

ergonomics



KEEP ON ROLLING



SOMEFI is a company dedicated to the manufacture and sale of conveyors and modular handling equipment.

For more than 40 years SOMEFI has offered a complete range of industrial conveyors, of flexible design and able to suit your application.

Automate your installations and benefit from:

- Better use of your production lines or your order preparation systems
- Increased efficiency and ergonomic use your workstations
- Better conditions for employees for avoidance of injury

You will find in this catalogue a presentation of our belt conveyors.

Our conveyors are highly configurable to meet the needs of your application (speed, height, guidance, color ...).

Our sales team is at your disposal to give you all the necessary information to meet all your expectations. We will help you to select the most cost effective and technically suitable conveyor to meet the needs of your project.

SOMEFI, keep on rolling...

SO.ME.FI.

1971



1981



1992



2012

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ERGONOMIC GUIDE

Human body is a biological “construction” that must be respected. Our muscles and bones are not able to bear difficult and repetitive handling operations. Handling movements can cause considerable damages if there are made in none adapted way or during a long period, even if the load is light.

Do you invest lots of energy and money in the accident prevention?
Protect employees; it is also thinking about their health.

Accidents are maybe not the problem, but predictable injuries. The application of ergonomic investigations and assessment of your working environment will give you important results in order to reduce injury number.

When you see your employees lifting loads, bending, stretching or twisting their arms, legs and body repeatedly, you can expect problems such as injuries, absences and loss of efficiency. In most cases, the causes can be easily corrected by the use and application of simple, readily available lift and positioning equipment, designed to minimize motion, stress and movement.

You will decrease the number of injuries while increasing productivity and team performance.

You'll also improve the working conditions, the good spirit and the behavior of your employees and you will reduce costs of contribution linked to work accidents and to absenteeism.



Health at work

Work absences due to back pain, shoulders injuries or legs injuries cost billions to the company and firms every year.

Preventing these injuries generates huge savings in all areas of our company.

AFNOR standard X 35-109

april 1989

Restriction notions of unit mass:

- For an occasional carriage
(once max/minute)
 - Men between 18-45 : 30 kg
 - Women between 18-45 : 15 kg
- For a repetitive carriage
(once max/5 minutes during several hours)
 - Men between 18-45 : 25 kg
 - Women between 18-45 : 12,5 kg

Hardness prevention

Since the 1st January 2012, **companies with at least 50 salaries or members of a group of at least 50 salaries**, with at least half of the workforce exposed to professional risks should be covered by an agreement or a plan action relative to the hardness prevention.

The agreement or the action plan of the company has to deal with one of the two following points:

- **Adaptation and organization of the workstations ;**
- Reduction of hardship factors expositions.

Besides, it may contain dispositions on at least two of the following topics:

- **Improvement of working conditions, particularly on the organization plan ;**
- Development of skills and qualifications ;
- End career arrangement ;
- Maintaining employment for employees exposed to hardship factors.

Each theme must be accompanied by quantifiable objective, whose fulfillment has to be measured with indicators given, at least yearly, to the Health and Safety Executive members or, failing that, to the staff representative.
To improve working conditions, quantifiable objectives and indicators can, for example, deal with the number of employees beneficiating of adaptation of working hours or switch from night working hours to day working hours.

Wherever handling is done (offices, factories, hospitals, logistic platforms, markets, garages, workshops, stores...):

SOMEFI equipment can be in charge of handling activities and make easy the work staff.

SOMEFI equipment improves working conditions while increasing the team productiveness.

We'll help you to find the best equipment and the optimal ergonomics of your workstations.

TO CONTACT US

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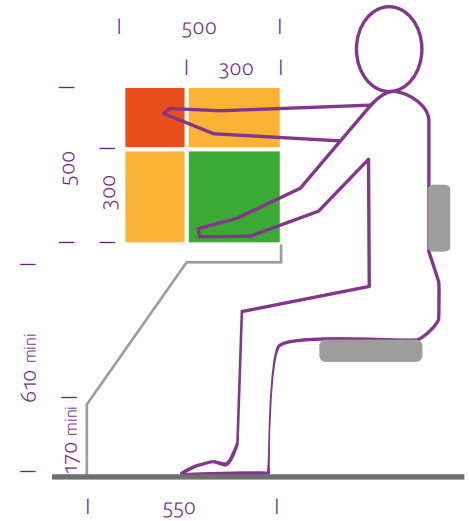
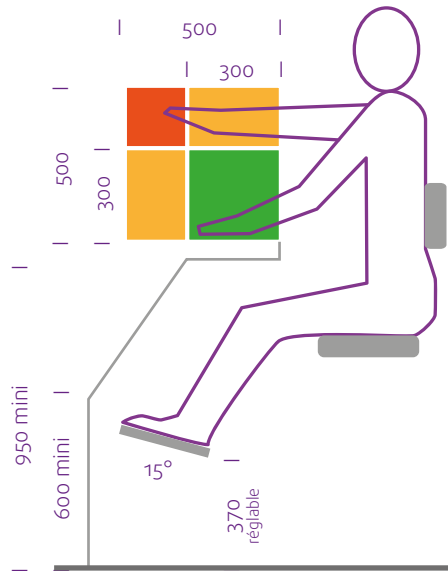
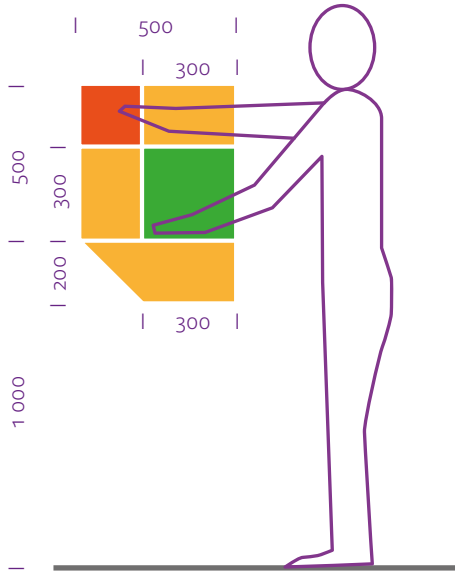
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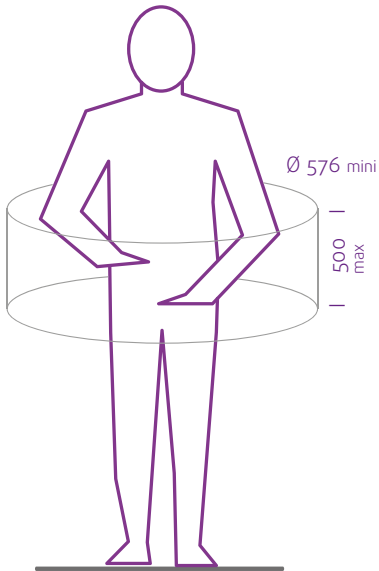
WORKSTATION GUIDE



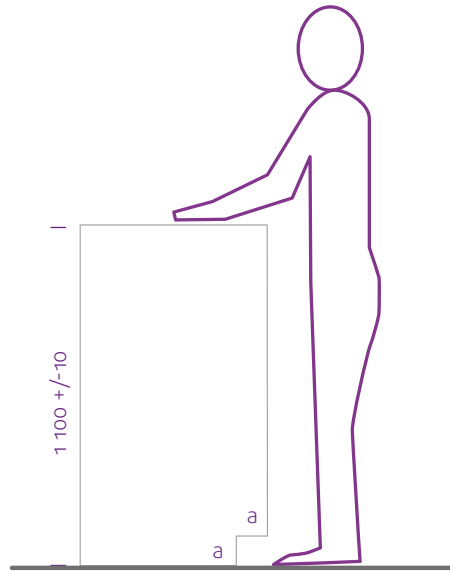
Dimensions and reach zone of the post

Favor most often work in the green area

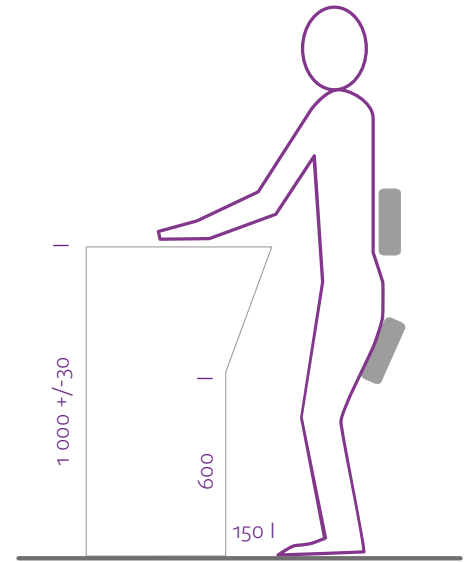
Movement's
extension area



Lower limbs position



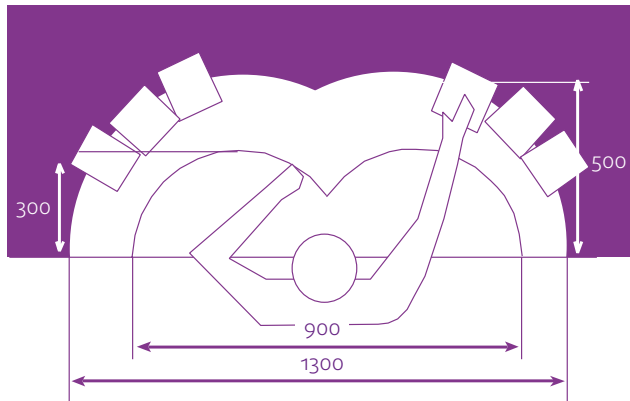
$a = \text{mini } 100$



Use of an adjustable seat

Ergonomic space

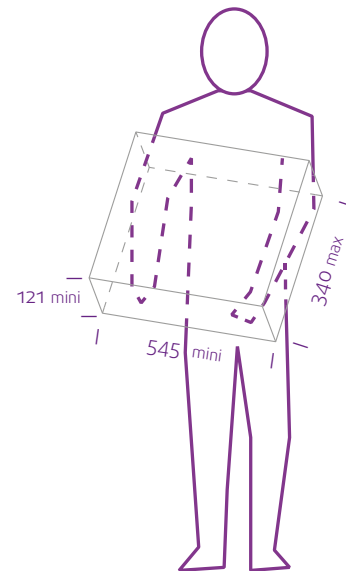
Optimum work surface



The frequent used items should be within arm's reach, in the usual work surface.

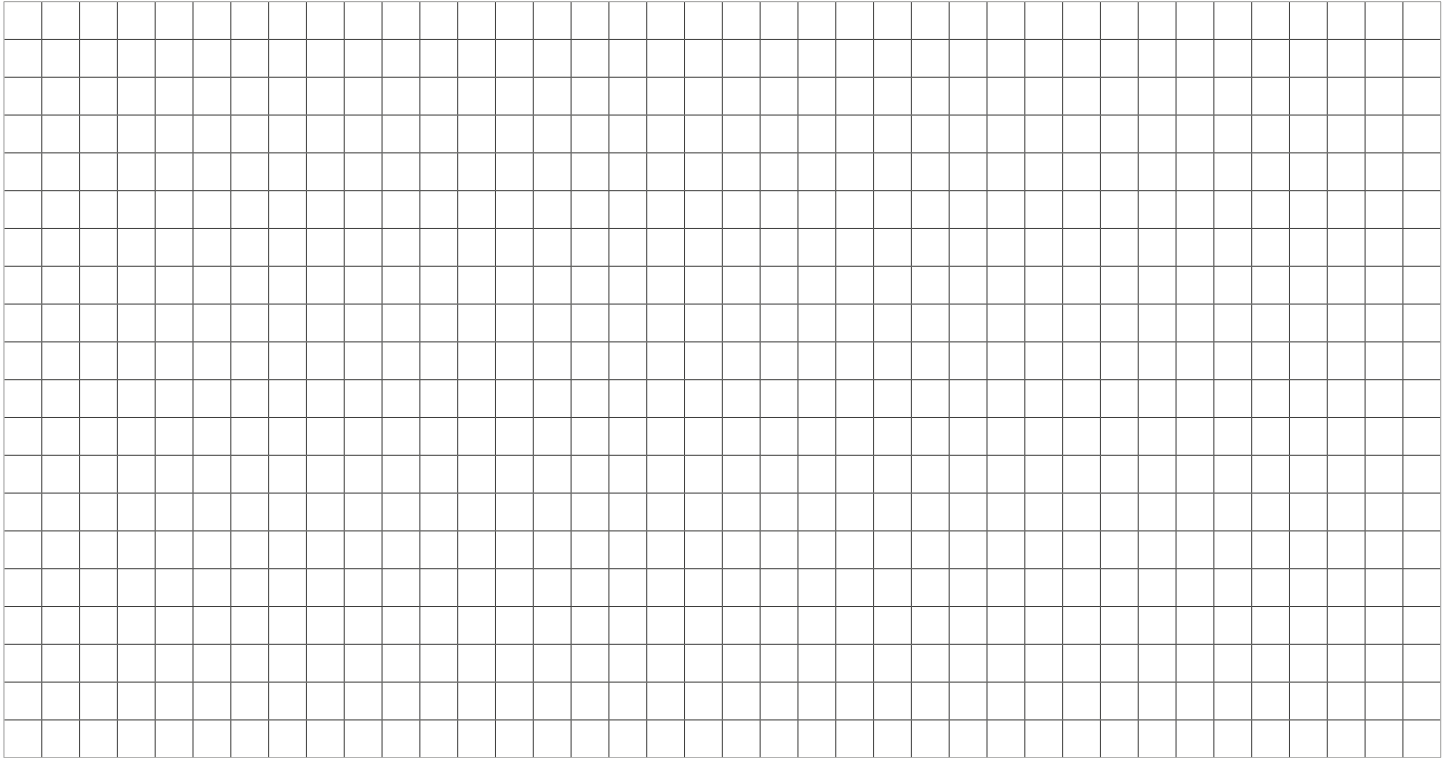
Ergonomics space for the two arms

(forward and backwards)





DETERMINE YOUR **WORKSTATION**

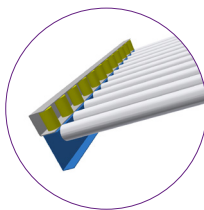




INCLINED STEEL OR PLASTIC ROLLER CONVEYOR FOR LOADS **UP TO 80 KG**

The TRS ERGO is an inclined roller conveyor, in steel or plastic, designed to transport every product with flat-bottom or rigid containers (cases...)

The conveyor is inclined in the transverse direction. It is fitted with a skate wheel guide to help the move of cases, trays, boxes...



DELIVERY TIME 15 DAYS

Technical characteristics

- Frame: medium duty steel frame of 2mm with steel spacers.
- Topcoat: electro-galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Rollers: Ø50 plastic (RLP model) or Ø50 zinc plated steel (RLA model), smooth spring axle Ø8, handling conveyors bearing.
- Interior skate wheel guide.

Standard sizes

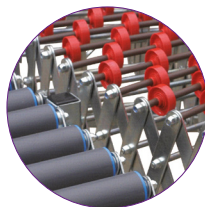
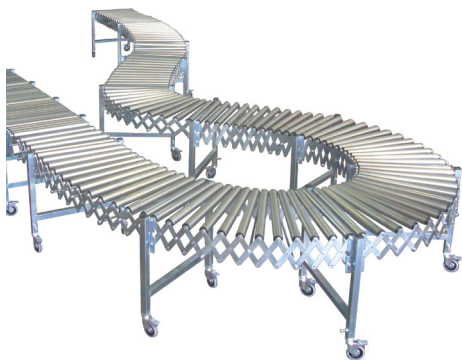
Pitch	62,5 - 75 - 100 - 150 - 200				
Width	200	300	400	500	600
Length	1 000 - 1500 - 2000 - 2500				

PLEASE, CONTACT US FOR ANY SPECIFIC REQUEST

TRS EXTENDABLE

The TRS extendable is a plastic or steel roller/skate wheels conveyor designed to transport and accumulate every product with a flat-bottom or rigid containers (cases, baskets, trays...) weighing up to 80 kg/m.

It is ideal to temporarily link two parts of your process, workstations or for loading and unloading trucks.



EXTENDABLE ROLLER OR SKATE WHEELS
CONVEYOR FOR LOADS **UP TO 80 KG**

DELIVERY TIME 20 DAYS

Technical characteristics

- Frame: medium duty steel frame of 2mm, extendable on legs with casters.
- Topcoat: electro-galvanized.
- Skate wheels: Ø48 plastic or steel, Smooth axle Ø8 and plastic spacers 12/9, Rollers: Ø50 plastic or steel.
- Support legs: height 700/1100 with pivoting and lockable casters.
- Motorization is optional.

Standard sizes

TRS	Plastic skate wheels Ø48	Steel skate wheels Ø48	Plastic rollers Ø50	Steel rollers Ø50
Pitch	125 MAXI (Extended conveyor)			
Width	300 to 800			
Minimum compacted length	700	1 500	1 000	2 400
Maximum extended length	2 300	5 300	2 300	5 300

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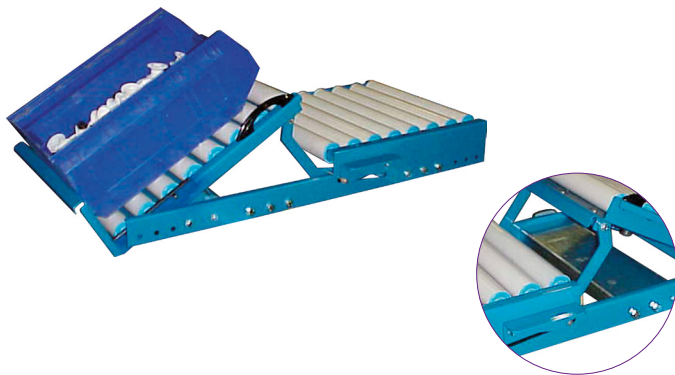
TRS TILTING TABLE

This is a plastic or steel free roller conveyor designed to transport and accumulate every product with a flat-bottom or rigid containers (cases...).

The conveyor is fitted with a tilting element mounted on an articulation plate.

The mobile element articulates in high position with two handles.

It is fitted with an interlocking system in the tilted position.



STEEL OR PLASTIC ROLLER CONVEYOR FOR LOADS UP TO 80 KG

DELIVERY TIME 15 DAYS

Technical characteristics

- Frame: medium duty steel frame of 2mm with steel spacers.
- Topcoat: electro-galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Rollers: Ø50 plastic (RLP model) or Ø50 zinc plated steel (RLA model), smooth spring axle Ø8, handling conveyors bearing.
- Automatic system is optional.
- Fixed stop.

Standard sizes

Pitch	62,5 - 75 - 100 - 150 - 200				
Width	200	300	400	500	600
Length	1 000 (Fixed zone 500 ; Mobile zone 500)				

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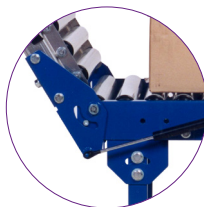


PLASTIC OR STEEL ROLLER COUNTERBALANCED GATEWAY FOR LOADS **UP TO 160 KG/M**

The gateway is a steel or plastic roller conveyor which allows the passage of personnel or machinery through an unbroken conveyor circuit. It is designed to transport every product with a flat-bottom or rigid containers (cases, baskets, trays...) weighing up to 160 kg/m.

This conveyor is fitted with handling conveyors bearing. This low noise, low wear conveyor is designed for ease of maintenance .

It is adaptable to all our range of free and motorized roller conveyors.



DELIVERY TIME 15 DAYS

Technical characteristics

- Fixed frame: medium duty steel frame of 2mm, height (H) 90mm, steel spacer.
- Mobile frame: medium duty aluminum alloy frame AG3.
- Topcoat: electro galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Rollers: Ø50 plastic (RLP model) or Ø50 zinc plated steel (RLA model), smooth axle Ø8, handling conveyors bearing.
- Lateral handle.
- Balancing with gas spring.

Standard sizes

Pitch	62,5 - 125			
Width	300	400	500	600
Length	1 500 (Fixed zone 500 ; Mobile zone 1 000)			

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BALL BEARING TABLE

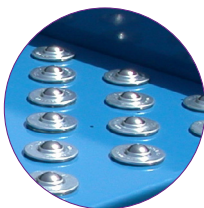
BALL BEARING HANDLING TABLE
FOR LOADS UP TO 60 KG

This is a handling table with steel bearings which allows the handling and collection of any flat-bottomed object (cases, baskets, trays) up to 60 kg/m².

This table allows multidirectional movements of objects.

It fits between two units, at machine outfeed or at the end of the line.

Adaptable to all free roller and motorized conveyors.



DELIVERY TIME 10 DAYS

Technical characteristics

- Frame: medium duty steel frame of 2mm, height (H) 90mm, steel spacer.
- Topcoat: electro galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Balls: Ø20 steel flange socket.

Standard sizes

Pitch	50 or 100		
Between frame width	400 x 400	500 x 500	600 x 600
Width	476 x 476	576 x 576	676 x 676

Your measures > 0,25 m²

Pitch	50 or 100	
Width	THE PITCH MULTIPLE + 76	MAXIMUM 876
Length	THE PITCH MULTIPLE + 76	MAXIMUM 2 276

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TURNTABLE

STEEL ROLLER TURNTABLE FOR
LOADS UP TO 160 KG/M

The steel or plastic roller conveyor is placed below a ball slewing ring and ensures the change of transport direction to 360°.

The equipment is integrated or independent in a handling circuit.

Adaptable to all free roller and motorized conveyors.



DELIVERY TIME 15 DAYS

Technical characteristics

- Frame: medium duty steel frame of 2mm.
- Topcoat: electro galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Rollers: Ø50 plastic (RLP model) or Ø50 zinc plated steel (RLA model), smooth axle Ø8, handling conveyors bearing.
- Indexing every 90°.

Standard sizes

Roller	300 - 400 - 500 - 600 - 700 - 800
Pitch	62,5 - 75 - 100 - 150 - 200
Diameter	It depends on the workstation

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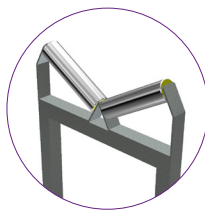


ROLLER STAND

STEEL ROLLER STAND
FOR LOADS **UP TO 40 KG**

The steel roller stand is fitted with one or two steel rollers Ø50 or Ø60mm.

It helps to the handling and positioning of frames,
steel tubes, wood planks, wood slats...
and on infeed cutting machine or saw...



DELIVERY TIME 15 DAYS

Technical characteristics

- Frame: square tube 40x40x2.
- Topcoat: electro galvanized or RAL 5017 blue epoxy paint (other RAL is optional).
- Rollers: Ø50 plastic (RLP model) or Ø50 zinc plated steel (RLA model), smooth axle Ø8, handling conveyors bearing.
- One or two rollers depending on the load.

Standard sizes

Height	600 - 700 - 800 - 900		
Width	200	300	400

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LIFT TABLE

For more ergonomics, lift tables are made to work at constant level.

They are made to transport charge and palletize goods without the need to bend down.

For a better output they can receive free motorized roller conveyors, ball bearing tables or any other handling device.



It is available in steel or stainless steel, simple or multi scissors, motorized or not to be adapted to your industry.



FIXED OR MOBILE LIFT TABLE
FOR LOADS **UP TO 1250 KG**

DELIVERY TIME 15 DAYS

Technical characteristics

- Manual or electrical model, two or three scissors.
- 4 polyurethane casters Ø150, whose 2 pivoting casters and one brake.
- Electrical models delivered with batteries + 12v charger.
- Handling handles H920 or 1010m.
- Topcoat: RAL 5017 blue epoxy paint (other RAL is optional).

Standard sizes

Version	Capacity	Height	Table	Weight
Manual	450	295 - 1 550	610 x 1 030	143
Electrical	450	295 - 1 550	610 x 1 030	190

Options

- Top platform in stainless steel, with rollers.
- Hopper lift table...

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WORKSTATION

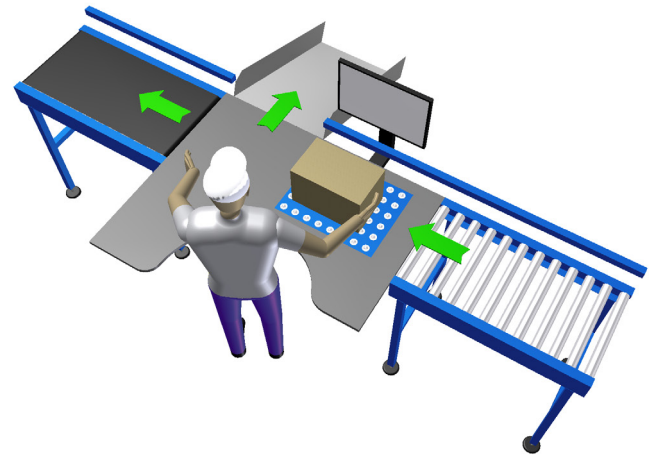
The whole of our conveyors allows creating a safe environment, adapted to your requirements.

For having an ideal workstation, it is essential to take into account, your products, your premises, your partners, the constraints of standards and your development perspectives...

We are at your disposal to suggest you secured workstations, adapted and with advancement opportunities.

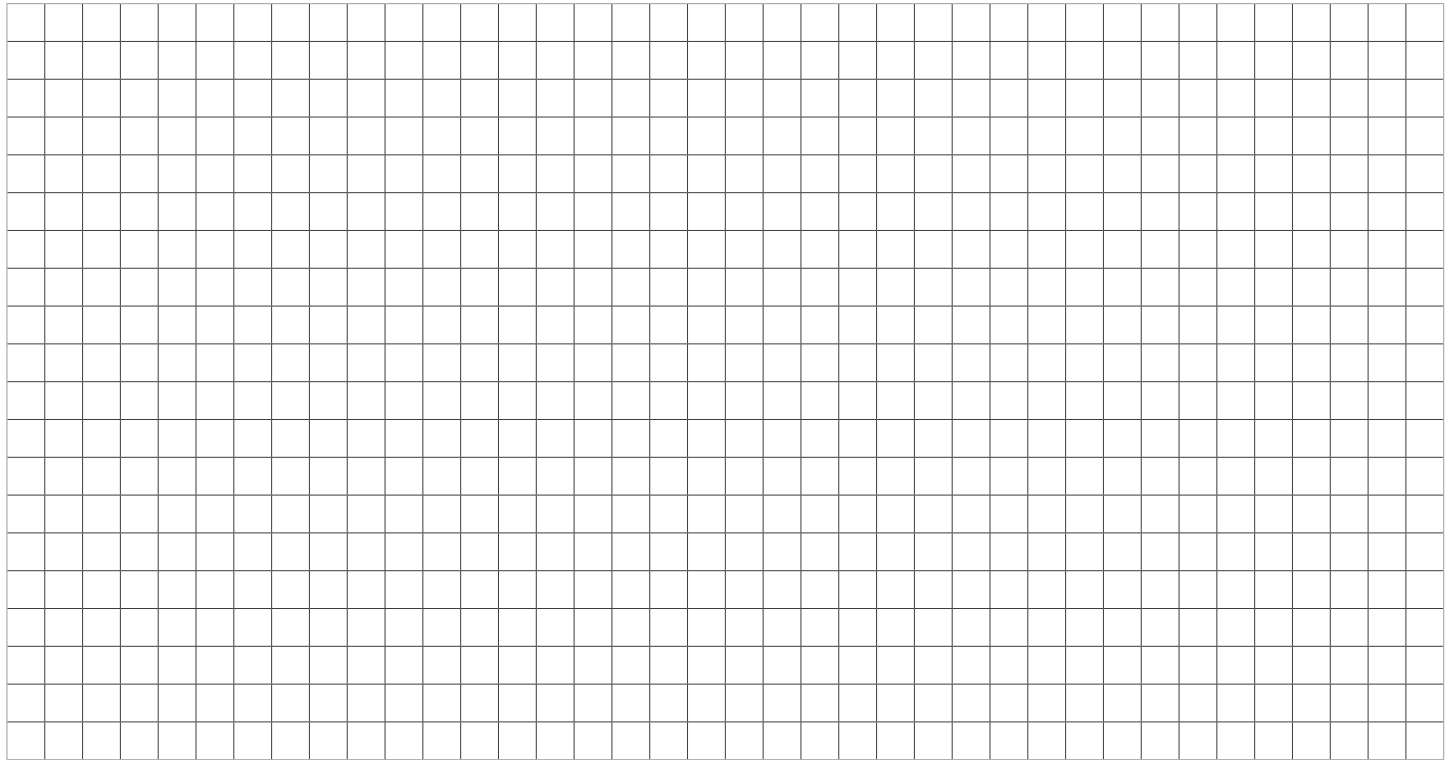
We will help you to identify and handle risks in terms of health and safety.

MADE TO MESURE





NOTES



CONVEYORS & HANDLING SYSTEM



a complete range for handling



belts



rollers



the pallet range



ergonomics



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