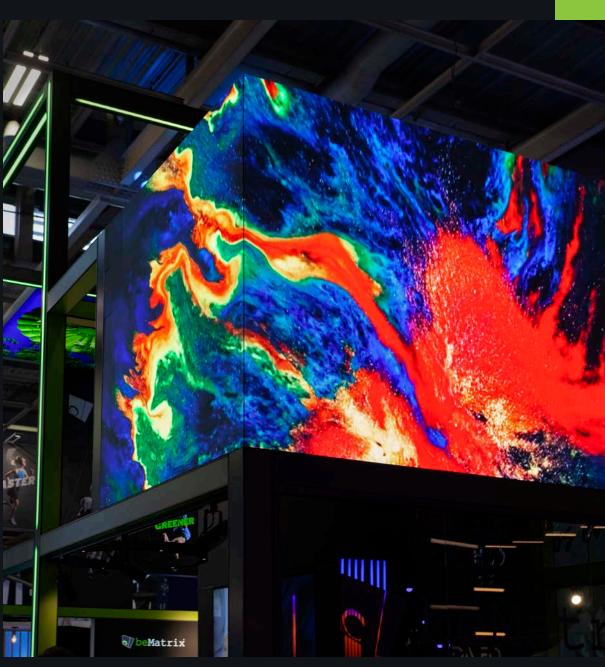
LEDSKIN®

be anything.





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Easy and sustainable event building	4
b62°	6
Why beMatrix?	7

LEDskin®

LEDSKIN®	10
LEDskin® P1.5	16
LEDskin® P1.9	19
LEDskin® P2.5	20
LEDskin® P2.5 Outdoor	23
LEDskin® product features	24

Product principles Support

Logistics	41
MybeMatrix	42
Global Rental Network	44
Contact	46

Easy and sustainable event building

beMatrix is the true heir and Belgian manufacturer of the original frame system with big holes, launched in 1993. beMatrix leverages the event industry towards positive transformation with a higher convenience and return for customers in a sustainable manner.



Our mission is to be the leading system for easy and sustainable event building.

The beMatrix system offers event builders and exhibitors endless possibilities with endless kinds of concepts for exhibition stands, congress walls, indoor and outdoor events and pop-ups.

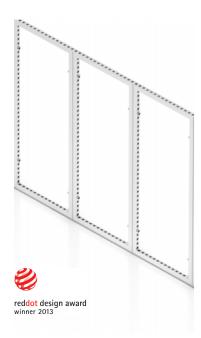


A sustainable step forward: frames with ECO+ finish.

beMatrix introduced the ECO frame as an ecological alternative to the anodised frame. Anodising is a chemical surface treatment harmful to the environment. We invented a brushing technique with the same look as the end result, but without environmental risks.



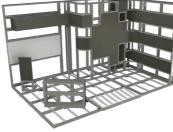
b62[®]



All dimensions of the $b62^{\circ}$ frame system have been based on the perfect 62×62 mm matrix. The width, length and height of the constructions are always multiples of 62.

The 62 mm matrix delivers the ultimate **modularity** with countless configuration options.





Why beMatrix?

Fast & easy design and build-up

Faster and easier than assembling a traditional profile-based system, light weight and no tools needed!

High return on investment

The same frame can be used for walls, ceilings and floors. Since assembly is quick and easy, labour costs can be cut.

Sustainable system

Frames can be reused over and over again. They are also recyclable with minimal energy and without any loss of quality.

International network

There is always someone around who can assist you in the beMatrix network; beMatrix operates worldwide.

Local service and stock close to you

We have rental and service centres worldwide to support you with rental equipment, training or build-up support.



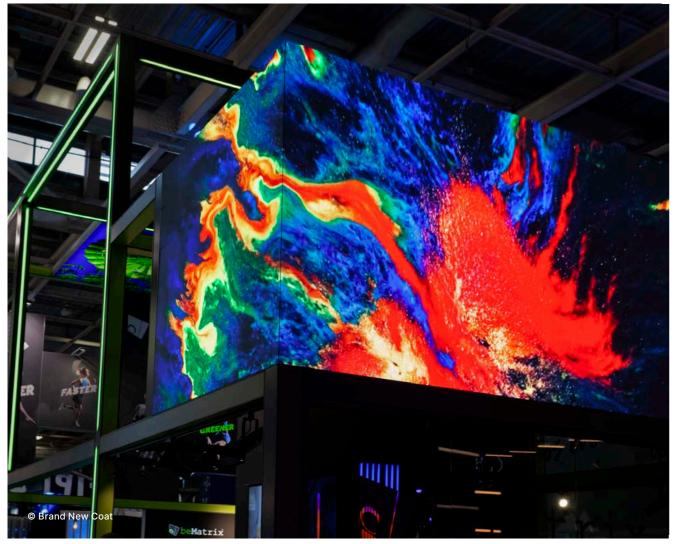
LEDskin®

Animation, motion and great feeling

LEDskin® transforms your beMatrix stand into a real **hotspot**, full of animation and motion, so your stand becomes a true **experience**. With LEDskin®, beMatrix keeps on revolutionises stand building. In the blink of an eye you can combine LED cabinets and frames to create an impressive animated display, which can be seamlessly **integrated** into your new or existing beMatrix stand. No more individual screens, which in fact in many cases are more of a disruptive element than added value in a sleek stand design. Also, you are no longer limited to the maximum (standard) dimensions of individual screens. Instead, you can turn the whole thing into a totally seamless video wall. Choose any dimension from the smallest screens to the realisation of your wildest dreams.



Discover the impact of LEDskin® on the beMatrix YouTube channel.











LEDskin® P1.5

beMatrix and Unilumin have created a high quality LEDskin® cabinet. The LED modules are available in pixel pitch 1.5 mm with **COB Flip Chip** LED technology. More integration options are available such as to the beConstruct profile, or any other b62 product. Thanks to its **robust design** this is a big game changer, as it is the first LED cabinet with robust technology that is available in the in the rental business.

Chip on Board technology

The COB (Chip on Board) technology is new in the rental market where many **individual RGB LED chips are mounted on a thermally efficient substrate** placed below a uniform contrast enhacing and physical protective layerstack. This technology has a much more durable LED surface continuously contributing to a high reliability combined with the hassle free setup that all beMatrix products have.



A full-on sustainable solution

The LED cabinets and the displayed content can be used a multiple of times as opposed to most printed products which have a limited lifespan. This reduces resource consumption.

LEDskin® also saves on transportation and investment thanks to our expanding rental model where you can **collaborate through the bePartner network**. Our LEDskin® bePartners have LEDskin® stock and years of experience in the audiovisual sector. They can help you with perfectly integrating our LEDskin® into your beMatrix stand and assist in setting up striking content.

Core specifications

- Original beMatrix b62 frame compliant
- State of the art COB (FC) technology: robust technology
- 320 × 320 HxV pixels highest resolution
- Cool and power efficient design
- Brightness 1000 Nits, contrast ≥ 10 000/1
- Size $496 \times 496 \times 62$ mm
- Extremely lightweight 6.1 kg cabinet
- Fast and easy installation
- This new technology and LED cabinet is **patented**.











There is a technology trend where resolutions always seems to increase, display quality always gets better and sharpness or pitch follows this trend. beMatrix as a technology leader must be prepared for this market evolution and aims to have products launched at the moment the market is ready. Therefore, a new high res LEDskin® P1.9 IMD 2in1 is born.

Glue on Board technology

A very thin layer of glue is applied on top of the whole LED module to reinforce the individual LEDs and resulting in a higher overall product durability. This advanced top notch GOB technology forms at the same time an aditional contrast enhacing optical layer providing viewers a very high image quality.





INNER







OUTER



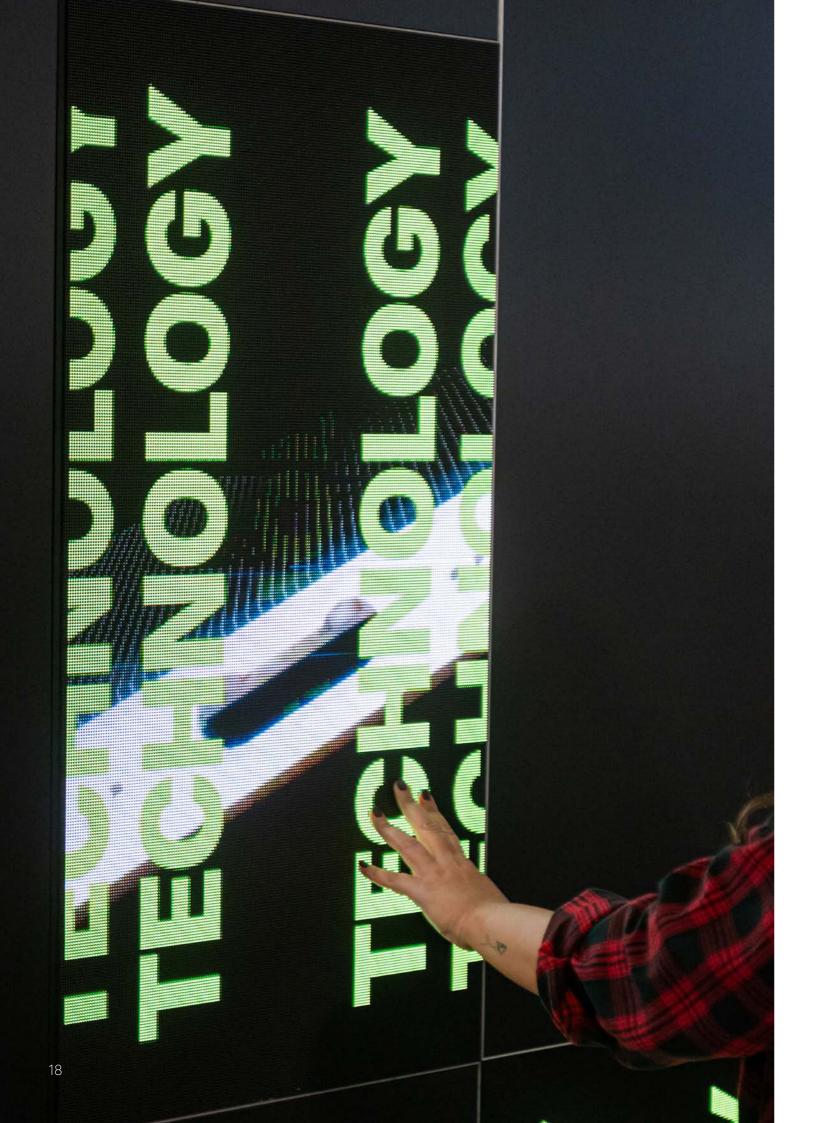
Freedom of form

The creative ways in which you can use this LEDskin® P1.9 are almost endless and allow you to unlock your imagination. Think outside the conventional cube with a convex and concave LED module.

The P1.9 LED technology uses a wide viewing angle and gives your content a stunning color & brightness. Next to the curveture options we also offer a P1.9 perfect corner to play with optical illusion.

Core specifications (straight module)

- Original beMatrix b62 frame compliant
- IMD MT2 2in1 state of the art LED tech brings a very wide color brightness viewing angle
- Glue on Board technology: highly durable
- 256 × 256 HxV pixels highest resolution
- Brightness 1000 Nits, contrast ≥ 5000/1
- Size 496 × 496 × 62 mm
- · Lightweight 7.6 kg cabinet
- Fast and easy installation



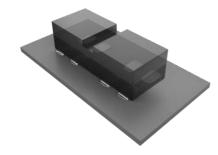


LEDskin® P2.5

A new generation of LEDskin® is launched with a new design language, improved display specifications, more integration options available in **straight**, **convex**, **concave**, **perfect corner and outdoor**. This tile includes all learned lessons beMatrix acquired. Produced by Infiled, it has a pixel pitch of 2.5 mm to improve the displayed image quality. At the same time, we improved the **strength and robustness** of the LED surface using **IMD 2 in 1** LED technology.

Integrated Matrix Device LED technology

This new LED cabinet uses IMD (Integrated Matrix Device) 2 in 1 technology. Two groups RGB LEDs are gathered in a small unit called IMD. This new generation of LED packaging technology that meets and exceeds the current market demand in terms of both image quality and durability.



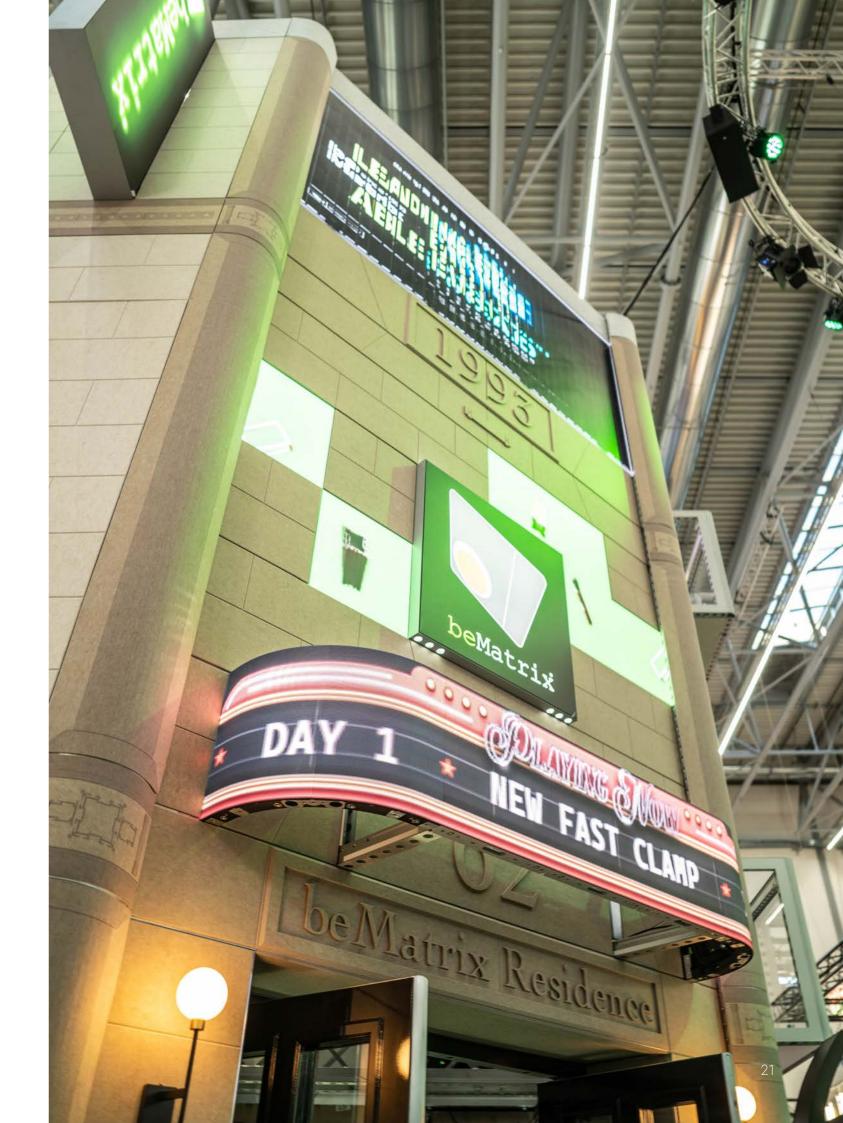
Tech talk

This new LEDskin® P2.5 cabinet gives you a higher reliability thanks to its improved **anti-collision performance**. This latest developed state of the art IMD 2 in 1 LED technology offers an improved color and brightness consistency over a wide viewing angle. The benefits and qualities give you once more a stunning beMatrix creative solution.

LEDskin® also saves on transportation and investment thanks to our expanding rental model where you can collaborate through the bePartner network. Our LEDskin® bePartners have a minimum of LEDskin® stock and years of experience in the audiovisual sector. They can help you with perfectly integrating our LEDskin® into your beMatrix stand and assist in setting up striking content.

Core specifications

- Original beMatrix b62 frame compliant
- IMD 2.5 MT2 technology: high colour consistency
- 192 × 192 HxV pixels high resolution
- Brightness 1200 Nits, contrast ≥ 5000/1
- Size $496 \times 496 \times 62 \text{ mm}$
- Lightweight 7.5 kg cabinet
- Fast and easy installation
- This new technology and LED cabinet is patented.







LEDskin® P2.5 Outdoor

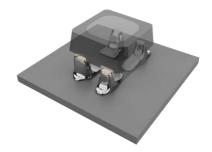
NEW!

beMatrix is literally stepping outside with the LEDskin® P2.5 Outdoor. We are taking our first steps into the world of outdoor LED displays with a 'near view' LED solution in pixel pitch 2.5. Near view means that visitors can view information and advertisements up close on a bright screen with a sharp viewing angle.

With this product, we focus on the market of **smaller pop-up events and outdoor exhibitions** where visitors can pass close to the screen and see the information at a glance.

Bright screen

The high screen brightness typically required for an outdoor screen (4000NIT) together with a stunningly **high contrast** makes this new beMatrix product a perfect fit for your outdoor events. Additionally, when there is no outdoor event ongoing, the beMatrix Outdoor LEDskin® is also a near to perfect fit for indoor usage and adds seamlessly with the beMatrix product range.



Sharp viewing angle

This outdoor product differentiates itself from competition as it delivers a **high image quality**, typically expected for indoor usage. The new beMatrix outdoor LEDskin® shines over a very wide viewing angle making you really stand out with high quality visual imaging, non depending on the viewers position.

Core specifications

- Original beMatrix b62 frame compliant
- · High efficiency high brighness outdoor LED
- Protective and contrast enhancing optical layer GOB
- 192 × 192 HxV pixels high resolution
- Brightness of at least 4000 Nits
- Size 496 × 496 × 62 mm
- Lightweight 8 kg cabinet
- Fast and easy installation
- P65 outdoor protection class
- Outdoor True1 TOP connectivity
- This new technology and LED cabinet is **patented**.

Lock it up

Quick Locking system with built in precision alignment. The locks stay inside de b62 perimeter.

Power in & output

Industry standard power plugs with a live connection capability. You can connect multiple frames together with the power in and output.

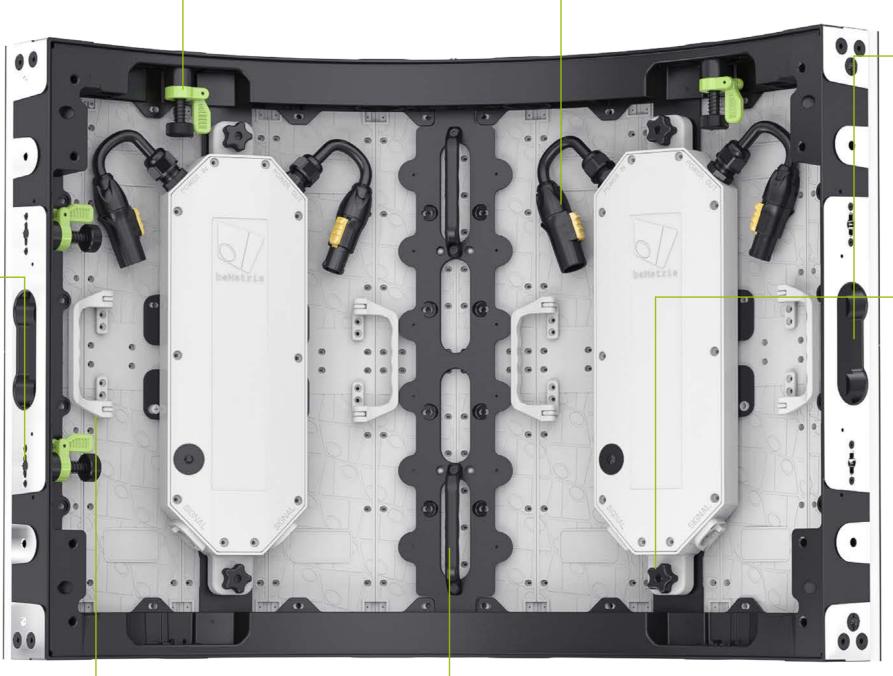
LEDskin® product features

Every beMatrix LEDskin® product has been created with the same **strong product features:** easy connection, service ability, compatible with the b62 product range. Let's get a closer look.

Easy connection

We installed extra slots, for a quick connection with other LEDskin® products such as the straight, curved, or perfect corner modules. Connection with slot profiles, Double Deck and beConstruct is also possible.





Handle like a pro

Every LED product has LED board grips for an easy handling.

Seamless finish

The advanced, precision-engineered frame ensures flawless visuals with no gaps or seams, delivering consistent perfection every time.

Handles

For optimal handling we kept all LED panels as light as possible. Each one is provided with a handle to carry around the frame safely without damaging the modules.

Service ability

PDU module can easily be removed without any tools. LED modules in front can be exchanged.

EXPERT TIP: For the straight module we have a handy removing tool for this: the GEKKO





Transport, protect, plug and play

You don't need to be a wizard to use LEDskin®. Our LED wall is plug & play: you only need to mount the tiles, plug it in and connect to your video device/computer.

The dedicated LEDskin® Novastar platform is compatible with both Mac and PC operating systems, as well as with all popular video standards. We have one controller in our range, the Novastar MX20 (200 21 16) which has a high pixel output & advanced features. You simply connect the device in the usual way, start the video or application and the walls of your beMatrix stand instantly come to life!





For optimal handling we kept all LED panels as light as possible. One individual LEDskin® tile weighs in between 7 and 8 kg, depending on the model, and has a handle to carry it around.





This flightcase has been developed with the main goals of fast, safe, handy and full LEDskin® protection. We provided a creative layout with in-case protection where no physical contact between LEDs and Flightcase is possible. This flightcase fits 8 LEDskin® tiles (2 m²) and all cables needed for any creative setup.



Technical specifications

PIXEL PITCHES	1.5 MM COB	1.9 MM 2IN1 GOB	2.5 MM IMD 2IN1	2.5 MM OUTDOOR
Straight LED frames		NEW	1	NEW
Art. no.	215 20 08	219 10 08	225 10 08	225 11 08
Number of LEDskin® modules per cabinet	4 pcs	4 pcs	4 pcs	4 pcs
LEDskin® module resolution	180 × 180 pixels	256 × 256 pixels	96 × 96 pixels	96 × 96 pixels
LEDskin® module dimensions	248 × 248 mm			
LEDskin® cabinet resolution	320 × 320 pixels	256 × 256 pixels	192 × 192 pixels	192 × 192 pixels
LEDskin® cabinet dimensions	496 × 496 × 62 mm			
Pixel density	416.233 pixels/m ²	266.389 pixels/m ²	149.844 pixels/m ²	149.844 pixels/m ²
Cabinet weight	6,1 kg	7,9 kg	7,5 kg	7,9 kg
Curved LED frames - concave -	R430		NEW	1
Art. no.	-	289 14 19	289 14 25	-
Number of LEDskin® modules per cabinet	-	4 pcs (2 left – 2 right)	4 pcs (2 left – 2 right)	-
LEDskin® module resolution	-	138 × 96 pixels	138 × 96 pixels	-

711 11 1101		200 14 10	200 14 20	
Number of LEDskin® modules per cabinet	-	4 pcs (2 left – 2 right)	4 pcs (2 left – 2 right)	-
LEDskin® module resolution	-	138 × 96 pixels	138 × 96 pixels	-
LEDskin® module dimensions	-	356 × 248 mm	356 × 248 mm	-
LEDskin® cabinet resolution	-	368 × 256 pixels	276 × 192 pixels	-
LEDskin® cabinet dimensions	-	496 × 496 × 496 mm	496 × 496 × 496 mm	-
Pixel density	-	266.389 pixels/m²	149.844 pixels/m ²	-
	1			

Curved	l FD frames -	CONVEY	- R430

Curved LED frames - convex - R430			NEW!	
Art. no.	-	289 04 19	289 04 25	-
Number of LEDskin® modules per cabinet	-	4 pcs (2 left – 2 right)	4 pcs (2 left - 2 right)	-
LEDskin® module resolution	-	156 × 96 pixels	156 × 96 pixels	-
LEDskin® module dimensions	-	402.6 × 248 mm	402.6 × 248 mm	-
LEDskin® cabinet resolution	-	416 × 256 pixels	312 × 192 pixels	-
LEDskin® cabinet dimensions	-	496 × 496 × 496 mm	496 × 496 × 496 mm	-
Pixel density	-	266.389 pixels/m²	149.844 pixels/m²	-

Perfect Corner LED frames

Art. no.	292 04 00	291 04 00	291 04 00	291 04 00
Number of LEDskin® modules per cabinet	8 pcs	8 pcs	8 pcs	8 pcs
Frame type	COB frame	Std MKIII frame	Std MKIII frame	Std MKIII frame
Compatible with	P1.5 COB	P1.9, P2.5, P2.5 Out.	P1.9, P2.5, P2.5 Out.	P1.9, P2.5, P2.5 Out.



Did you know that the same perfect corner frame can be used to fill with P1.9, P2.5 en P2.5 outdoor modules. One frame does it all.

Mechanical and optical ratings

Surface flatness	Gap ≤ 0,12 mm	Gap ≤ 0,20 mm	Gap ≤ 0,20 mm	Gap ≤ 0,20 mm
Brightness	1000 nits	1000 nits	1.200 nits	4000 nits
View angle	170°/170°	160°/160°	170°/170°	170°/170°
Optimal viewing distance	≥ 1,5 m	≥ 1,9 m	≥ 2,5 m	≥ 2,5 m
Brightness adjustment	0-100% 100 steps	0-100% 100 steps	0-100% 100 steps	0-100% 100 steps
Contrast ratio	≥ 1:10.000	≥ 1:5000	≥ 1:5000	≥ 1:5000
LED technology	COB FC	IMD 2 in 1	IMD 2 in 1	SMD outdoor
Color technology	EBL+	CBSF	CBSF	Std.
Refresh rate (Hz)	3840	3840	3840	3840
Mask	No	GOB	Yes	GOB
LED Push off force	Na.	Na.	4,3kg AVG	Na.

Power supply

Max. power consumption / cabinet	140 W	150 W	144 W	200 W
Average power consumption / cabinet	25 W	50 W	30 W	50 W
Platform	Novastar	Novastar	Novastar	Novastar
Receiver card	A10s-Pro	A10s-Pro	A10s-Pro	A10s-Pro
Operating life	100.000 hours	100.000 hours	100.000 hours	100.000 hours



Product Drindles

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b62

The 62 mm grid assures a perfect fit in any direction.
Create any shape imaginable.

2



Toolless

Hardly any tools needed.

The fastest system to build.

3



System & custom

Unique merge of the modular system and custom elements.

4



ECO surface treatment

Brushing process that does not harm the environment.

Keep the body, change the skin

Endlessly reusable, just change the graphics!



7

beMatrify, our DNA

Easy to finish (panels/textile) and always connectable to the rest of the system.



6

Welded frames

Lighter, stronger and faster assembly than standard frames.



5

360°

Use the frame for walls, ceilings and floors. It harmoniously blends into one.







Logistics

The aluminium frame system is lightweight, hence very ergonomic and eco-friendly: no need for the stand builder to carry around heavy structures, while **transport weight and CO2 emissions remain**low

beMatrix also helps with the transportation from departure to arrival, including any customs formalities.



MybeMatrix

Technical leaflets & 3Ds

In MybeMatrix you have access to all our "how-to's" and technical leaflets with step by step guides.

3Ds show more than images.

Get full access to the 3D library!









beMasters

Our international network of exhibition builders.

Training

Our events are the perfect opportunity to discover the versatility of the frame system and to get a unique glimpse behind the scenes of beMatrix.









beCAD

Create, control and calculate your beMatrix project with beCAD.

Completely free, all-in-one online tool loved by exhibition designers.





CO2 Calculator

Calculate your stand's carbon footprint and stand out from your competitors.

bePartner network

We collaborate with a few select partners/suppliers for specific services. These partners have been hand-picked and they are audited annually!









Kontainer

A wide selection of projects for you to become acquainted with beMatrix products, services and the endless possibilities of our system.

Global Rental Network

The Global Rental Network is a **network of service centres** holding a large range of beMatrix products, **spread all over Europe**, **the UK and the USA**. Thanks to this network, you do not have to ship your beMatrix stock between locations, but you can use the large stock available locally. Moreover, the availability of frames is almost unlimited, even allowing you to build exceptionally large projects.



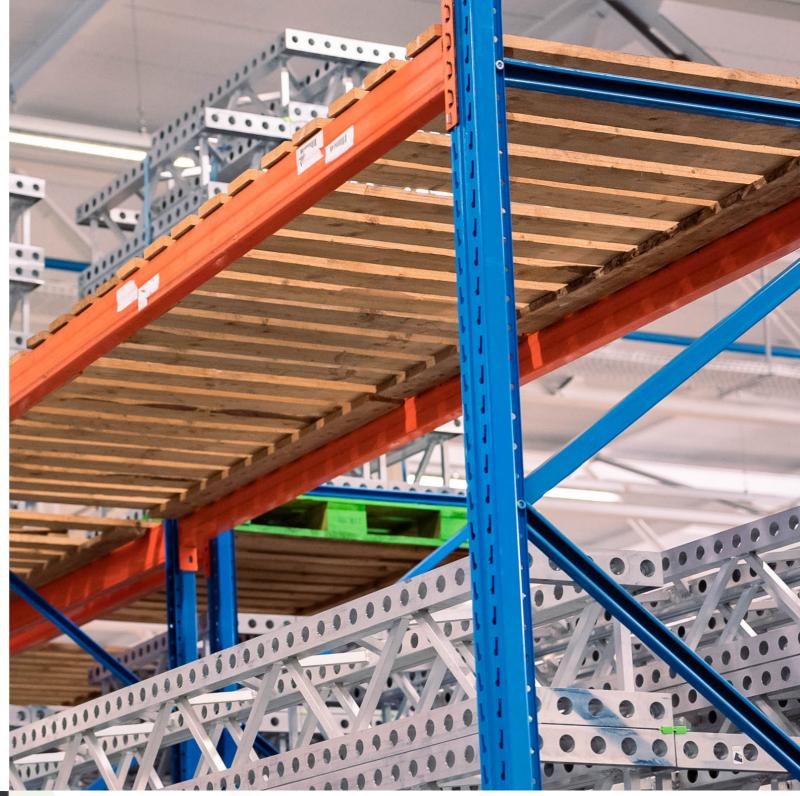
EU Locations

+ US Locations: Atlanta & Las Vegas

We offer two different renting options at a favourable price and, maybe even more interesting, the possibility to spread the cost of your beMatrix project.

Short-term renting has a typical run time of 1 day to 6 months. **Long-term** renting has a minimal run time of 6 months with a minimum of 50 frames. Both rental plans can also be combined, to meet your specific needs.





Benefits of our Global Rental Network

- Short-term or long-term rental (or combine both)
- Large local stock
- Local showroom near to you

- Technical advice and excellent service
- Test builds possible
- No extra storage space needed

Contact



Wijnendalestraat 174 8800 Roeselare Belgium

+32 51 20 07 50 rental-belgium@beMatrix.com

beMatrix Scandinavia **Rental & Service Center**

ldögatan 55 582 78 Linköping Sweden

+46 727 28 34 54 m.hammarberg@beMatrix.com

beMatrix Germany Rental & Service Center

Benzstraße 14 35799 Merenberg Germany

+49 171 35 44 014 k.stegmaier@beMatrix.com

beMatrix USA Office | Production | Rental & **Service Center**

4476 Park Drive Norcross, GA 30093 **United States**

+770 225 0552 t.ericson@beMatrix.us

beMatrix UK **Rental & Service Center**

Unit 2 Lobb Farm, London Road Tetsworth Thame OX9 7BE United Kingdom

+44 1844 28 10 85 a.burton@beMatrix.com

beMatrix France Rental & Service Center

Le Parc de l'Evénement 1, Allée d'Effiat, 91160 Longjumeau France

+33 614 51 57 15 d.breitschaft@beMatrix.com

beMatrix Italy **Rental & Service Center**

ABS Group Via F. Marinotti 45 31029 Vittorio Veneto TV Italy

+39 3453 65 69 32 g.grando@beMatrix.com

beMatrix Las Vegas **Rental & Service Center**

7900 W Sunset Rd 89119 Las Vegas United States

+1 702 807 2508 customerservice@beMatrix.com

beMatrix The Netherlands Rental & Service Center

Uilenwaard 6 5236 WB 's-Hertogenbosch The Netherlands

+31 640 74 66 51 e.stadhouders@bematrix.com

beMatrix Poland

Rental & Service Center

św. Michała 100 61-005 Poznań Poland

+48 513 18 00 99 I.checinski@beMatrix.com

beMatrix Spain **Rental & Service Center**

Base3 C. Torrent Tortuguer 42-52 08210 Barberà del Vallès Spain

+34 93 719 09 00 rental-spain@beMatrix.com



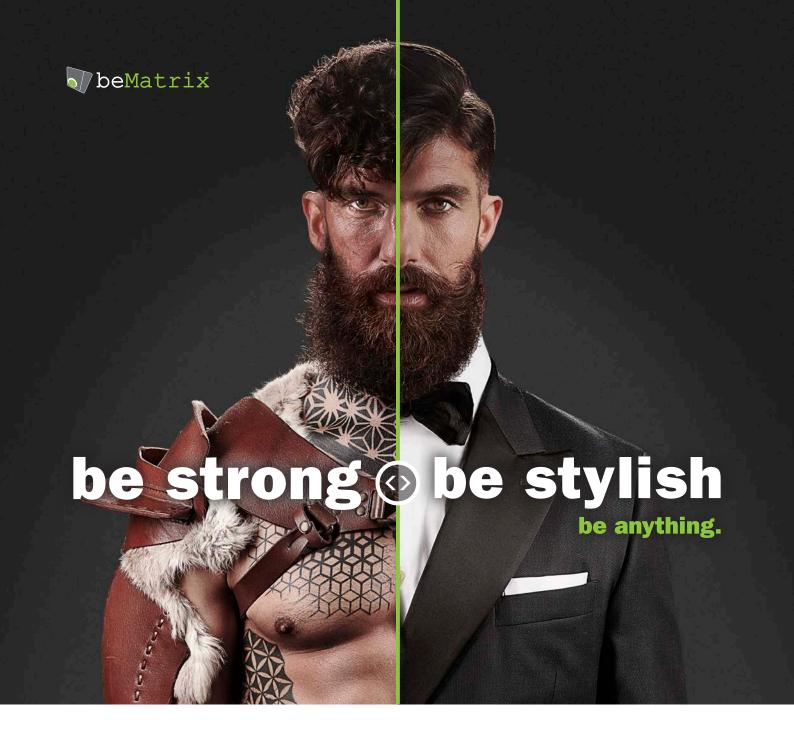












Come say hi

HQ Belgium Wijnendalestraat 174 8800 Roeselare

get in touch

+32 (0)51 20 07 50 info@beMatrix.com

or boost your inspiration

www.beMatrix.com socials @beMatrix

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