1 W/(m ² x K)	Uw = 1,3 W/(m ² x K)	Rw = 32 dB



IV78 WINDOW PROFILE

Wooden Euro windows Winwood profile IV78 guarantee better thermal insulation properties. They are suitable for higher strength and due to the thicker profile also provide low-energy buildings and family houses.

	Thermal transmittance coefficient for glass Ug	Thermal transmittance coefficient for whole window Uw	Acoustic insulation of whole window Rw (weighted acoustic resistance)
Insulation double-glass 6-20-4	Ug = 1,1 W/(m ² x K)	Uw = 1,22 W/(m ² x K)	Rw = 36 dB
Insulation triple-glass 4-10-4-10-4	Ug = 0,8 W/(m ² x K)	Uw = 1,1 W/(m ² x K)	Rw = 32 dB
Insulation triple-glass 4-12-4-12-4	Ug = 0,7 W/(m ² x K)	Uw = 1,02 W/(m ² x K)	Rw = 32 dB

IV78 WINDOW PROFILE WOOD-ALUMINIUM

Durable aluminium on the exterior side and beautiful wood on the interior side. Euro window Winwood profile IV78 aluminium-wood is maintenance free due to the exterior aluminium cladding and on the interior side it maintains all the beauty and properties of wood.

The great benefit of aluminium profiles is that they help water runoff, thermal insulation, access of air and overall surface protection against adverse weather conditions. Wood-aluminium windows offer energy savings and comfort without any bother.

	Thermal transmittance coefficient for glass Ug	Thermal transmittance coefficient for whole window Uw	Acoustic insulation of whole window Rw (weighted acoustic resistance)
Insulation double-glass 6-20-4	Ug = 1,1 W/(m ² x K)	Uw = 1,22 W/(m ² x K)	Rw = 36 dB
Insulation triple-glass 4-10-4-10-4	Ug = 0,8 W/(m ² x K)	Uw = 1,1 W/(m ² x K)	Rw = 32 dB

SPECIAL WINDOW PROFILES

LINING WINDOWS

The Winwood Euro lining window is intended for historical buildings. Its interior frame and wing is made from IV68 profile, while the exterior frame and wing is made from the IV45 profile. Winwood lining windows are widely used in reconstructions of historical buildings

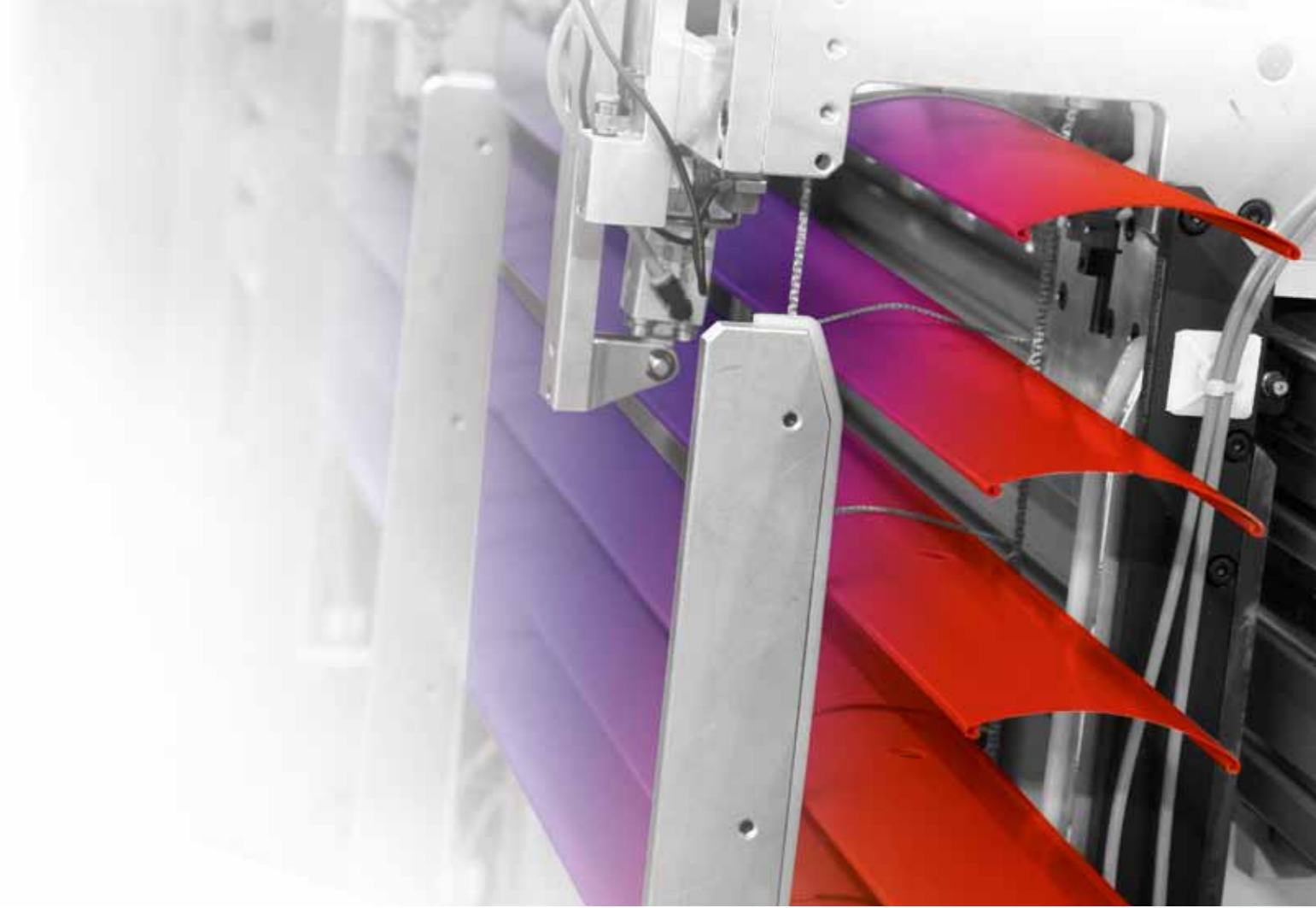
and in historically preserved zones – windows can be supplemented with various decorative elements or replicas according to original windows, including decorative covers.

	Thermal transmittance coefficient for whole window Uw	Acoustic insulation of whole window Rw
Insulation double-glass 4-16-4+ single glass	Uw = 0,85 W/(m ² x K)	Rw = 34 dB

RUSTIC AND ATYPIC WINDOWS

Rustic windows are intended for reconstructions of historical buildings, castles, churches, as well as traditional architecture family houses. Windows with decorative elements are identical in design to the standard Winwood windows with IV68 and IV78 profiles. They are characterized by decorative milling of frames and wings and can be fitted with rustic accessories including handles, decorative heads, clappers and transoms.

Atypical windows of irregular shapes, arches, inclinations in IV68 and IV78 profiles.



WINWOOD DOORS

We produce wooden doors in three production ranges, depending on use: entrance, balcony and special profiles. All Winwood wooden doors meet strict requirements for low

heat loss, acoustic resistance and high durability. Thanks to the production they are thermally stable and require only basic maintenance.

WINWOOD ENTRANCE DOORS

Winwood entrance doors are a high-quality security element of building entrances. We shall produce doors according to your design or you can choose from our standard shapes. We offer glazing ranging from classical glass to ornamental glass types. Winwood entrance doors guarantee quality and function.

BALCONY DOORS

Winwood balcony doors are a practical solution to balcony and terrace entrances. A barrier-free doorstep can be used to facilitate easy access. If classical opening balcony doors cannot be used, we also offer sliding balcony doors.

SPECIAL DOOR PROFILES

HS portals, FS portals and sliding doors are a modern and luxury solution to entrances to terraces, conservatories or as barrier-free entrances to family houses, commercial buildings and restaurants. They can be used for all solutions requiring large dimensions to achieve even several meter large open spaces for thoroughfare. Massive design in wood or wood-aluminium and an advanced rail system guarantee comfortable and long trouble-free use.

- HS portals
- FS portals
- Sliding doors

OWN TECHNOLOGIES

OWN TECHNOLOGIES

ISOTRA has a long-term interest in the technologies of solar radiation shading and its impact on energy savings. Own technologies, elaborate procedures, research and development of shading products rank ISOTRA among the top producers of shading equipment and one of the technological leaders not only in the Czech Republic.

Our production program doesn't focus only on shading equipment, but also includes production of components, profiling lines, shearing tools and technological units for production of blinds. We have our own development department, design office, modern tool shop and production of components.

MACHINES FOR PRODUCTION OF SHADING PRODUCTS

- Rolling and profiling lines,
- shearing machines,
- complete technological units.



TOOL SHOP

WE OFFER PIECE AND SERIES PRODUCTION OF

- Injection moulds for plastics,
- cutting and pressing tools,
- single-purpose cutting tools,
- forging tools (dies, forging inserts, cutting pieces),
- special preparations and gauges,
- rolling mills for thin-wall profiles,
- drilling on horizontal drilling machines.

PRODUCTION OF COMPONENTS

Production of components at ISOTRA includes three basic areas: thermoplastic injection technologies, pressing of sheet metal parts and powder coating. We produce plastic components, plastic pressed parts, sheet metal and aluminium components for our own production, as well as for other producers of shading equipment. We fill available capacities by production for customers from the knitting, electrical and machinery industries.





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