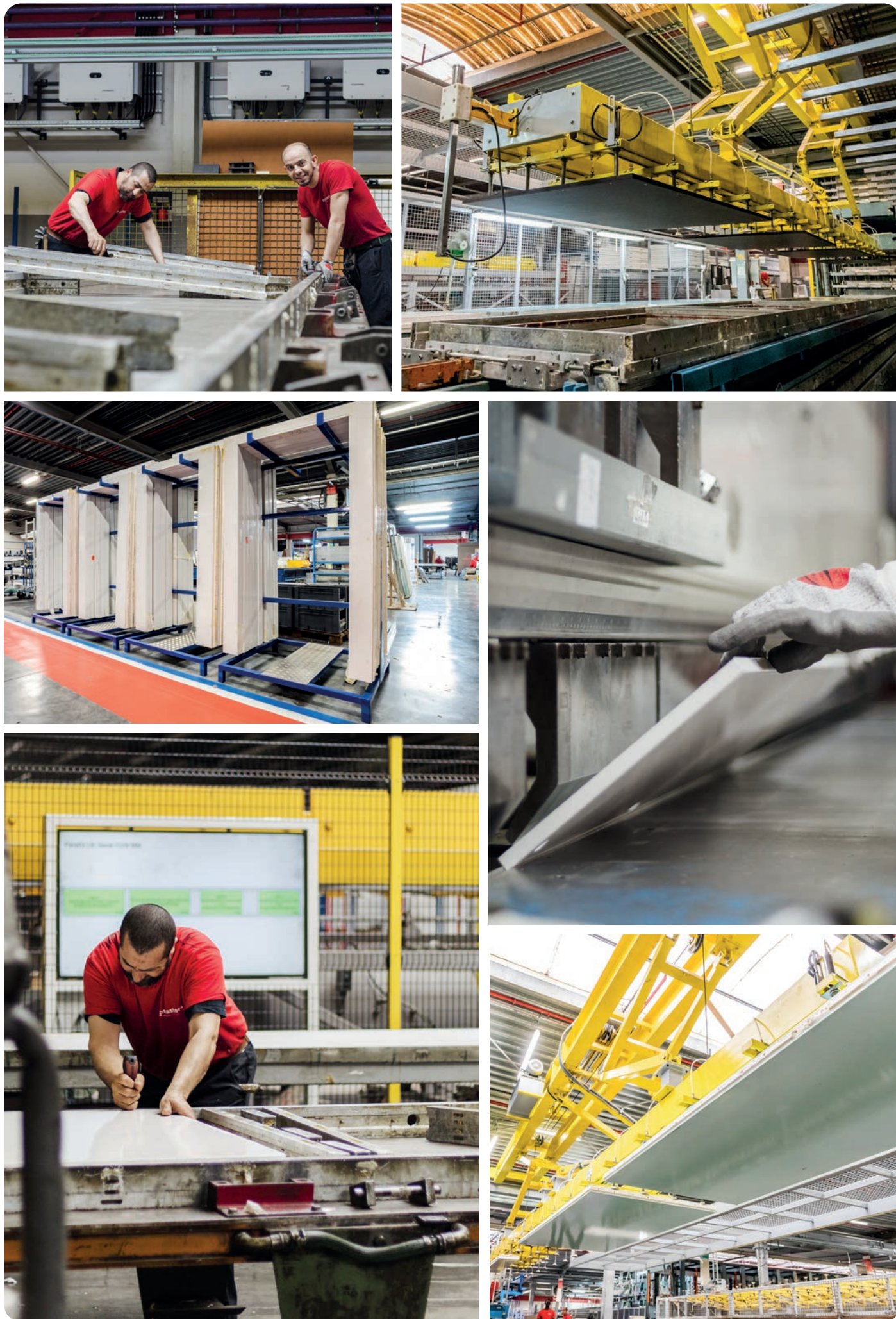


fastflex®

Reinventing the cold room



 **isomasters**
by kingspan



"FastFlex® reduces cell assembly time by up to 35% and it reduces energy consumption for the end user by 29.7%." *

Dear partner,

Faster assembly. Hygienic corners and edges. Better insulation. Modular and flexible design. With the possibility to order online.

Our FastFlex® is a direct response to our customer's demands. Your precious feedback about the current range of cold rooms available on the European market directly inspired us to launch isomasters FastFlex®. An innovative cold room, designed to meet all your requirements.

Read this brochure to discover the advantages and the technical characteristics of our FastFlex® system.

On behalf of all our colleagues, I want to thank you for the confidence you have expressed in our expertise as market leader.

Philippe Carels
Sales director

*Philippe
Carels*

* Internal testing



fastflex®

Rapid assembly, flexible design, hygienic and energy efficient

Rapidity and flexibility. The *holy grail* for any cooling technician. Our FastFlex® combines them with hygienic corners and optimal, measured insulation values. Configure and order it on our practical online platform.

1

The advantage of rapidity and flexibility

Six good reasons to christen your new cold room FastFlex®:

→ **Symmetrical panels**

FastFlex® knows no limit when it comes to placing the panels. 100 % symmetrical, 100 % flexible assembly... with 0 % waste of time.

→ **Logical packing**

What you need first is found at the top of the packaging: the floor panels. No need to look for the right panel. The order in which the product is packaged is the order in which it should be assembled. Logical, right?

→ **Hygienic angles**

The corner beams for the cold rooms when the thickness of the panels is 60 mm (ISO06) and 80 mm (ISO08) integrate rounded inside angles. No additional profiles, better hygiene and speed of assembly.

→ **Easy Peel protective film**

As the name suggests, you remove this innovative film from the panels in one movement. No residual glue and no headaches.

→ **Pre-assembled hinged doors**

Isomasters assembles the hinged doors of the cold rooms in the wall panel at the factory. Including the upper integrated door panel (depending on the height of the cold room).

→ **Silicone-free structure**

Our patented 3D structure and the tongue and groove system ensure optimal overall insulation. The panels lock perfectly, meaning that sealing is no longer necessary.

2

High insulation values

Cooling that is energy efficiency begins with good thermal insulation panels. The profile of the panels, the sealing of the doors, etc. also plays a crucial part.

→ Permeability to air: wind tunnel test: 30.1 % better than similar cold rooms on the market.

→ Lambda value: 0.02236 W/mK.

→ Energy consumption/durability: 29.7 % less energy consumption than similar cold rooms on the market.

→ Unique tongue and groove system on all the panels: airtight connection.

→ No thermal bridging.

→ Foam corner beams for any application.

→ Double rubber sealing band at the leaf.

3 Hygienic angles and edges

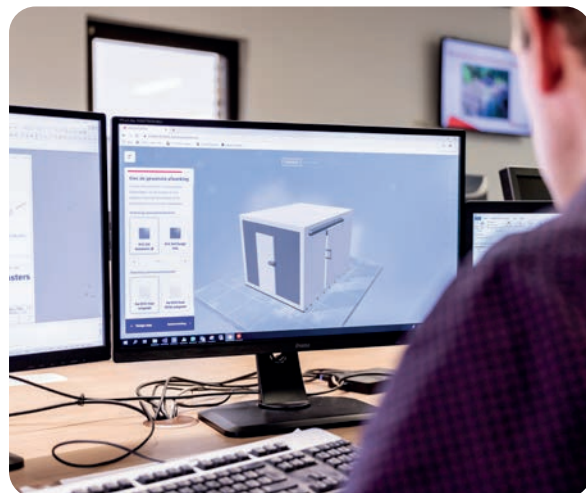
Your customers use the cold room to store foodstuffs, medication or other perishable goods. Therefore it is crucial that the inside is organised in the most hygienic way possible. In this respect, our FastFlex® offers the following advantages:

- The panels interlock perfectly thanks to our patented 3D locking system and the tongue and groove connections.
- The threshold of the cold room is perfectly aligned with the DuraFloor® floor panels.
- The DuraFloor® floor panels are hardwearing, anti-slip and easy to clean.
- The ISO06 and ISO08 cold rooms have integrated rounded interior angles that have a radius of 15 mm.
- The hinged or sliding door has a flush leaf with no frame for edges that are always clean.

4 Configure and order online

Even before your cold room is sold, you already know exactly what it will look like. Our online cold room configuration tool even gives you a very practical 3D representation. You can also consult and download this useful information:

- the price of your cold room configuration;
- the 2D assembly plan, and
- the delivery time (after ordering).



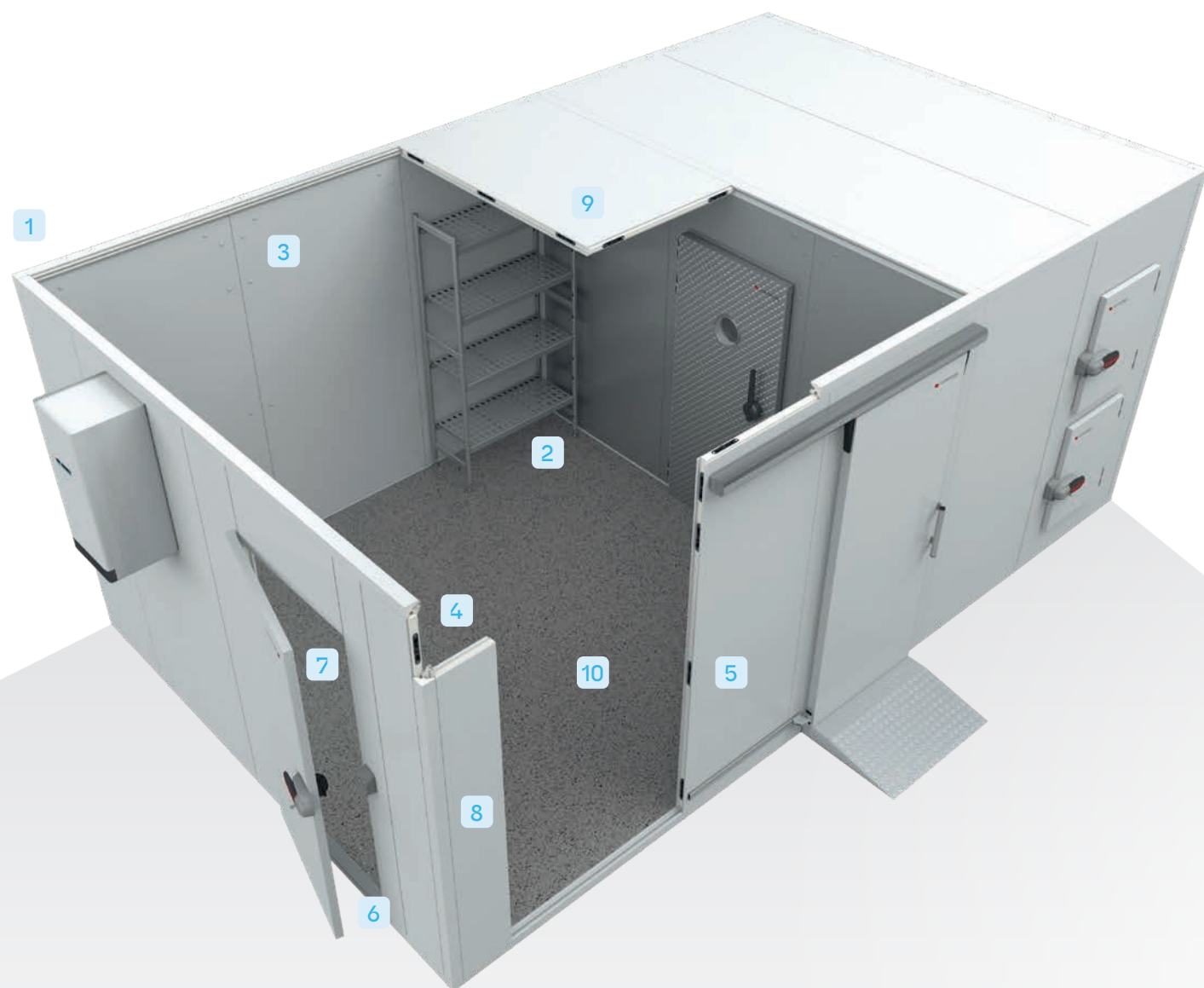
All it takes is a few clicks to order the configuration of your choice online. Even outside office hours, from your laptop computer, tablet or smartphone. Do you still have questions? You can count on our isomasters colleagues to advise you.

configurator.isomasters.com



fastflex®

Construction & features



1



Insulated corner beams

All FastFlex® cold rooms come with insulated corner beams.

2



Integrated inside angles

For ISO06 and ISO08 panel thickness, the corner beams are rounded on the inside side (radius of 15 mm).

3



Symmetrical panels

All FastFlex® panels can be mounted in both directions thanks to a symmetrical tongue and groove system. You can also assemble the cold room from the inside or from the outside.

4



Interchangeable connection profiles

Versatile profiles thanks to which you can fix the corner beams on the grooved side of the panel.

5



Patented 3D locking

The increased resistance to traction of this system (up to 223 kg per connection) allows double connecting of the panels.

6



Threshold

The threshold of the cold room is perfectly aligned with the DuraFloor® floor panels.

7



Double door seal

Each hinged or sliding door has a rubber seal for maximum sealing and minimal energy loss.

8



Different sizes of module

The standard size of the FastFlex® panel modules for cold rooms is 300 mm. Other widths are available per 50 mm on request.

9



Self-supporting ceiling

The FastFlex® ceiling panels are self-supporting up to 3.9 metres in length. Greater loads require self-supporting IPE suspensions.

10



DuraFloor® floor panels

Solid, hard-wearing (AC4), anti-slip (R10) and easy to clean.



Product information

With FastFlex®, assemble cold rooms suitable for a wide range of applications: from horeca to the pharmaceutical sector to *vertical farming*. The modular patented construction system is very flexible during assembly and during finish. Inspired by customer feedback and based on in-depth research and innovation, our FastFlex® adapts to all markets and all applications.



"Whatever the application of FastFlex®, we always go for the highest quality! 3-year warranty included."

Technical characteristics

Thickness of wall, ceiling and floor panels	ISO06 – ISO08 – ISO10 – ISO14	
Thickness of door leaf	60 mm (refrigeration) and 100 mm (freezing)	
Modular wall and ceiling panel sizes	300 mm (50 mm on request)	
Modular door sizes	100 mm	
Types of doors	Hinged or sliding door, hatches, refrigeration or freezing version (including various options)	
Type of floor	With or without floor	
Panel profiles	Symmetrical tongue and groove system	
Locking	Patented symmetrical 3D locking	
Integrated rounded inside angle	Assembly on all the vertical and horizontal corner beams with a radius of 15 mm (ISO06 and ISO08)	
Insulating material	Polyurethane	
Insulation density	41 kg/m³ (± 5 %)	
Manufacturer's warranty	3 years	
ISO 9001	✓	
Door, wall and ceiling panel coating	CleanSafe25, RAL9010 (other coatings possible on request)	
Floor panel finish	DuraFloor®: Compact HDF 10 mm + melamine (other finishes possible on request)	
Resistance to traction locking-locking connection	Internal testing	223 kg
Lambda value	Internal testing	0.02236 W/mK
Ceiling panel occasional load (7×7 cm)	Internal testing	87.7 kg
Evenly distributed ceiling load (1 m² tested on a 5.88 m² surface)	Internal testing	300 kg
Floor panel occasional load (5×5 cm)	Internal testing	250 kg
Evenly distributed floor load (1 m²)	Internal testing	3000 kg
Anti-slip floor panels	DIN 51130	R10
Resistance to use of the floor panels	EN 13329 – table 2	AC4



As a member of the Kingspan group, isomasters is committed to a path of sustainability and innovation. Constant product improvements based on Planet Passionate initiatives in the field, including efficient and sustainable transport of orders.

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Sign up for our newsletter on: www.isomasters.com.

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