

MASTER
INDUSTRIE



SEATING SYSTEMS

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SEATING SYSTEMS

Whether your venue is designed for culture, education or sport, it needs practical and safe seating equipment. The wide range of options and finishes offered by Master Industrie allows you to adapt your space to accommodate many different types of events.



EDUCATION

Auditorium
Amphitheatre
Conference
Multipurpose hall



SPORTS

Sports hall
Arena
Stadium



CULTURE

Theatre
Concert hall
Cultural centre
Exhibition hall

RETRACTABLE STANDS

ADJUSTABLE FOR EACH CONFIGURATION



FLEXIBLE SOLUTIONS

Retractable stands allow you to use your hall for a number of different purposes.

- Open, they offer a high level of comfort, suitable for top class events.
- Closed, they leave a flat surface for those events that need maximum floor space.

With the option of splitting modules for storage, and moving them sideways to another hall, Master Industrie's telescopic seating systems offer maximum flexibility.

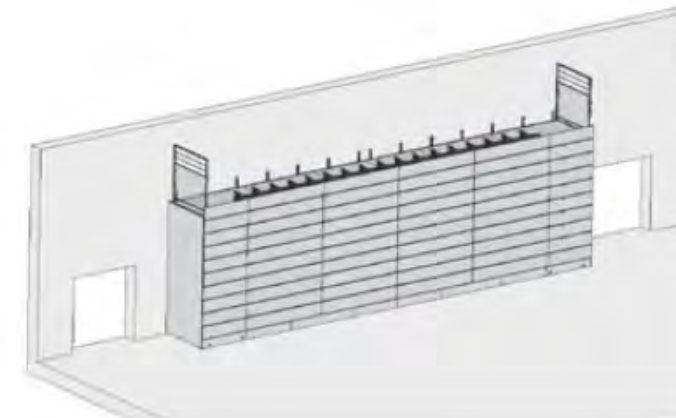
A SAFE SOLUTION

Guiding and locking systems ensure simple and fast operation, making handling easy, safe and quick to learn.

1

COMPLETELY CLOSED

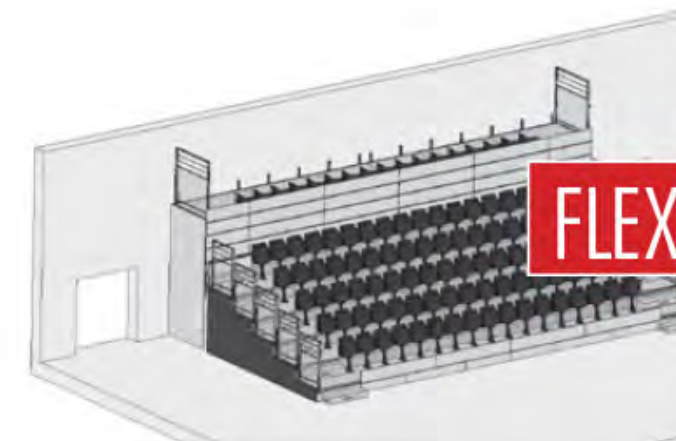
Maximum free space



2

PARTIALLY OPEN

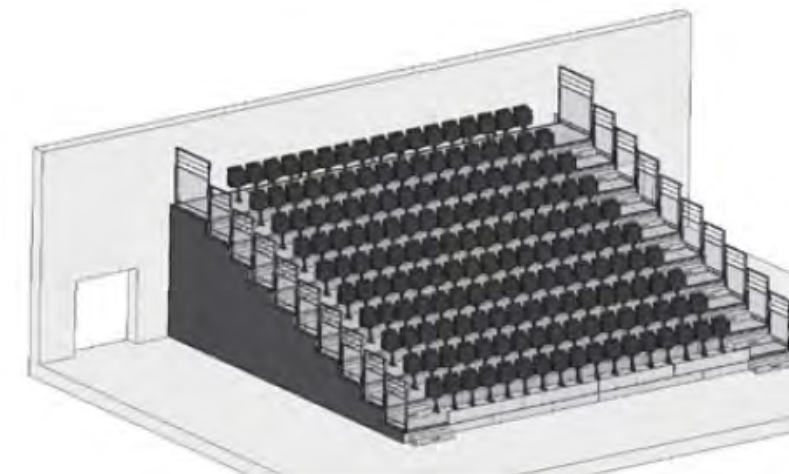
Variable capacity from the front and /or from the back of the stand



3

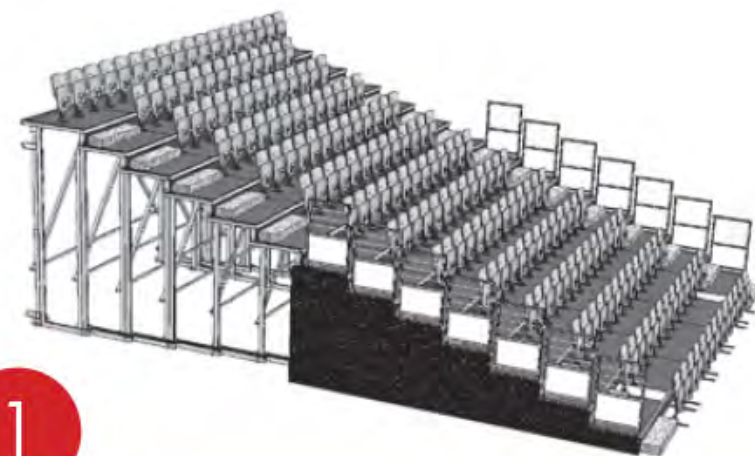
COMPLETELY OPEN

Enhanced visibility line



FLEXIBILITY & SPEED





TECHNICAL DATA
(tier height and depth)

Sport

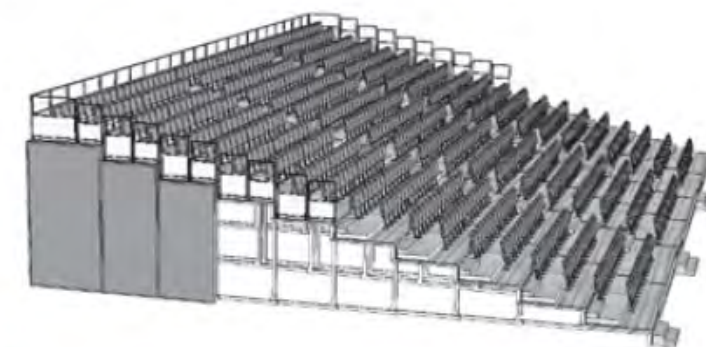
Height from 300 to 500 mm

Depth from 700 to 900 mm

Culture / Education

Height from 250 to 500 mm

Depth from 800 to 1 000 mm



TECHNICAL DATA
(tier height and depth)

Sports / Culture / Education

Height from 300 to 600 mm

Depth from 1 600 to 1 800 mm

**SINGLE ROW
TELESCOPIC STAND**

The most popular layout, this configuration offers the best visibility lines, as there is only one seating row per tier. The last tier is deeper so that it can store the whole folded stand.

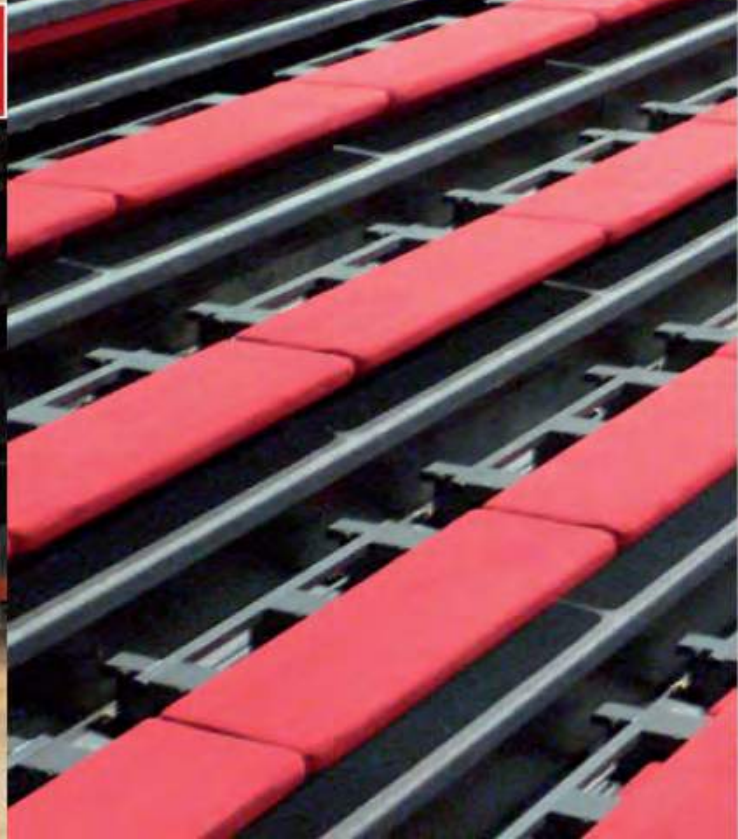


**DOUBLE ROW
TELESCOPIC STAND**

Mainly used in rooms with low ceilings, double row stands provide maximum seating capacity in smaller spaces. Each tier has two rear-mounted seating rows (folding down forwards). Rows can be staggered or every second row can be installed on a step to enhance visibility.



OPTIMIZE AVAILABLE SPACE



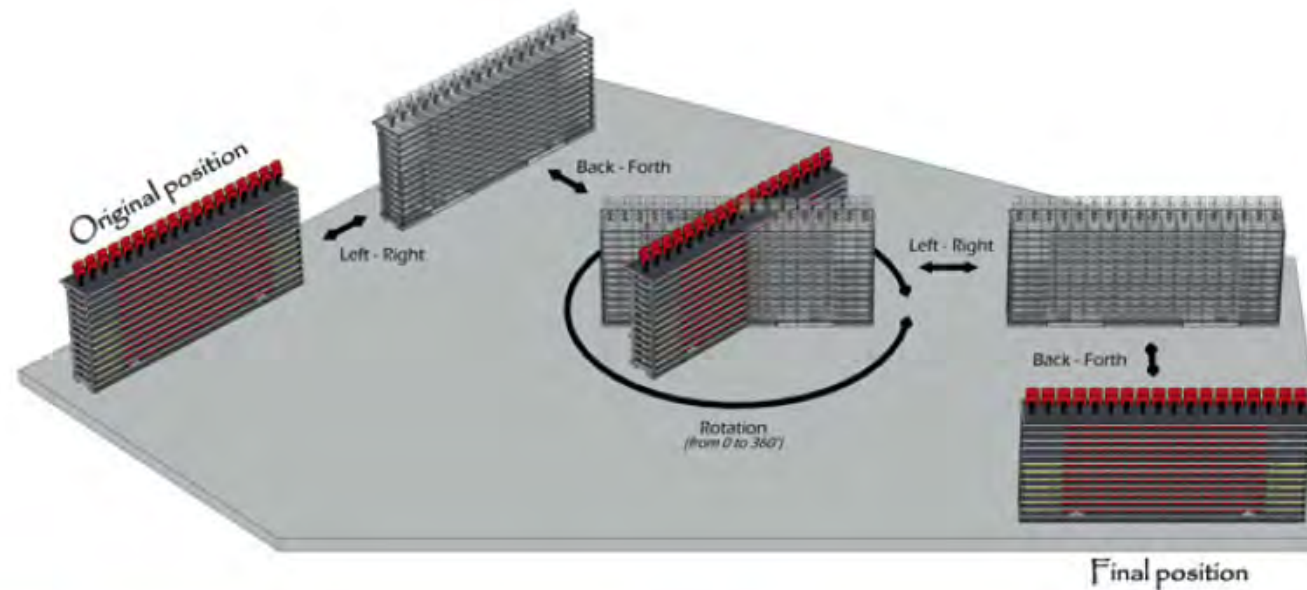
SWITCH BETWEEN CONFIGURATIONS IN A FLASH

LA FABRICA AVIGNON

Avignon Festival is the biggest performing arts event in France, and one of the most important in the world in terms of the number of performances and the size of the audience.

Master Industrie supplied "La Fabrica" theatre with a "Eurêka" telescopic stand. Transportable from one room to the other, it offers 360 seating positions on specially designed, fully upholstered tip-up benches.

RETRACTABLE STANDS THE MODULAR COMMITMENT



MOBILITY SYSTEM

Tailor-made for your needs, our retractable stands can be fixed to the floor or moveable as a block or in modules.

Depending on the type and size of the stand, its movement can be manual or electrically driven.

We also offer the option of moving the blocks with a pallet truck or a forklift.

Larger modules can be moved around via their built-in engine and include the ability to rotate.

EURÉKA SYSTEM

Developed and patented by Master Industrie, the Master Eureka stand-moving system is based on an innovative type of wheels.

With integrated electric motors, this system allows omnidirectional movements: back and forth, left and right and rotations, without having to lift the stand. This feature makes the moving operation quick and safe, and avoids placing increased pressure on the floor.



RETRACLIFT SYSTEM

Having liberated the telescopic stand from its fixed position thanks to Eureka, Master Industrie pushed the line even further by creating Retraclift, combining Master Lift and Master Eureka systems to enhance the number of possible configurations again. This new solution, developed by our R&D department, makes it possible to switch from a bi, tri or quadri frontal configuration to a layout where one stand is behind the other, the rear one being equipped with an integrated lifting table.

The rear stand is then lifted up to the level of the last tier of the front one. Raceways, embedded to the front stand, are opened, allowing the rear stand to open "in the air". Once opened, the rear stand joins with the front stand to create a new, bigger stand with double the number of tiers! The stability of this new stand is guaranteed by built-in brackets.

Just like Eureka, Retraclift is fully integrated into your stand. From now on you do not need cumbersome additional structures and forklifts to maximize the flexibility of your venue! Retraclift has already been installed in Belgium, making the new venue the most flexible ever!



TELESCOPIC SEATING SYSTEMS

SAFETY



FIXED RAILINGS

Mounted to the front or rear of the stand, these fixed guardrails have the same finish as the side railings.

REMOVABLE RAILINGS

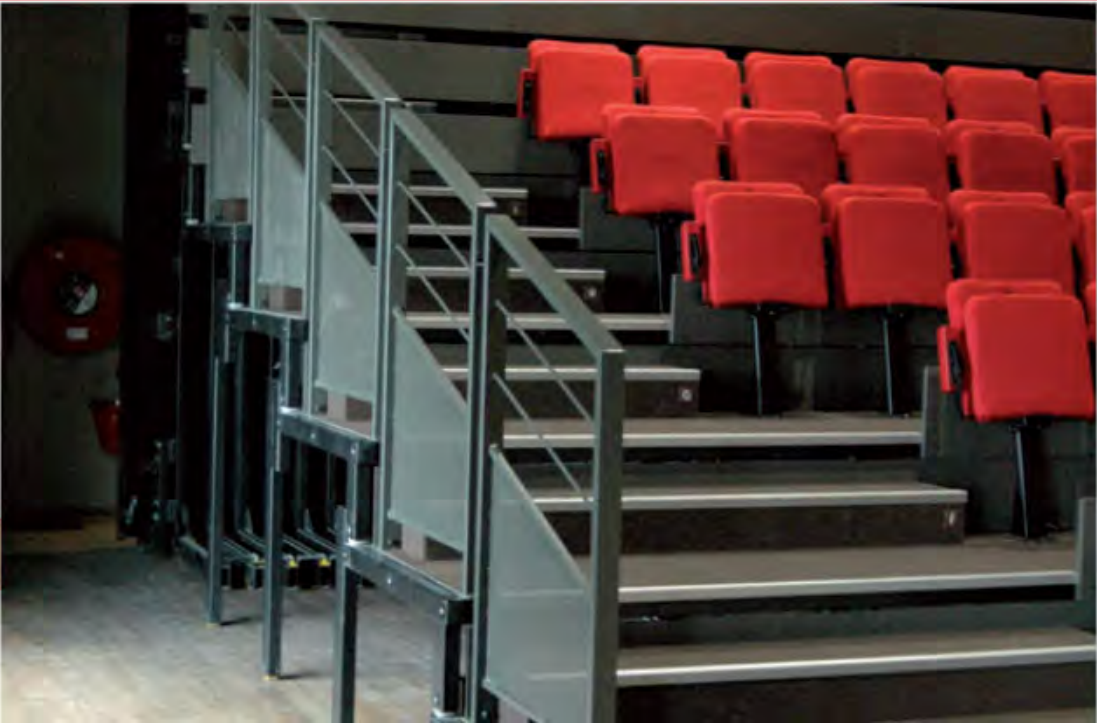
When foldable railings cannot be installed on the stand, they can be replaced with removable ones that can be installed and removed before each operation. Strong and simple, this system has been optimized by our design office to be handled quickly, while ensuring the audience's safety. They can optionally be made of aluminum to be easier to carry. We provide trolleys to move and store them.

FOLDABLE RAILINGS

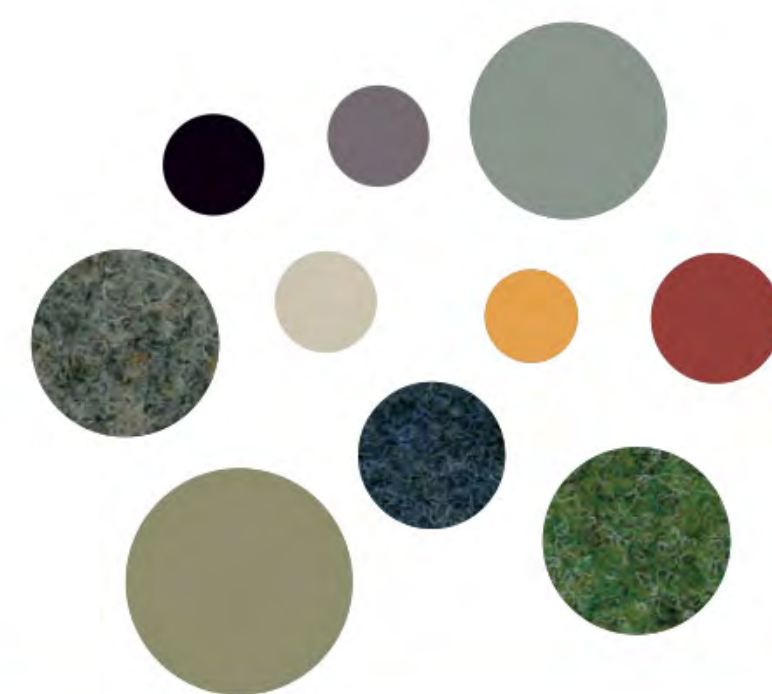
Simply lift our foldable side railings and they will unlock so that you can fold them down. This avoids carrying and storage issues, making your retractable stand ready to open or close instantly.

TELESCOPIC RAILINGS

With the telescopic version of the side railings, the operator can forget all about them. The tubes slide into each other, ensuring safety as soon as the stand is open. This system is greatly appreciated by operators, especially when the configuration is changed frequently.



RETRACTABLE STANDS CHOICE OF FLOORINGS



CHOICE OF FLOORS

Fixed onto the main metal frame, your floor can be made of plywood or HD panels with a minimum thickness of 18 mm. Depending of the use of the stand, it can have an anti-slip surface or be covered with a flooring of your choice.



FLOORING TYPE

Flooring is a major element of the final aspect of retractable stands. It will have an impact on aesthetics, acoustics and the comfort of the audience. Choose from a variety of colours and materials: carpet, linoleum, parquet or PVC flooring.



RETRACTABLE STANDS CHOICE OF FINISHES



CHOICE OF FASCIA / SIDE / BACK DRAPES / PANELS

The finishing touch of the final aspect of the retractable stand, the side and front drapes or panels are of great importance. Except for when stands are between walls, the drapes or panels are vital to prevent people from going under the stand, a major consideration for the audience's safety. At Master Industrie, we offer a tremendous choice of finishes to meet our clients' needs.



CHOICE MATERIALS

Whether they are fixed, removable, or telescopic, the side panels can be made of different materials, including wood, metal sheets, velvet, fabric...



SEATING SOLUTIONS FOR ALL TYPES OF AUDIENCE



- Plastic shell seat
- Wooden bench
- Upholstered bench
- Wooden shell
- Upholstered seats

NO LIMIT TO CUSTOMIZATION

Whatever your venue is used for, Master Industrie has a flexible solution to fit. We design, manufacture and install our own range of seats that can be tailor-made for your project.

TYPE

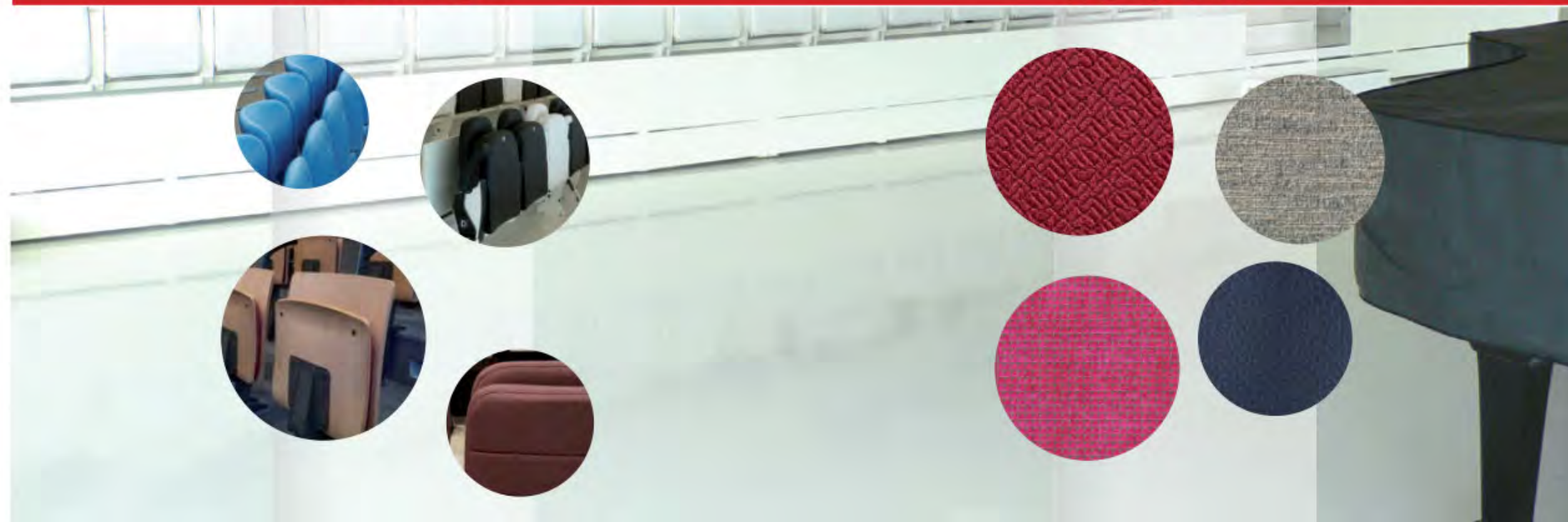
Our "sports" range of seats is comprehensive and we can install the seat of your choice, whether it is fixed or tip-up. For improved comfort, we offer a wide range of wooden and upholstered seats, designed and manufactured in house. They can be tailor-made to match the aesthetics of the venue.

OPERATION

Depending on how often the retractable stand is opened and closed, it can be beneficial to automate the seats' operation. When opening, the stand will raise the seats automatically. When closing, it will fold them down. Impressive time saving!

MATERIALS

COLOURS



SEATING SOLUTIONS
POSSIBLE
CONFIGURATIONS

**FRONT
MOUNTED**

The seat or bench, with or without backrest, is fixed directly onto the front part of the tier.
This type of seating allows two rows of seats on the last tier, thus saving a tier!



**NOSE
MOUNTED**

Fixed in this position, the seats fold down backwards on the tiers. As with front mounted seats, two rows can be installed on the last tier.



**REAR
MOUNTED**

This is the standard fixing position. It offers the opportunity to add front fascia panels to make the finish a vertical wall in closed position. The seats fold down forwards on the tiers.



**RISER
MOUNTED**

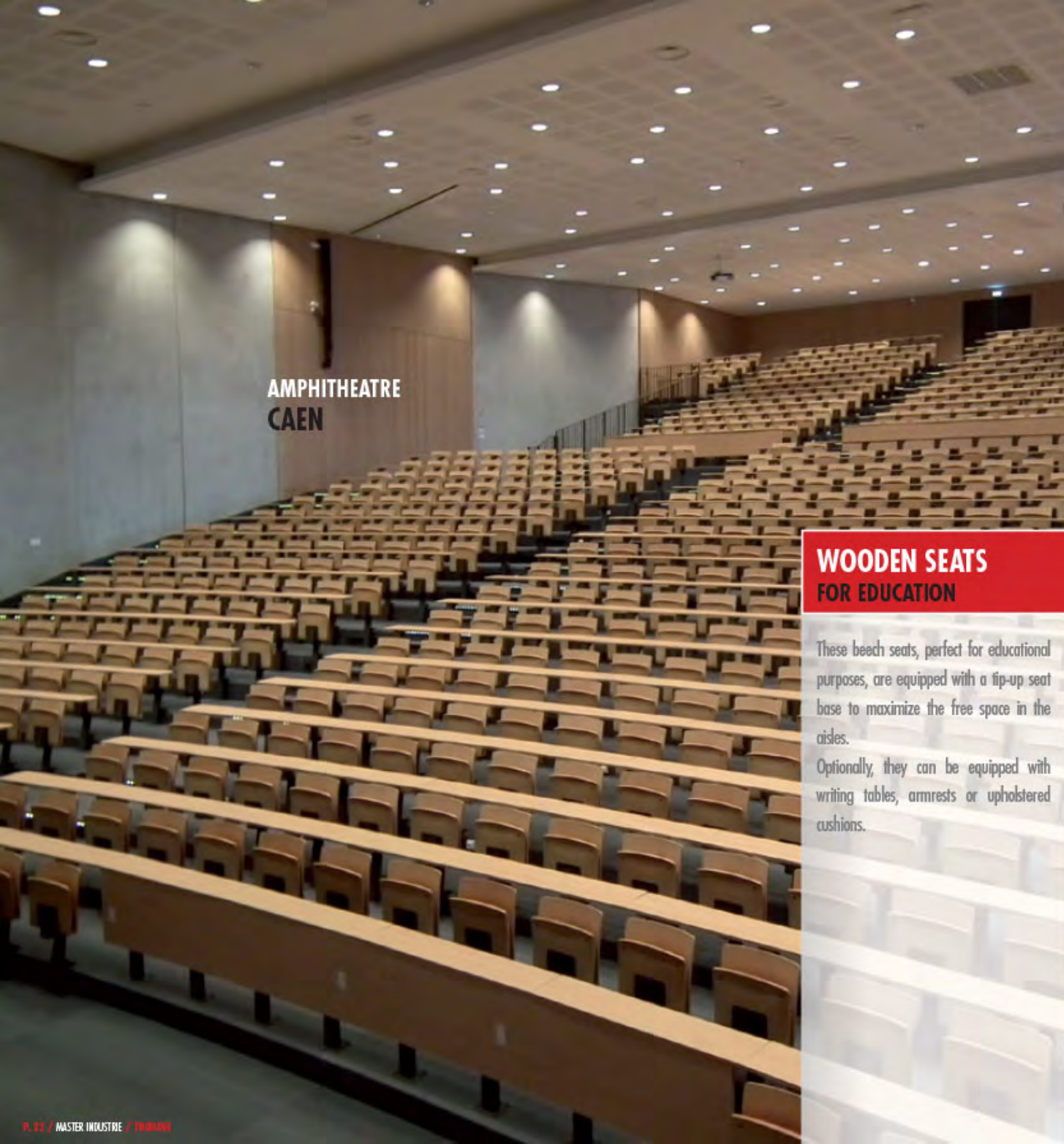
Fixing the seats on the risers of the tiers makes cleaning much easier. The seats are also folded down forwards.



**BOOT
MOUNTED**

The main advantage of mounting the seats in boots is having the option of using the stand with or without seats. When the stand is used without seats, the audience can stand up or sit directly on the tiers. This system is compatible with both nose and rear mounted seats.



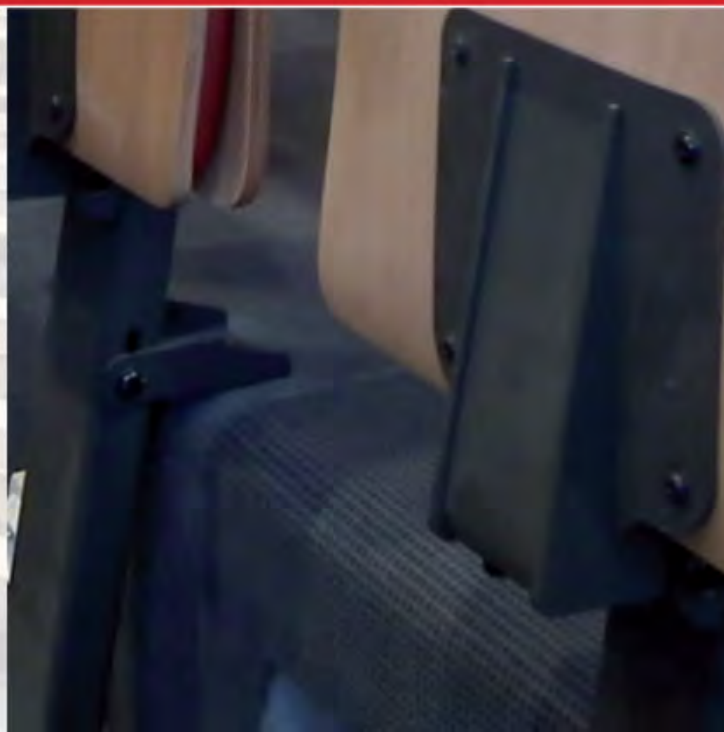


AMPHITHEATRE
CAEN

WOODEN SEATS FOR EDUCATION

These beech seats, perfect for educational purposes, are equipped with a tip-up seat base to maximize the free space in the aisles.

Optionally, they can be equipped with writing tables, armrests or upholstered cushions.



STRENGTH & ERGONOMICS



FULLY UPHOLSTERED SEATS FOR CULTURAL EVENTS

The quality of our seating systems is focused primarily on the audience's comfort. To achieve this, Master Industrie has developed a comprehensive range of upholstered seats. They can fold up and down manually or automatically when operating the stand.

Design, choice of fabrics, armrests, backrest protection... all these options will contribute to customizing your retractable stand to suit your precise requirements.



COMFORT & AESTHETICS

AUDITORIUM
COURBEVOIE

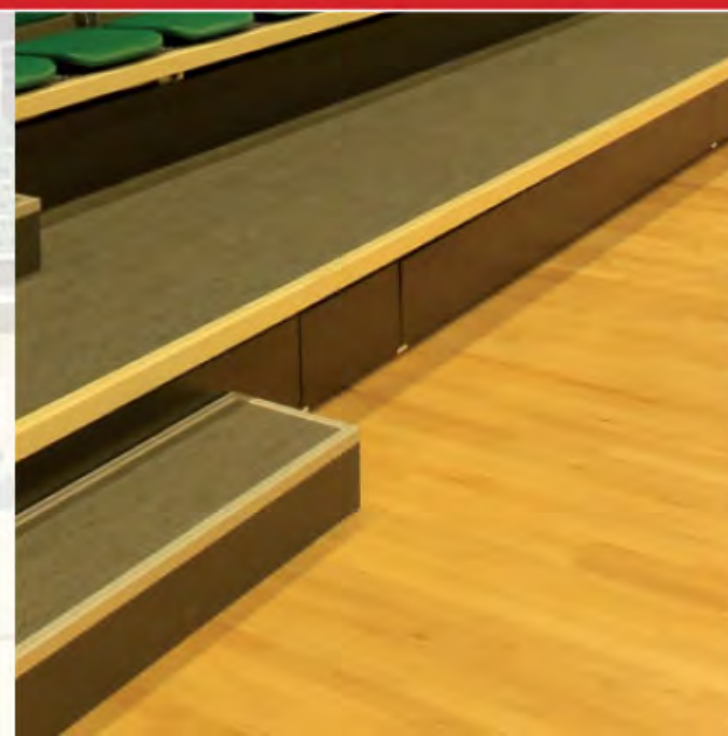


PLASTIC OR WOODEN SEATS OR SHELLS FOR SPORTS

Retractable stands are perfect for sports halls, thanks to plastic or wooden seats that combine strength and value for money.

Designed to adapt to the "seating in motion" positions often seen in sports audiences, they can have different shapes and colors.

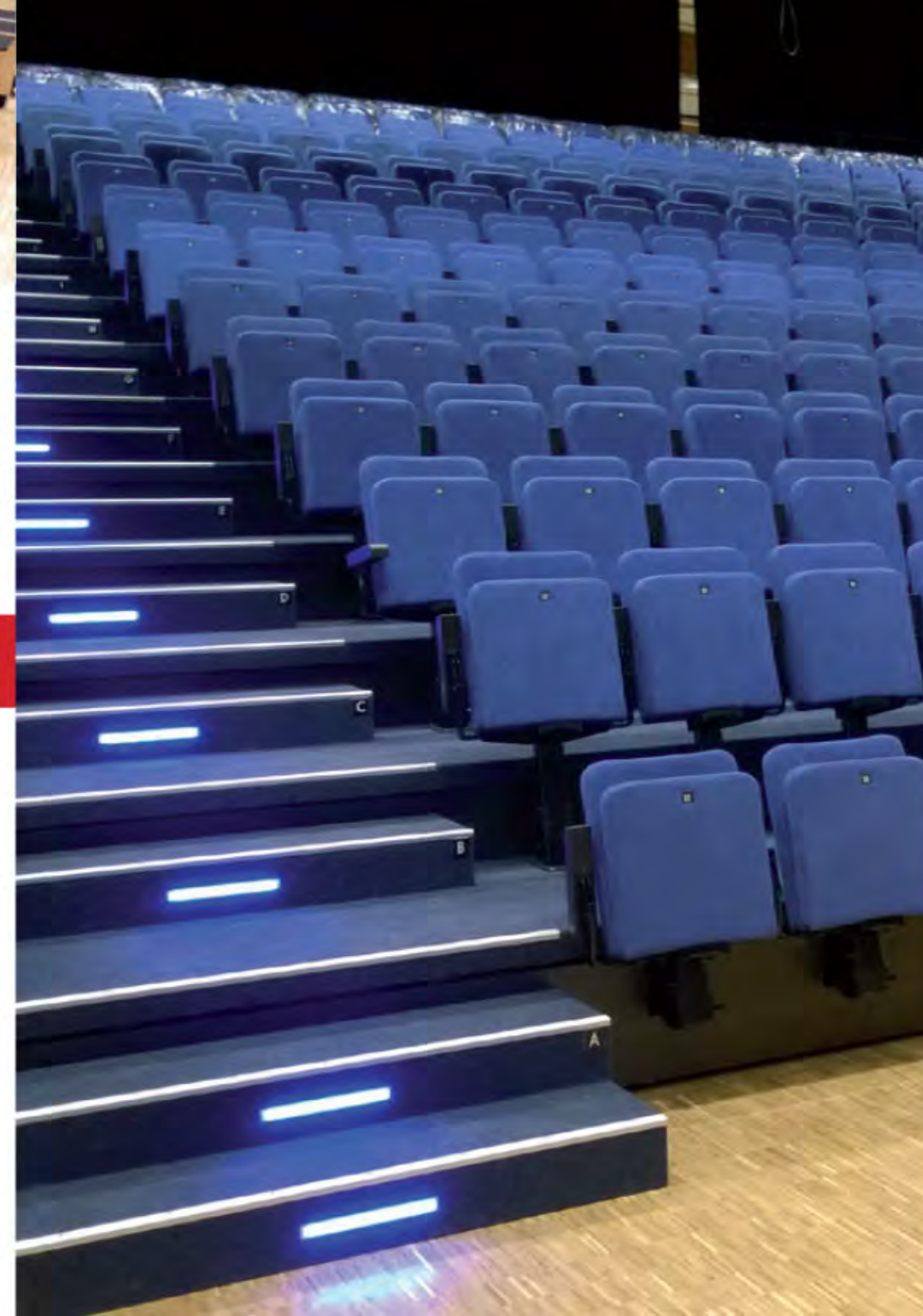
A VIP seat range is available for the more demanding audience members.



DURABILITY & QUALITY

SPORTS HALL
SKJERN • DENMARK

OPTIONAL EXTRAS



Lots of options allow you to customize your retractable stand, mixing function and style, with no limit other than your imagination.

CHOICE OF TABLETS

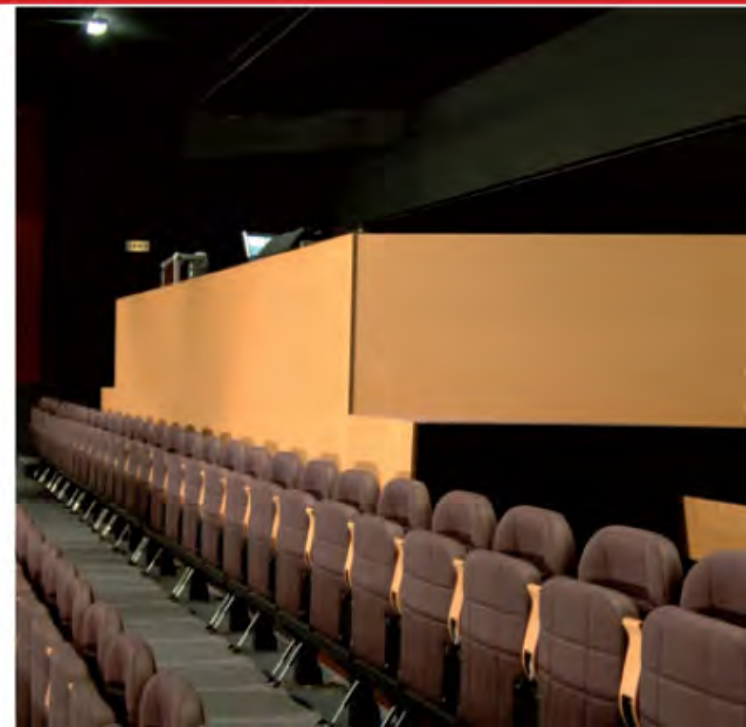
Different configurations and sizes are available: tablets can be individual or continuous; fixed, foldable or removable; attached to the backrest or armrest.

CHOICE OF LIGHTING

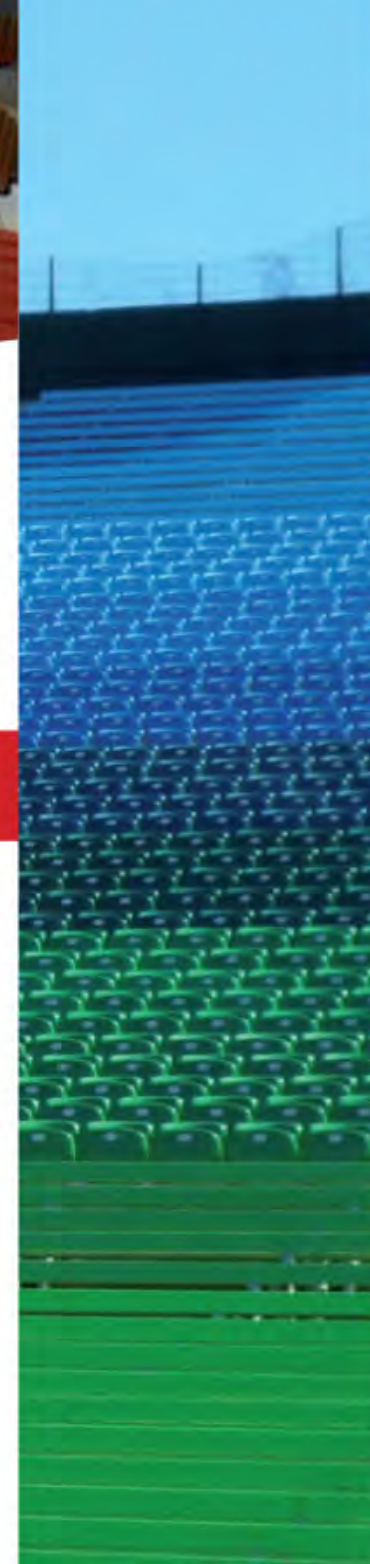
Aisle lighting maximizes the audience's safety. It makes walking in dim lights easier. With our full set of configurable and dimmable LED solutions, it also adds an attractive finishing touch to your retractable stand.

CHOICE OF SOUND BOARD FURNITURE

A sound board desk is necessary for sound engineers at most events. Our desks can be fixed or removable and can be fully customized to meet your needs.



RELEVANT STANDARDS FOR RETRACTABLE STANDS



EN 1090

> Mandatory for the CE mark, since July 2014

EN 13200 SPECTATOR FACILITIES (SOCOTEC certification)

- > EN 13200-1 : General characteristics for spectator viewing areas
- > EN 13200-3 : Requirements: Separating elements
- > EN 13200-4 : Seats
- > EN 13200-5 : Product characteristics: Telescopic seating systems

NF P01-012

> Dimensions of railings - Safety rules concerning the dimensions of railings and hand railings on stairs

EN 1991

> Eurocode 1 – Actions on structures

EN 1993

> Eurocode 3 – Design of steel structures

EN ISO 9606-1 (FORMERLY EN 287-1)

> Welder qualification Fusion welding

EN 15614-1

> Description and qualification of a welding operating procedure

STEEL PAINT

> Polyester powder by specialist ISO 9001 and ISO 14000 certified company

