



roma

The logo features the word "roma" in a bold, lowercase, sans-serif font. The letter "r" is stylized with a series of curved lines that sweep upwards and to the right, creating a sense of motion. The entire logo is rendered in a vibrant purple color.

we move everything



# roma

**we move everything**

This young company is built on the experience of a team of entrepreneurs who have been working in the handling industry for over 15 years. They are committed to developing concepts for the most diverse segments of industry, spanning from PET and pharmaceuticals, through food, to mechanical components, with-out any limit in terms of product and design.

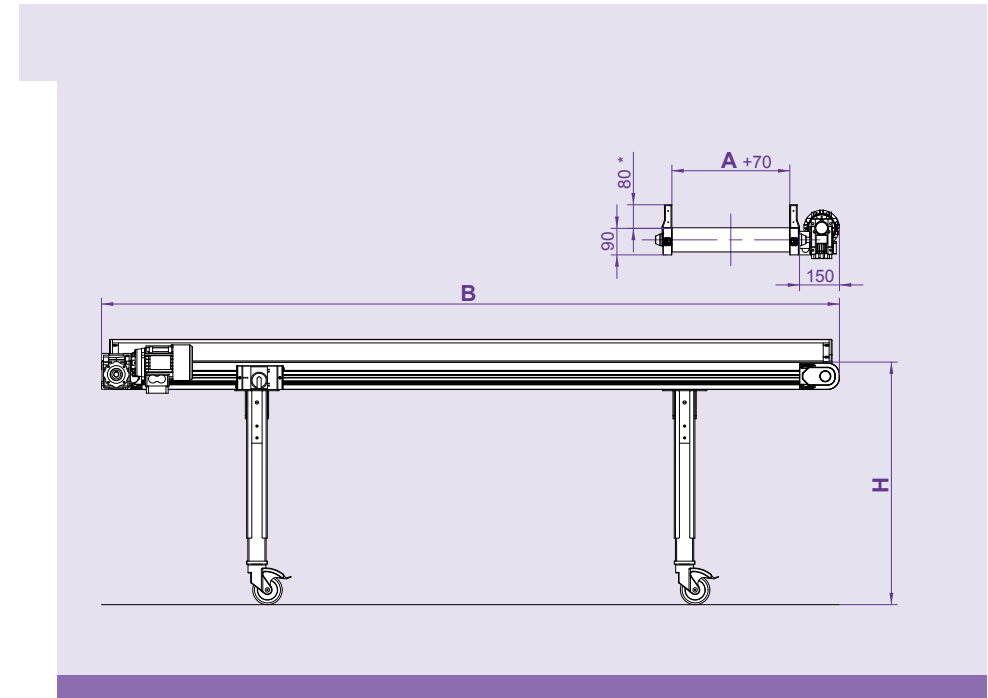
Roma stands out for its pro-active approach to business which aims at meeting customer requirements while ensuring reliability and expertise. Every solution is the result of the synergy created between customers and our design and development teams, with an eye always set on innovation. Our staff is constantly updated and trained to offer utmost professionalism throughout the entire production process.

Ideas, projects and products... **We move everything!**

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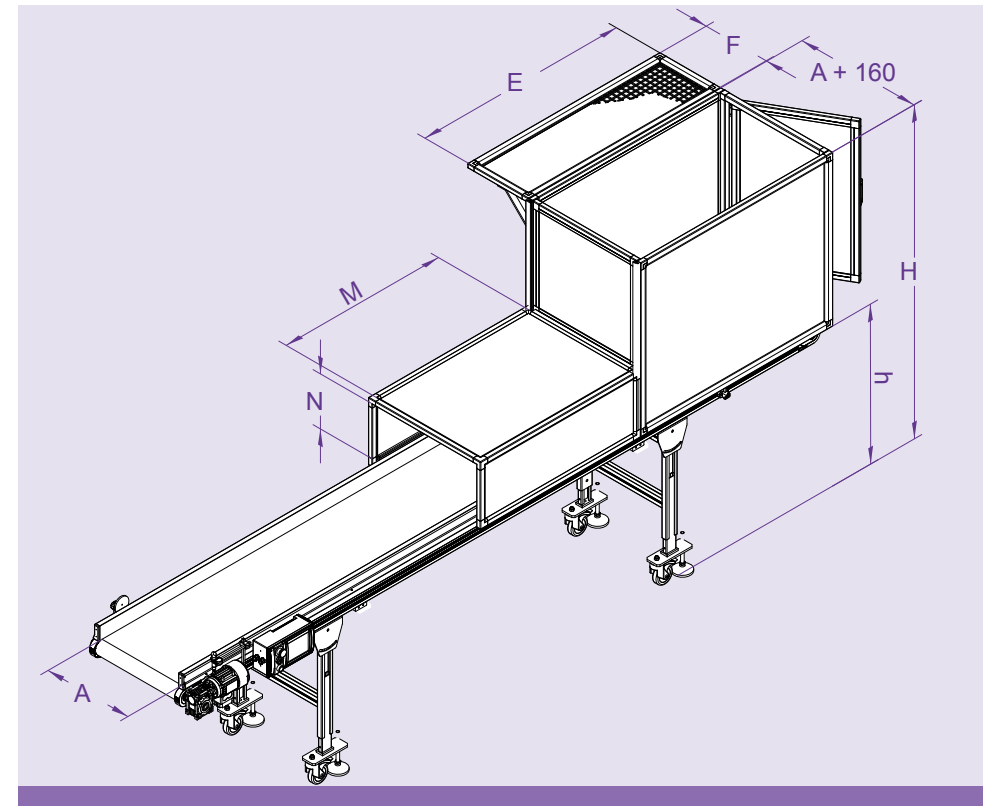
## CHARACTERISTICS

- Standard flat conveyor
- Suitable for conveying lines, assembly lines and to work under IMM or with robot

## TECHNICAL SPECIFICATIONS

- Structure made of aluminium anodised profile height 80 mm
- With side panel height 80 mm
- Without possibility to work inclined
- Smooth belt, without slats
- Pu belt, vulcanised belt joint, temperature resistance from -10°C to + 90°C
- Transmission group composed of: three-phase motor, worm reduction unit with lubrication for life
- Fixed standard speed 3 m/min
- Standard motor supply voltage 400V/50 Hz
- Equipped with Start/Stop motor cut-out

King DIMENSION		
DIMENSION	min (mm)	max (mm)
A	100	1200
B	600	6000
H	200	2000



Switches, door lock



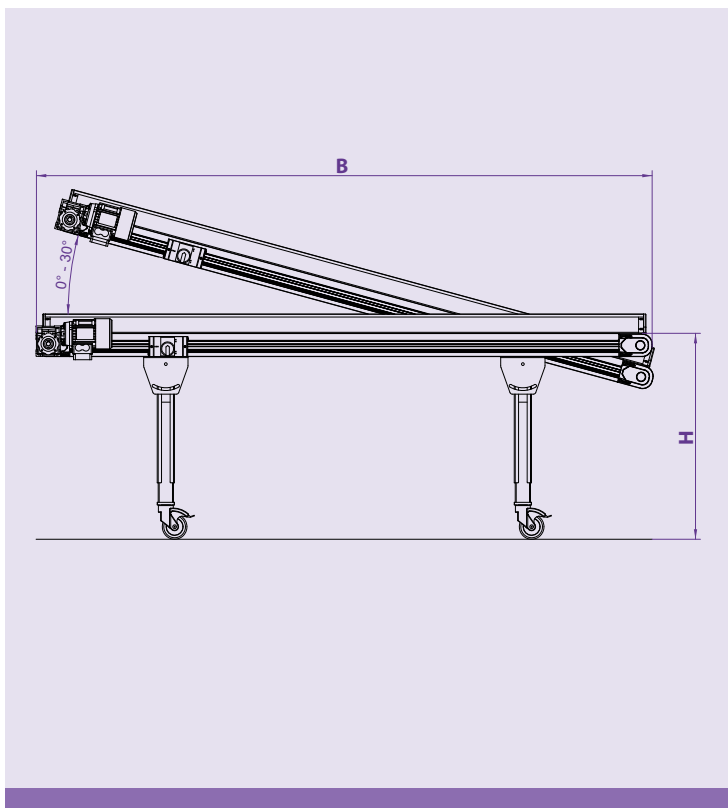
Roof protection from robot

## CHARACTERISTICS

- Structure Polycarbonate/ galvanized net Robot protection mounted on the conveyor
- Robot Protection made with stout frame in aluminium complete with Polycarbonate /metallic net/transparent Metalcrylate cover
- Rear door opening

## TECHNICAL SPECIFICATIONS

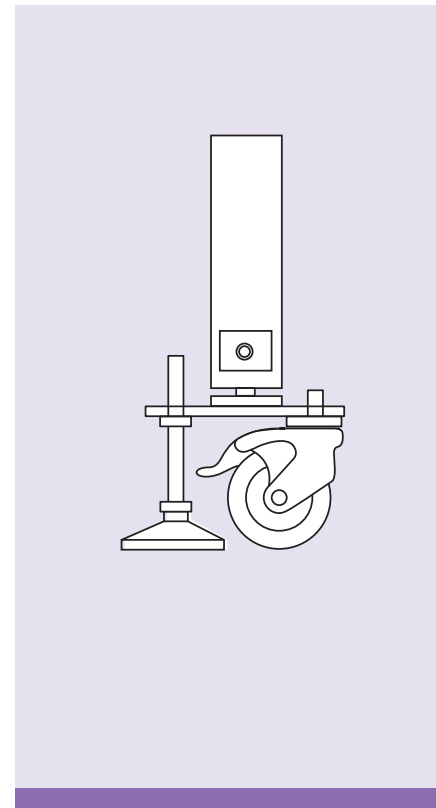
- Protections for Robot can be polycarbonate or metal mesh.
- The protections are built according to specific customer requirements
- The rear door opening is used to take the sample of product to be checked.
- The same is protected by a special micro authorizing the descent of the robot only if perfectly closed
- Always you demand it is possible to fit a roof to protect the worker



## adjustable inclination leg

### CHARACTERISTICS

- adjustable inclination leg from 0° to 30°
- possibilities of regulating height +/- 200mm



## foot and wheels

### CHARACTERISTICS

- Stabilizer foot to cushion the vibrations.
- Particularly indicated in presence of Robot



with drive unit side



STANDARD DRIVE ROLLER diam. 76		
RATIO GEARBOX	MOTOR POWER KW	SPEED MT/M
1:100	0,12	3,5
1:60	0,12	5,9
1:40	0,18	8,8
1:30	0,18	11,7
1:25	0,18	14,1
1:20	0,18	17,6
1:15	0,18	23,5
1:100	0,37	35,2
1:75	0,37	46,9

with drive unit under conveyor



DRIVE UNDER CONVEYOR ROLLER diam. 76		
RATIO GEARBOX	MOTOR POWER KW	SPEED MT/M
1:100	0,12	3,5
1:60	0,12	5,9
1:40	0,18	8,8
1:30	0,18	11,7
1:25	0,18	14,1
1:20	0,18	17,6
1:15	0,18	23,5
1:100	0,37	35,2
1:75	0,37	46,9

with drum motor

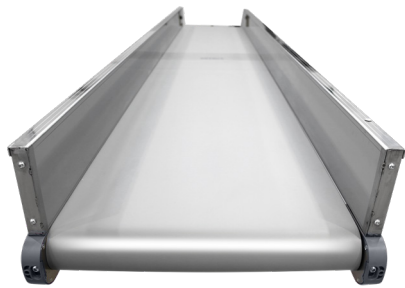


DRUM MOTOR ROLLER diam. 80	
RATIO GEARBOX	
Ø 113mm Kw 0,18 vel 0,27 mt/sec V=3x230/400V/50Hz	
Ø 113mm Kw 0,18 vel 0,27 mt/sec V=3x400V/50Hz	
Ø 113mm Kw 0,11 vel 0,17 mt/sec V=3x230/400V/50Hz	
Ø 113mm Kw 0,11 vel 0,17 mt/sec V=3x400V/50Hz	
Ø 113mm Kw 0,04 vel 0,07 mt/sec V=3x400V/50Hz	

## Overedge 150

### CHARACTERISTICS

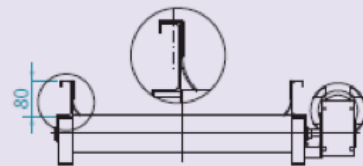
- Overedges made of stainless steel  
h 150 mm
- For conveying products in large size and/or quantities



## Overedge 80 SS

### CHARACTERISTICS

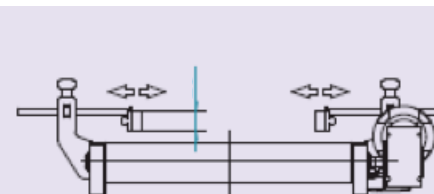
- Overedges made of AISI 304 stainless steel  
h.80mm complete with shim strip
- Solution to be proposed when the food/pharmaceutical product must not come in contact with no-FDA surfaces.  
The shim strips ensure side sealing between the sides and the belt



## Overedge 40 W

### CHARACTERISTICS

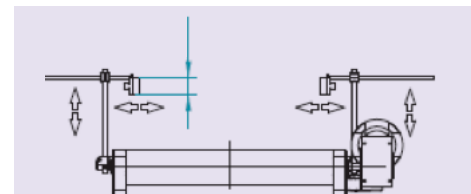
- Polyzene overedges adjustable for width
- For conveying products in large size and/or quantities

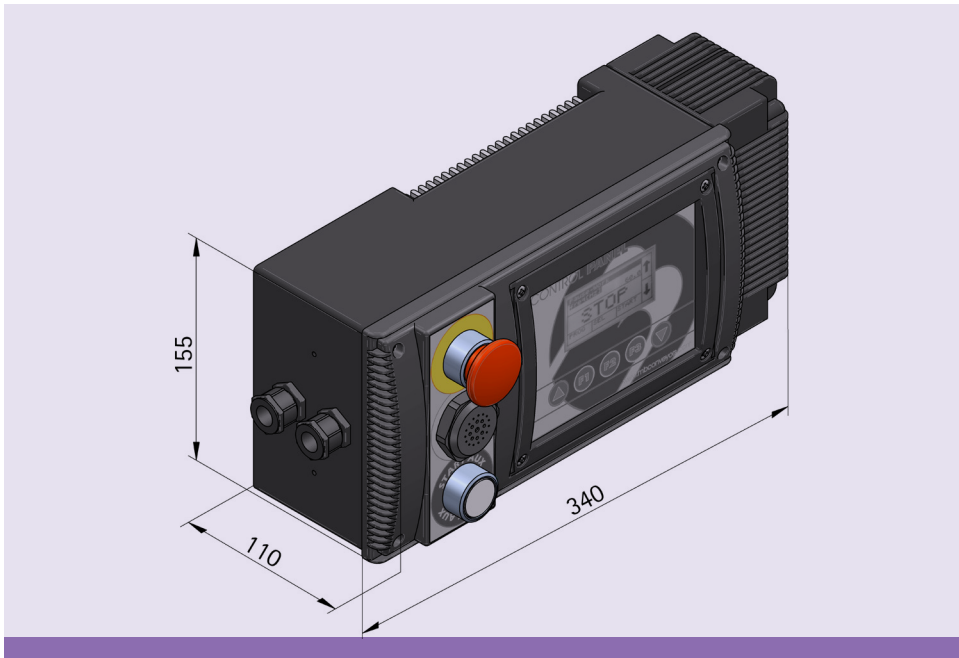


## Overedge 40 WH

### CHARACTERISTICS

- Polyzene overedges adjustable for width and height
- For conveying products in large size and/or quantities





## CHARACTERISTICS

- The Genius Control Panel offers multiple and specifically programmable functions (see data sheet)

## TECHNICAL SPECIFICATION

- Maximum power: 0.75 kW
- Control panel complete with three-phase inverter allows speed control
- Rating: IP 65



genius CONTROL PANEL	
<b>program</b>	
MANUAL	For manual operation
PAUSE-WORK	Sets work and pause timing in hours, minutes and seconds.
PULSE	For pulse operation
FEEDER	Starts up the conveyor for a time equal to the duration of the signal coming from the robot. At the end of the feed signal, the control panel stops the conveyor and waits for the next signal.
CONTINUOUS	Like the MANUAL programme, but it allows managing a dry contact generally received from a metal detector antenna that stops the motor until automatic or manual reset.
<b>other function</b>	
GF1/A MAIN FUNCTION	MACHINE STATUS: the relay is triggered when the START command is sent to the control panel; idle status is triggered by an alarm or in the case of a STOP command.
GF1/B SECONDARY FUNCTION	(For PULSE and FEEDER only) the relay is triggered by the tripping of photo cell FC1; idle status is triggered when the photocell is released. (For CONTINUOUS only) the relay is triggered automatically or manually (depending on the userACK setting) to send a reset to the active metal detector; it automatically returns to idle status when the metal detector signal is emitted.
GF2/A MAIN FUNCTION	ALARM: the relay is triggered when a stop alarm is activated; idle status is resumed when the alarm is reset.
GF2/B SECONDARY FUNCTION	The relay is triggered by the tripping of photocell FC2; idle status is resumed when the photocell is released.
GF3/A MAIN FUNCTION	MOTOR ROTATION: the relay is triggered when the belt starts moving; idle status is resumed when the belt stops
GF2/B SECONDARY FUNCTION	The relay is triggered by the tripping of photocell FC3; idle status is triggered when the photocell is released. The relay on the logic board can replicate the function set on one of three relays present on the expansion (including without expansion). In this case, the corresponding expansion relay (if any) will continue to perform the set function



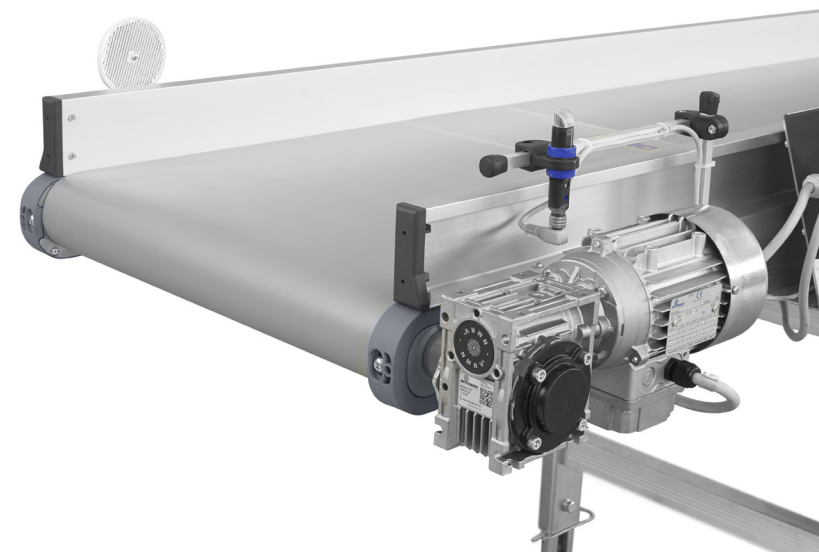
## HOW TO USE PHOTOCELLS

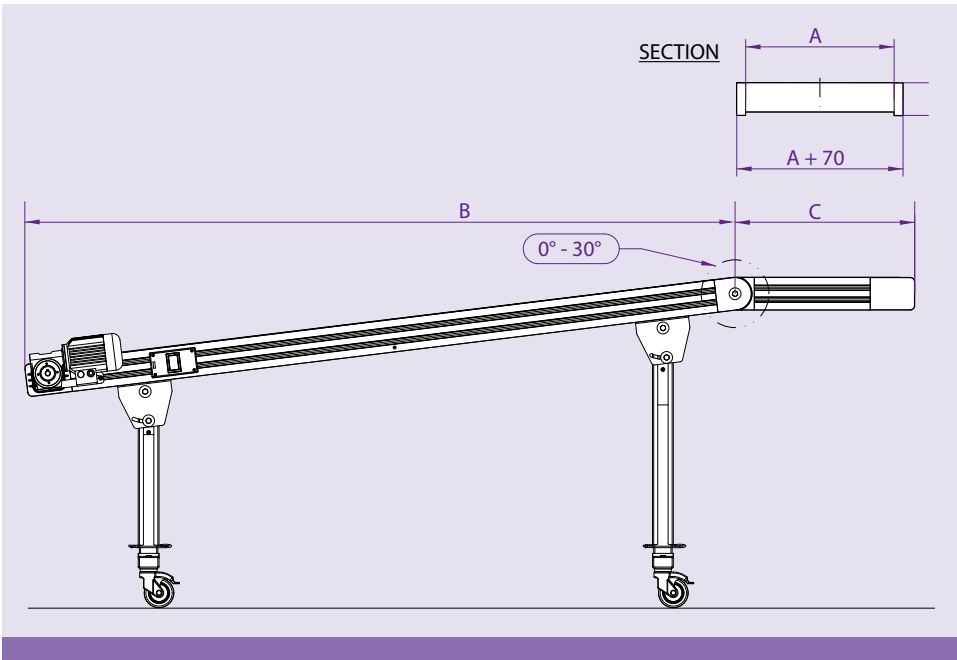
- Ft standard: when positioned inside the containment edge it is considered our standard solution
- Ft laser: this photocell replaces the standard model when the product to move is less than 20 mm high.  
NB: this photocell detects products with a minimum height of 0,9 mm at 1 mt depth, and products with a minimum height of 2 mm at 3 mt depth.
- Ft for transparency: before deciding what model to use, tests should be run in-house with product samples.
- Reflective sticker: it is not recommended by the manufacturer. Anyhow, a 50x50mm reflective sticker reduces the depth of field of about 60%
- Distance of photocell from control panel:
  1. From 0 to 5 mt. the wire is provided already connected to the photocell.
  2. From 5 to 15 mt. a 3x1mm wire needs to be prepared for connection (the photocell will have a non-wired connector).



MODEL	
MODEL	
FT STANDARD	Depth of field: from 0,1 to 3 mt. Min. height of the product = 20mm
FT LASER	Depth of field: from 0,1 to 3 mt. Min. height of the product: - from 0,9mm to 1mt - from 2mm to 3mt
FT FOR TRANSPARENCY	Depth of field: from 0 to 2 mt. Detects: glass, Polycarbonate, nylon, PET bottles
Mod. BOS 21M-PA-PT10-S4	Depth of field: from 0 to 2 mt. Beam: Ø 10mm at 1 mt depth

CONFIGURATION			
PHOTOCELL INSIDE THE CONTAINMENT EDGES	FIXED PHOTOCELL AT CONVEYOR'S END	PHOTOCELL WITH ADJUSTABLE HEIGHT	EXTERNAL PHOTOCELL WITH ADJUSTABLE HEIGHT





## CHARACTERISTICS

- Flat conveyor with adjustable angle of inclination (0°-30°)
- Suitable to work with robots when slight inclination is required

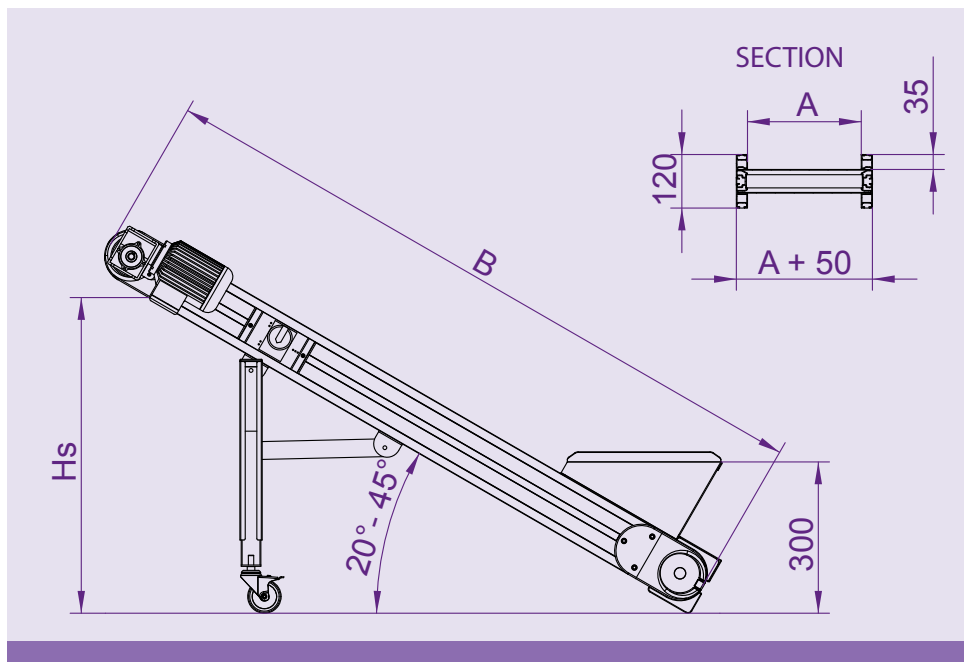
## TECHNICAL SPECIFICATION

- Structure made of aluminium anodised profile
- Without side panel
- PVC high grip belt, vulcanised belt joint, temperature resistance from -10°C to + 60°C
- Transmission group composed of: three-phase motor, worm reduction unit with lubrication for life
- Fixed standard speed 3 m/min
- Standard motor supply voltage 400V/50 Hz
- Equipped with Start/Stop motor cut-out

## QUEEN dimension

DIMENSION	min (mm)	max (mm)
A	100	1200
B	600	5000
C	600	1000





## CHARACTERISTICS

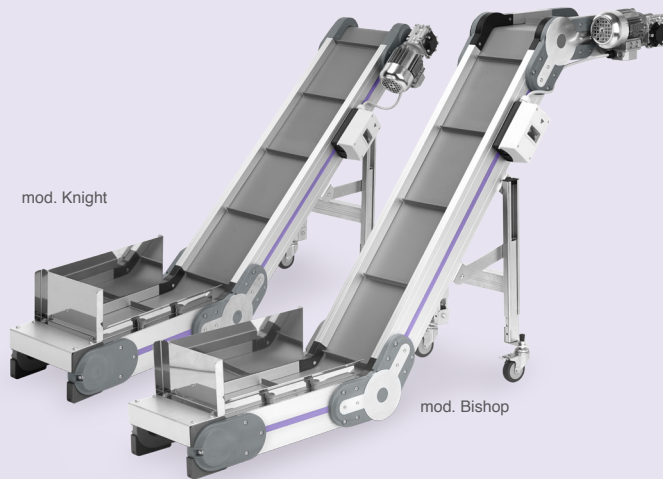
- Standard adjustable inclined conveyor
- Suitable for collection of products and conveying at adjustable height, thanks to central support

## TECHNICAL SPECIFICATION

- Structure made of aluminium anodised profile
- With side panel not removable
- Smooth PU belt, slats h=30mm pitch 400mm vulcanised belt joint, temperature resistance from -10°C to + 90°C
- Transmission group composed of: three-phase motor, worm reduction unit with lubrication for life
- Fixed standard speed 3 m/min
- Standard motor supply voltage 400V/50 Hz
- Equipped with Start/Stop motor cut-out

## ROOK dimension

MODEL	A mm	B mm	$\alpha$	Hs mm
ROOK 3/15	340	1500	45°	850
ROOK 3/20	340	2000	40°	1000
ROOK 3/25	340	2500	35°	1000
ROOK 4/15	440	1500	45°	850
ROOK 4/20	440	2000	40°	1000
ROOK 4/25	440	2500	35°	1000
ROOK 5/20	540	2000	40°	1000
ROOK 5/25	540	2500	35°	1000
ROOK 5/30	540	3000	30°	1100

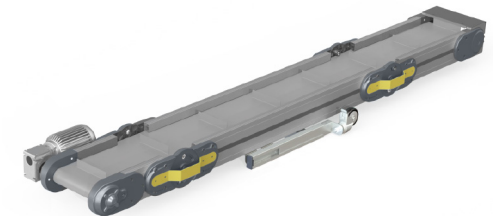
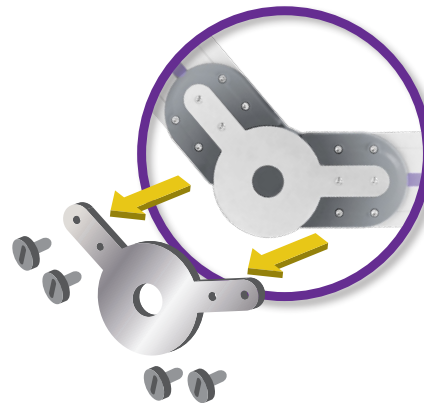


The Quick Line series was conceived to respond to two main issues raised by the market:

- Necessity of compact, easy-fitting conveyors, suitable for different uses and especially where limited space is a crucial element (e.g. under IMM)
- Reduction of transport costs, which sometimes can considerably impact on the final price

**THE NEW QUICK LINE SERIES INCLUDES COMPACT CONVEYORS WHICH CAN BE INSTALLED IN LIMITED SPACES, WITH A SPECIAL PACKING SOLUTION TO ALLOW FLEXIBLE USE AND A CONSIDERABLE REDUCTION IN TRANSPORT COST.**

## REMOVABLE HOUSINGS



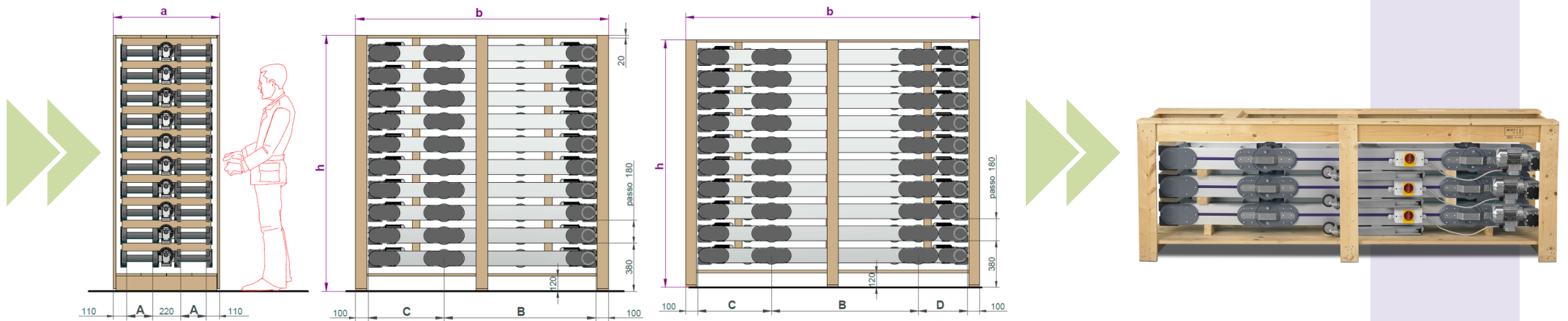
The special removable housings allow to flatten the conveyors with change of direction.

Considerable reduction of volume, leading to significant cuts in packing and transport cost.

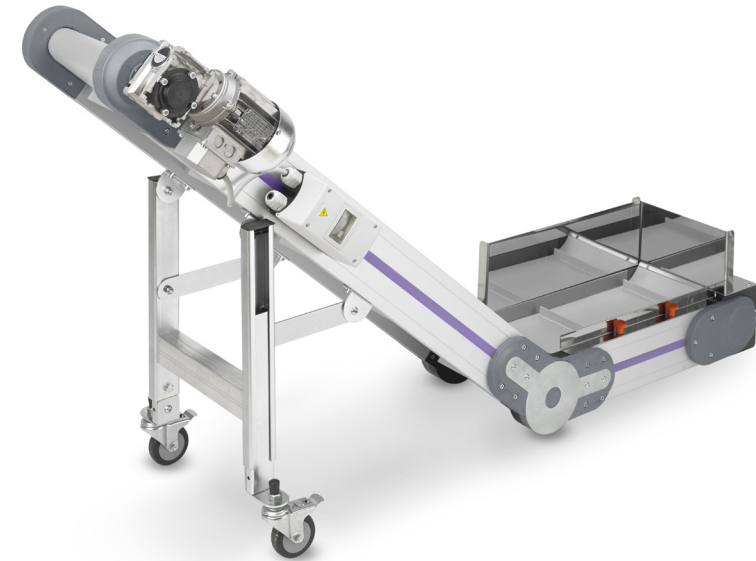
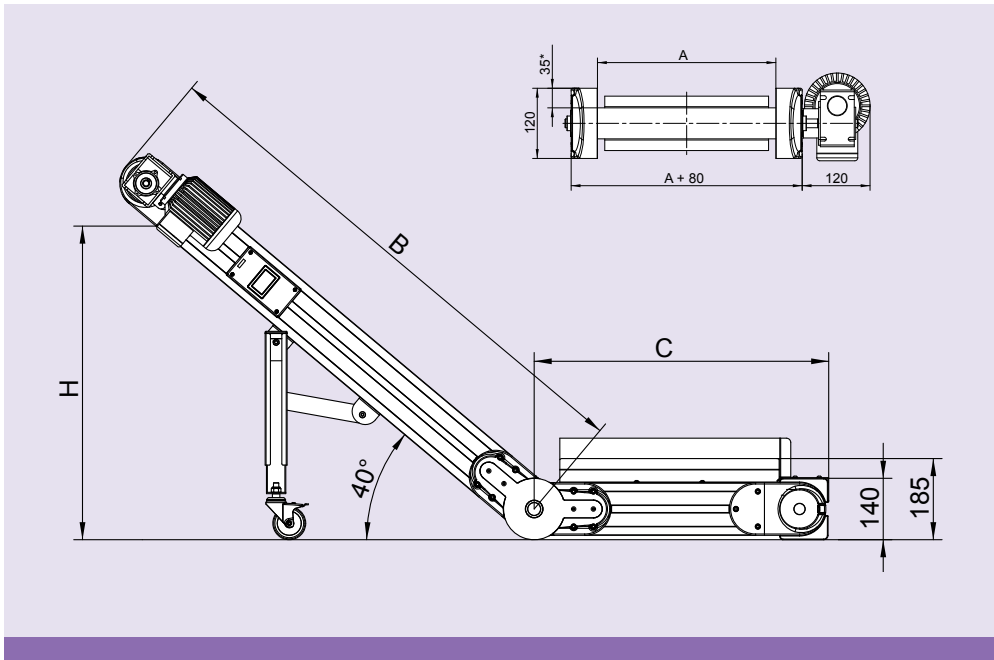
## CONSIDERABLE TRANSPORT COST REDUCTION

## PACKAGING OPTIONS

	NUMBER OF CONVEYOR	A	B	H
KNIGHT	up to 7 (single row)	$A + 345$	$C + B + 200$	n° of conveyors (max 7) x 180 + 400
	from 8 to 20 (double row)	$2 \times A + 440$	$C + B + 200$	n° of conveyors (max 10) x 180 + 400
BISHOP	up to 7 (single row)	$A + 345$	$C + B + D + 200$	n° of conveyors (max 7) x 180 + 400
	from 8 to 20 (double row)	$2 \times A + 440$	$C + B + D + 200$	n° of conveyors (max 10) x 180 + 400



WE CAN SHIP UP TO  
7 CONVEYORS OVERLAPPED  
ON A SINGLE ROW!



## CHARACTERISTICS

- Necessity of compact, easy-fitting conveyors, suitable for different uses and especially where limited space is a crucial element (e.g. under IMM)
- Fixed angle can be changed by simply replacing the «housing kit»

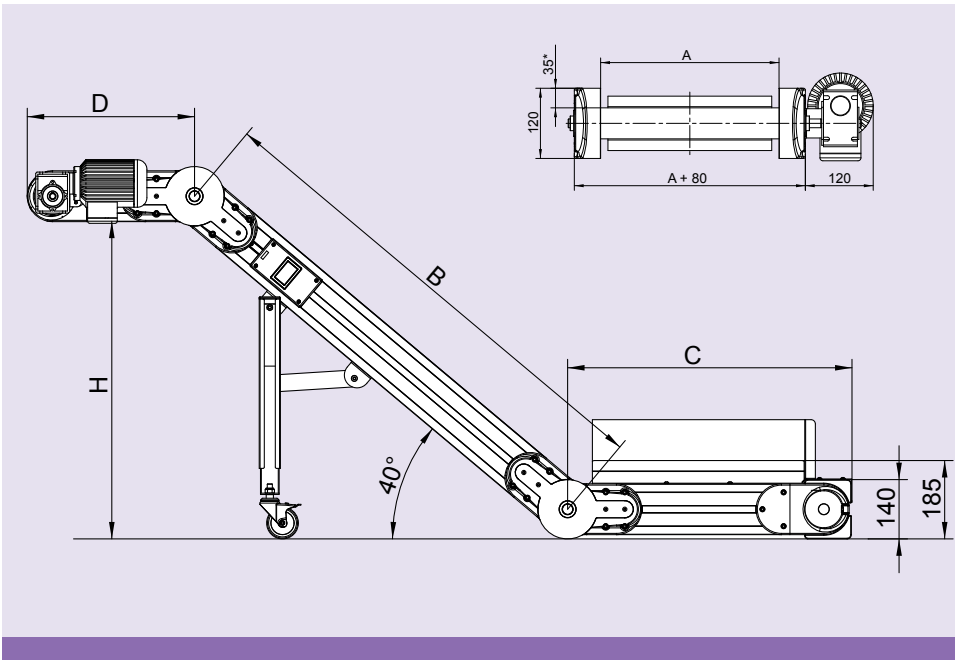
## TECHNICAL SPECIFICATION

- Structure made of aluminium anodised profile
- With side panel not removable
- Smooth PU belt, slats h=30mm pitch 400mm vulcanised belt joint, temperature resistance from -10°C to + 90°C
- Transmission group composed of: three-phase motor, worm reduction unit with lubrication for life
- Fixed standard speed 3 m/min
- Standard motor supply voltage 400V/50 Hz
- Equipped with Start/Stop motor cut-out

KNIGHT dimension			
DIMENSION	A	B	H (40°)
KNIGHT.0	155	1500	850
KNIGHT.1	255	1500	850
KNIGHT.2	355	1800	1000
KNIGHT.3	455	2000	1200

KNIGHT dimension range		
A	B	C
155-255-355-455	400-2000	400-1800

KNIGHT housings
Set housings to change angulation left+right



### CHARACTERISTICS

- Necessity of compact, easy-fitting conveyors, suitable for different uses and especially where limited space is a crucial element (e.g. under IMM)
- Fixed angle can be changed by simply replacing the «housings kit»

### TECHNICAL SPECIFICATION

- Structure made of aluminium anodised profile
- With side panel not removable
- Smooth PU belt, slats h=30mm pitch 400mm vulcanised belt joint, temperature resistance from -10°C to +90°C
- Transmission group composed of: three-phase motor, worm reduction unit with lubrication for life
- Fixed standard speed 3 m/min
- Standard motor supply voltage 400V/50 Hz
- Equipped with Start/Stop motor cut-out

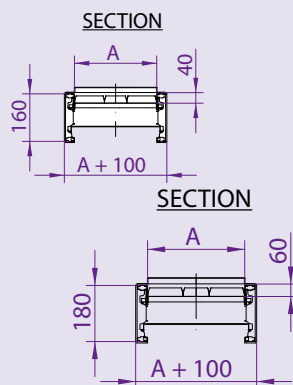
BISHOP dimension			
DIMENSION	A	B	H (40°)
BISHOP.0	155	1500	900
BISHOP.1	255	1500	900
BISHOP.2	355	1800	1100
BISHOP.3	455	2000	1300

BISHOP dimension range			
A	B	C	D
155-255-355-455	400-2000	400-1800	400-1500

BISHOP housings
Set housings to change angulation left+right

## on flat conveyor



### When to choose a plastic belt conveyor?

- When there is slight presence of electrostatic charges
- When small quantities of lubricants occasionally get in contact with the belt
- When the products to transport are sharp
- When products to transport are very small
- When products to transport are very hot
- In FDA environments, when it is necessary to periodically disassemble the conveyor and wash the belt, and/or to replace only some parts of the belt
- For cooling applications, when circulation of the air is a requirement



### The advantages of plastic belt conveyors:

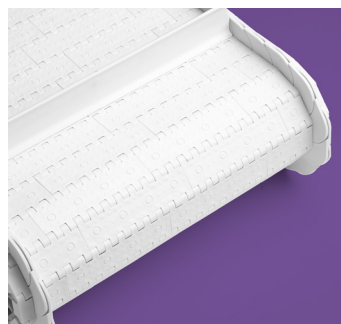
- Better performance presence of electrostatic charges, thanks to a higher conductivity
- Better resistance to cut and oil
- Higher temperature resistance (up to 130°C)
- Special double containment edges, which do not open even during the rotation of the slat belt on the drive sprockets, preventing the smaller pieces to get stuck in the borders
- Easy-fix damages: it is possible to replace only the damaged part of the belt, without replacing it entirely
- Compliant with FDA laws
- Also available in perforated version, designed for cooling systems, to allow the passage of the air so that during its transport the product is cooled down.

### CHARACTERISTICS

- Suitable for very hot or very small products
- Recommended in slight presence of lubricants or electrostatic charges

### TECHNICAL SPECIFICATIONS

- PA plastic belt with containment edges
- Temperature from +1°C to +180°C
- 0,18 kW asynchronous motor
- Fixed speed 4 m/min.

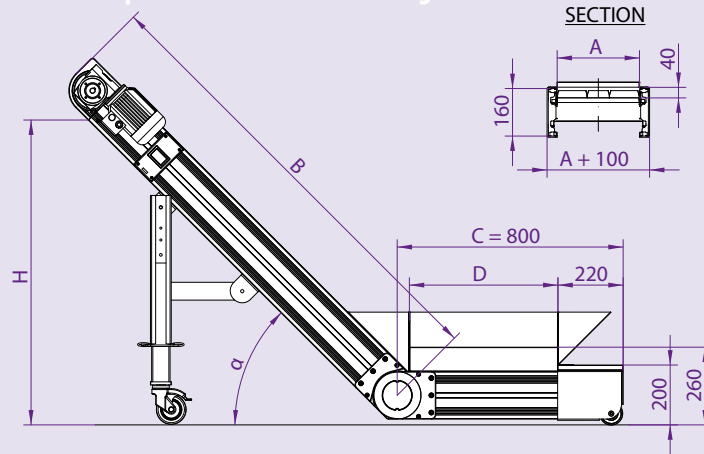


PLASTIC BELT dimension						
DIMENSION	A min (mm)	A max (mm)	B min (mm)	B max (mm)	H min (mm)	H max (mm)
FLAT.PB	175	775	1000	5000	300	2000

Δ oppure ▽

PLASTIC BELT dimension		
FLAT.PB	min (mm)	max (mm)
A	175	775
B	1000	5000
H	300	2000

## on L-shaped conveyor

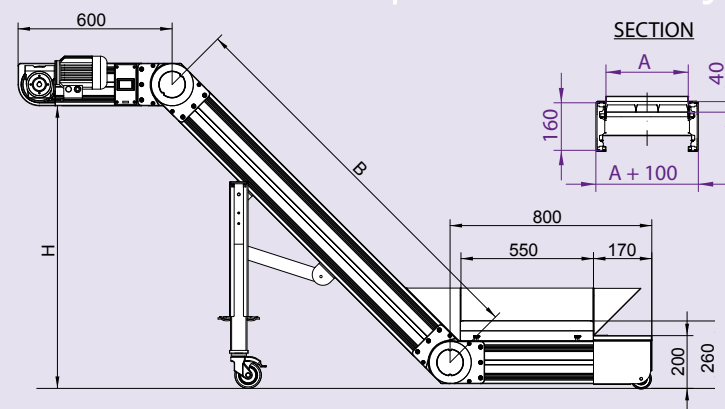


### CHARACTERISTICS

- Suitable for very hot or very small products.  
Perforated version for cooling applications.
- Recommended in slight presence of lubricants or electrostatic charges
- Optional: unloading chute, loading hopper

L - PLASTIC BELT dimension					
DIMENSION	A	B	H min (mm)	H max (mm)	POSSIBLE $\alpha$ (mm)
L.PB1	275	1500	700	1250	30°/40°/50°/60°
L.PB2	375	1800	850	1500	30°/40°/50°/60°
L.PB3	475	2000	950	1700	30°/40°/50°/60°
L.PB4	575	2000	950	1700	30°/40°/50°/60°

## on Z-shaped conveyor



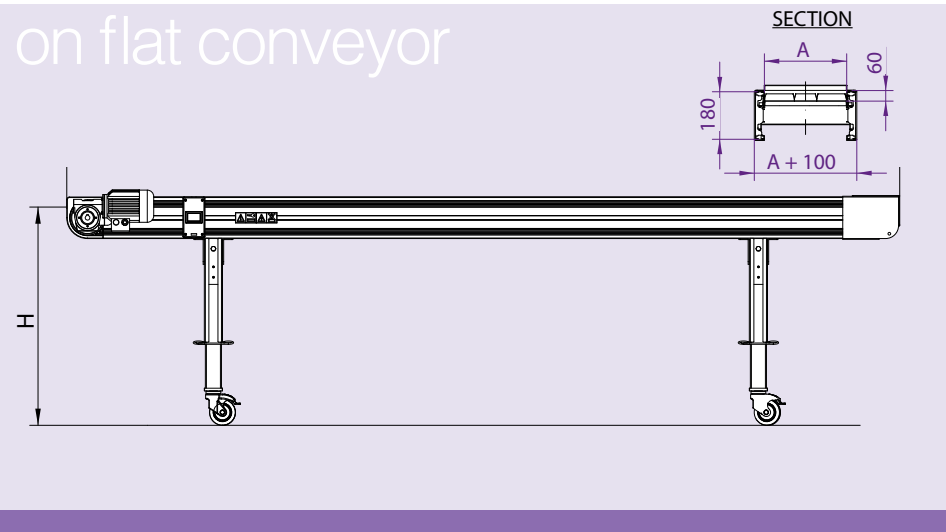
### TECHNICAL SPECIFICATIONS

- Plastic belt with containment edges and slats h=35, pitch 400 mm (minimum pitch 25 mm)
- Temperature from +1°C to +120°C
- 0,18 kW asynchronous motor
- Fixed speed 4 m/min.
- Optional: unloading chute, loading hopper

Z - PLASTIC BELT dimension					
DIMENSION	A	B	H min (mm)	H max (mm)	POSSIBLE $\alpha$ (mm)
Z.PB1	275	1500	700	1250	30°/40°/50°/60°
Z.PB2	375	1800	850	1500	30°/40°/50°/60°
Z.PB3	475	2000	950	1700	30°/40°/50°/60°
Z.PB2	575	2000	950	1700	30°/40°/50°/60°



## on flat conveyor



Stout conveyors made of 160 mm high aluminium sections.  
Operating temperatures +1°C to about 200°C

### METAL BELTS WITH DIFFERENT SURFACES:

1. Smooth - suitable for welding/screwing drive slats.
2. High grip - avoid complete contact of the product on the surface.
3. High grip and perforated - in the presence of liquids to be decanted.
4. Mesh - in the presence of large quantities of liquids to be decanted.

### When to choose a metal belt conveyor?

- Metal belt is ideal when temperatures are very high (up to +200°C)
- In presence of electrostatic charges
- For the transport of small or very sharp articles (e.g. screws)
- Metal belt is ideal for small metal pcs

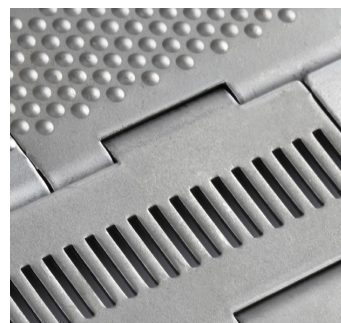
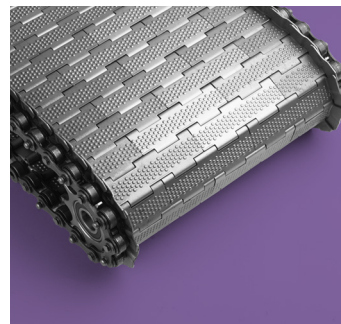


## CHARACTERISTICS

- Recommended for products with very high temperatures and in the die-casting sector
- Suitable for the transport of metallic and sharp pieces, in presence of lubricants or beside machines for cleaning or polishing metallic products.

## TECHNICAL SPECIFICATIONS

- Metal belt with containment edges
- Temperature up to 200°C
- 0,37 kW asynchronous motor
- Fixed speed 4 m/min

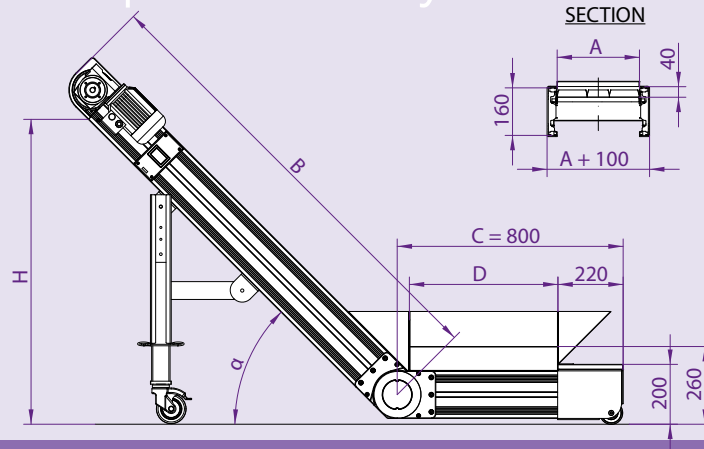


### FLAT METAL BELT dimension

DIMENSION	A min (mm)	A max (mm)	B min (mm)	B max (mm)	H min (mm)	H max (mm)
FLAT.MB	150	750	1000	5000	300	2000



## on L-shaped conveyor

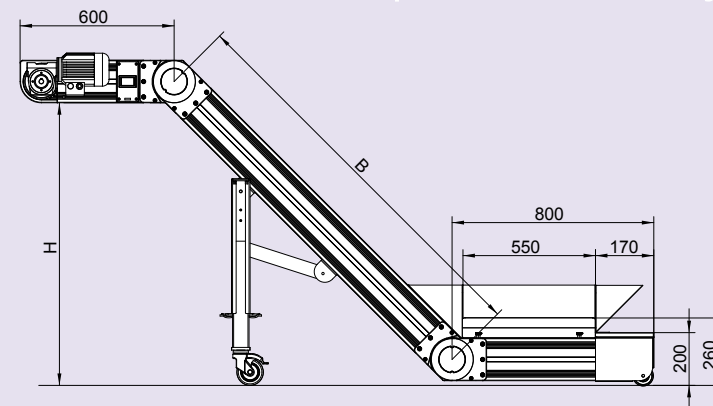


### CHARACTERISTICS

- Recommended for products with very high temperatures and in the diecasting sector
- Suitable for the transport of metallic and sharp pieces, in presence of lubricants or beside machines for cleaning or polishing metallic products
- Optional: unloading chute, loading hopper

L - METAL BELT dimension					
DIMENSION	A	B	H min (mm)	H max (mm)	POSSIBLE $\alpha$ (mm)
L.MB1	250	1500	700	1250	30°/40°/50°/60°
L.MB2	350	1800	850	1500	30°/40°/50°/60°
L.MB3	450	2000	950	1700	30°/40°/50°/60°
L.MB4	550	2000	950	1700	30°/40°/50°/60°

## on Z-shaped conveyor



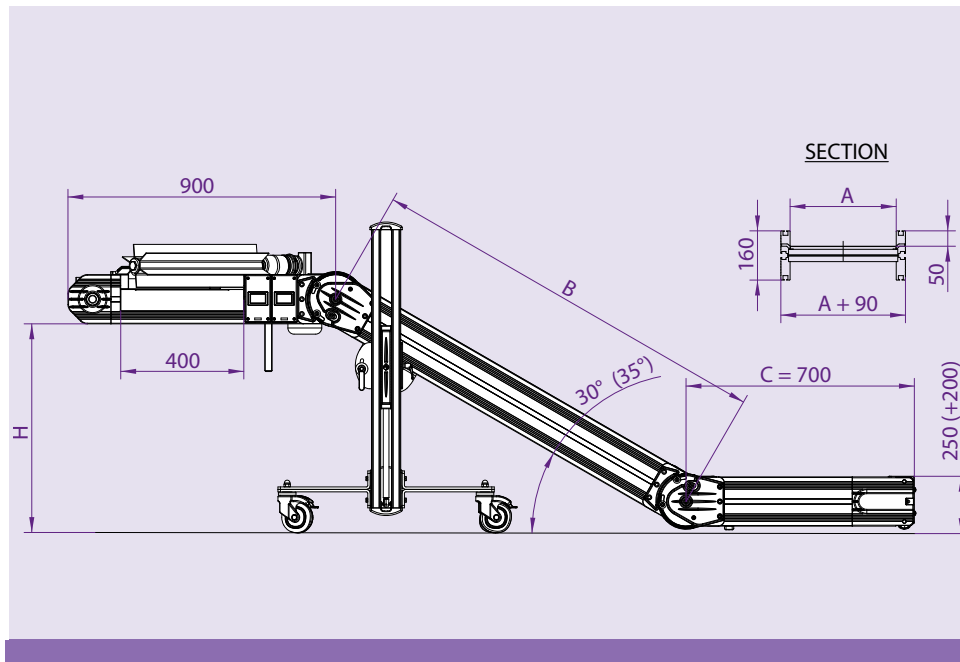
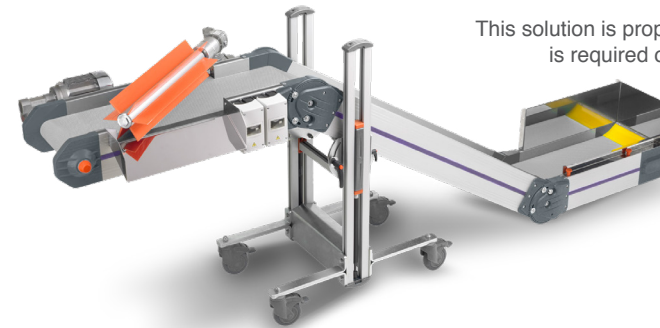
### TECHNICAL SPECIFICATIONS

- Metal belt with slats and containment edges
- Temperature up to 200°C
- 0,37 kW asynchronous motor
- Fixed speed 4 m/min.
- Slats h 20/30 mm, pitch 400mm
- Optional: unloading chute, loading hopper

Z - METAL BELT dimension					
DIMENSION	A	B	H min (mm)	H max (mm)	POSSIBLE $\alpha$ (mm)
Z.MB1	250	1500	700	1250	30°/40°/50°/60°
Z.MB2	350	1800	850	1500	30°/40°/50°/60°
Z.MB3	450	2000	950	1700	30°/40°/50°/60°
Z.MB4	550	2000	950	1700	30°/40°/50°/60°

with white wp

This solution is proposed when optimal separation is required or for regulation of product flow



## CHARACTERISTICS

- Standard version of paddle separator installed on a mod. BISHOP conveyor.
- The distance between conveyor and paddle separator can be adjusted according to the sprue dimensions and shape

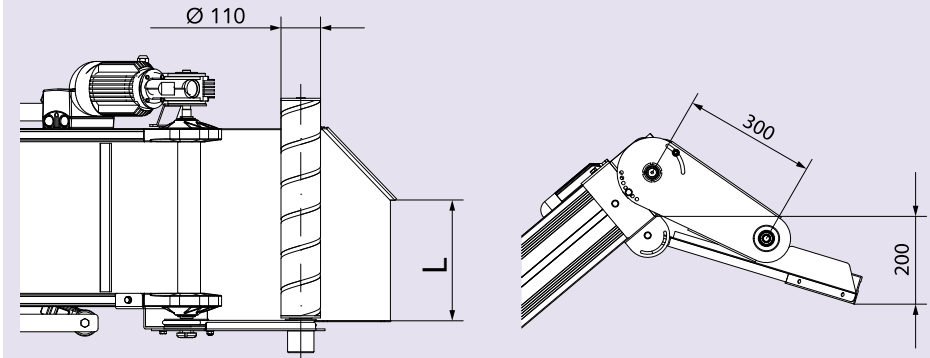
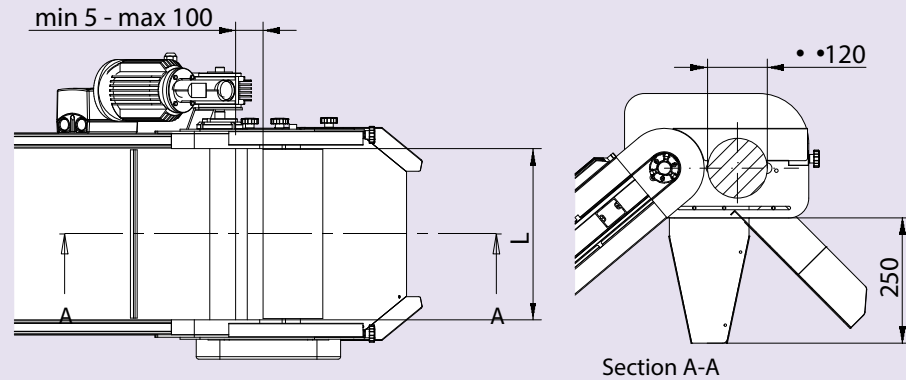
## TECHNICAL SPECIFICATIONS

- Structure made of aluminium anodized profile
- Lateral edges h 50 mm in aluminium
- PVC high grip belt without slats, vulcanised belt joint, temperature resistance -10°C to +60°C
- Upper flat part equipped with paddle separator model WP complete of unloading chute for the discharge of the sprues
- Transmission group composed of: three-phase 0.18 kW asynchronous motor, worm reduction unit with lubrication for life
- Paddle separator with transmission group composed of 0.09kW asynchronous three-phase motor with worm reduction unit and torque limiter.
- Fixed speed 3 m/min.
- Conveyor complete with Start and Stop double switch/motor cut-out (one for the conveyor and one for the separator), with 5 m cable and 4P CE plug (3 phases + ground).
- Standard motor supply voltage 400 Volts/50 Hz.
- Optional: unloading chute, loading hopper

Z-SHAPED CONVEYOR with WHITE WP dimension					
MODEL	A (mm)	B (mm)	H min (mm)	H max (mm)	l a 30° (mm)
Z - WP.a	140	1300	650	750	2800
Z - WP.b	240	1300	650	750	2800
Z - WP.c	340	1800	900	1030	3250
Z - WP.d	440	1800	900	1030	3250

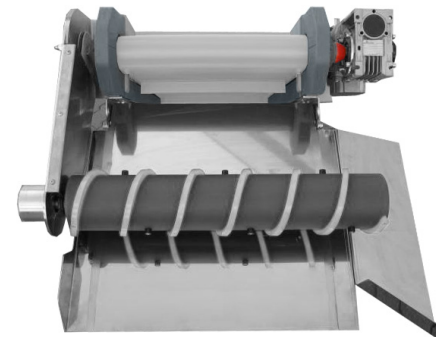
single roller

spiral separator



**CHARACTERISTICS**

- Single roller separator installed on KNIGHT or BISHOP conveyor
- The distance between roller and conveyor can be adjusted according to dimension and shape of the sprue



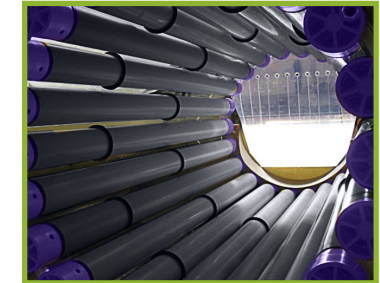
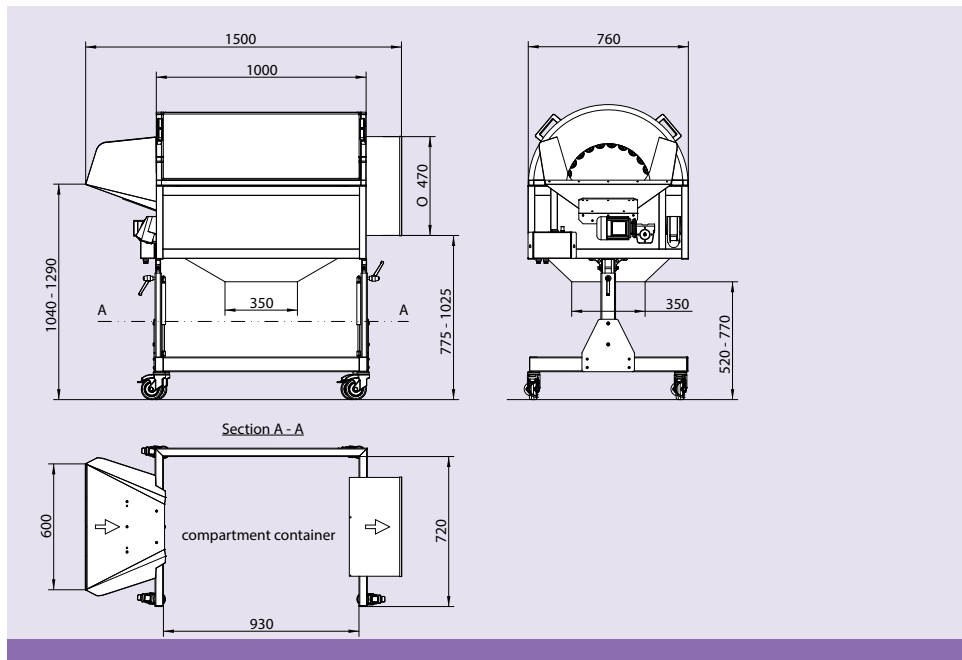
**CHARACTERISTICS**

- Spiral separator installed on KNIGHT or BISHOP conveyor
- The distance between spiral roller and chute can be adjusted according to dimension and shape of the sprue

WHITE WS		
MODEL	L (mm)	APPLICATION
WHITE WS.a	155	XRCP / XRCPT
WHITE WS.b	255	
WHITE WS.c	355	

WHITE WT		
MODEL	L (mm)	APPLICATION
WHITE WT.a	155	XRCP / XRCPT
WHITE WT.b	255	
WHITE WT.c	355	

are the most functional means  
for separating the product from the sprue



### CHARACTERISTICS

- Separator with rotary drum consisting of 24 PVC rollers having 50mm diameter and 800mm length with adjustable distance between each other
- Drum rotation speed inverter; possible manual adjustment range: minimum 4rotations/minute, maximum 20 rotations/minute
- Motor connection voltage: 220V / 50Hz, single-phase
- Separator standing on rotating wheels  $\varnothing$  100 mm complete with brake
- The height adjustment of the higher frame supporting the frame is easily possible thanks to two gas pumps installed on the basement
- Input and output chutes of the pieces composed of stainless steel AISI 304
- Optional: automatic rollers adjustment

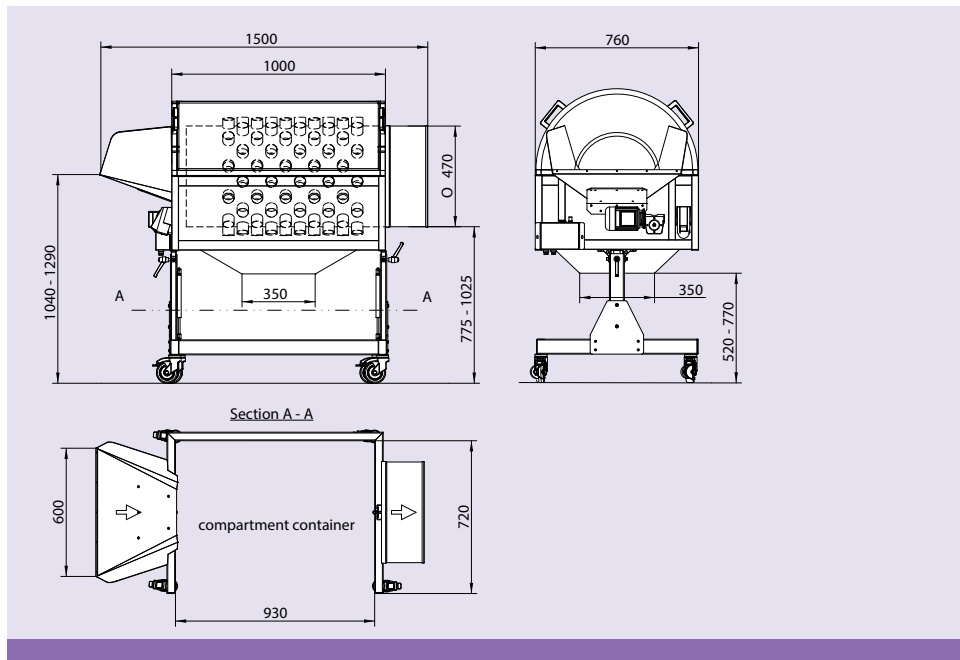
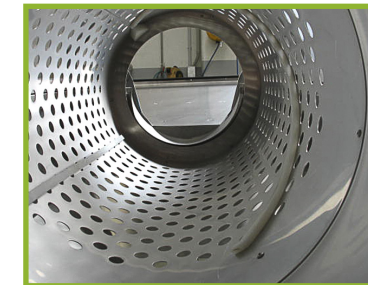
ATTENTION! the standard inlet chute is suitable only when the loading conveyor is in line with separator. If the loading conveyor is placed orthogonally to the separator, we are at your disposal to offer an alternative special orthogonal chute

### TECHNICAL SPECIFICATIONS

- Diameter of the drum 470 mm
- Useful length of the drum 800 mm
- Loading height : minimum 1040 mm and maximum 1290 mm
- Frontal unloading height : minimum 775 mm and maximum 1025 mm
- Lower unloading height : minimum 775 mm and maximum 1025 mm
- Overall length of the separator 1500 mm
- Drum rotation speed adjustable from 0 to 20 revolutions/min. through electrical control board
- Tension 220 Volt/50 Hz

perforated  
rotary drum

are the most functional means  
for separating the product from the sprue



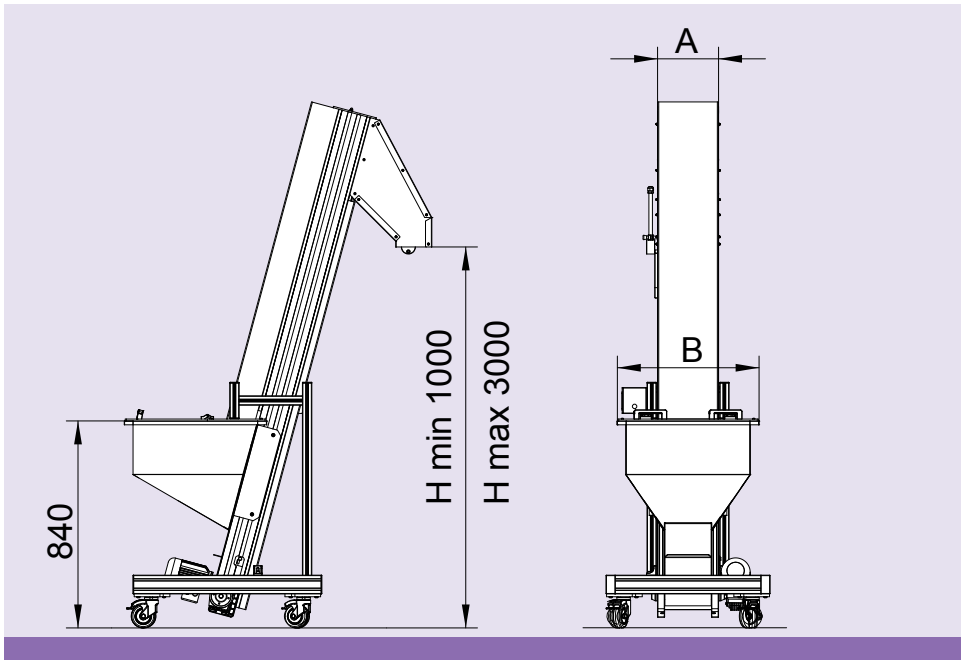
**CHARACTERISTICS**

- Separator with perforated rotary drum made of AISI 304 sheet
- Usually complete with small sprues anti-grip pipes (the diameter of the holes and the need depends on the shape of the product and the sprue)
- Drum rotation speed inverter; possible manual adjustment range: minimum 4 rotations/minute, maximum 20 rotations/minute
- Motor connection voltage: 220V / 50Hz, single-phase
- Separator standing on rotating wheels  $\varnothing$  100 mm complete with brake
- The height adjustment of the higher frame supporting the frame is easily possible thanks to two gas pumps installed on the basement
- Input and output chutes of the pieces composed of stainless steel AISI 304

ATTENTION! the standard inlet chute is suitable only when the loading conveyor is in line with separator. If the loading conveyor is placed orthogonally to the separator, we are at your disposal to offer an alternative special orthogonal chute

**TECHNICAL SPECIFICATIONS**

- Diameter of the drum 470 mm
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- Loading height : minimum 1040 mm and maximum 1290 mm
- Frontal unloading height : minimum 775 mm and maximum 1025 mm
- Lower unloading height : minimum 775 mm and maximum 1025 mm
- Overall length of the separator 1500 mm
- Mantle's rotation speed adjustable from 0 to 20 revolutions/min. through electrical control board
- Tension 220 Volt/50 Hz
- Optional: BLACK BP drum with holes + 255 tubes (tubes internal  $\varnothing$  32 h 50 mm)



## CHARACTERISTICS

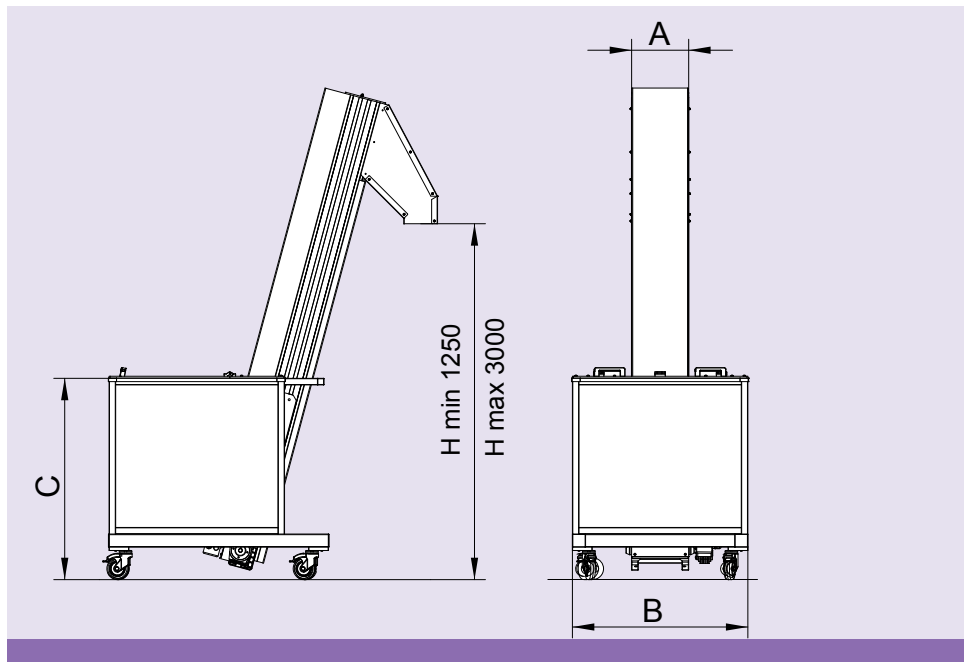
- Suitable for collection of the product from a hopper and elevation to a certain height  
Ideal for plastic cap closures transport
- The bigger hopper allows a longer autonomy before a refill is needed.
- Version FDA suitable to convey components which could come into contact with alimentary or medical products.

## TECHNICAL SPECIFICATIONS

- Structure made of aluminium anodised profile
- PU belt with slats max h=30 pitch=150, vulcanised belt joint, max temp. resistance from -10°C to +90°C
- Conveyor complete with lateral containment edges in aluminium 80 mm. of height .
- Elevator complete with loading hopper
- Elevator mounted on antivibrating feet or wheels
- Transmission group composed of: three-phase 0.18 kW asynchronous motor, worm reduction unit with lubrication for life, fixed speed 12 mmin
- Elevator complete with Start and Stop switch/motor cut-out with 5 m cable and 4P CE plug (3 phases+ground).
- Slope canal of the elevator complete with polycarbonate covering
- Standard motor supply voltage 400V/50Hz

STAIR 600 dimension

DIMENSION	A (mm)	B (mm)	Hopper Capacity	H min (mm)	H max (mm)
STAIR 600	200	600	80 l	1000	3000



## CHARACTERISTICS

- Suitable for collection of the product from a hopper and elevation to a certain height
- Ideal for plastic cap closures transport

## TECHNICAL SPECIFICATIONS

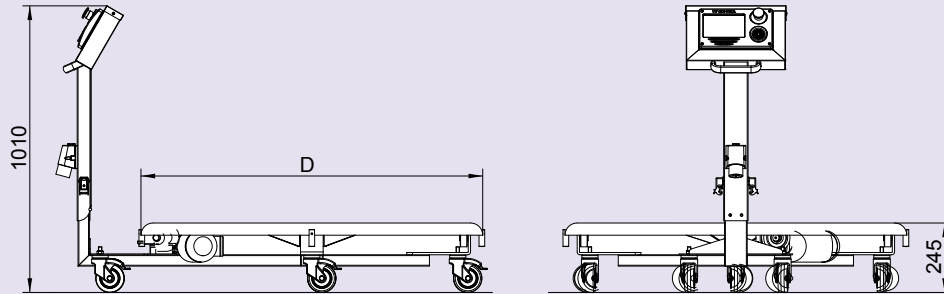
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- Conveyor complete with lateral containment edges in aluminium 80 mm. of height.
- Elevator complete with loading hopper
- Elevator mounted on antivibrating feet or wheels
- Transmission group composed of: three-phase 0.18 kW asynchronous motor, worm reduction unit with lubrication for life, fixed speed 12 m/min
- Elevator complete with Start and Stop switch/motor cut-out with 5 m cable and 4P CE plug (3 phases+ground).
- Slope canal of the elevator complete with polycarbonate covering
- Standard motor supply voltage 400V/50Hz

STAIR 800-1000 dimension						
DIMENSION	A (mm)	B (mm)	C (mm)	Hopper Capacity	H min (mm)	H max (mm)
STAIR 800	200	800	930	185 lt	1250	3000
STAIR 900	300	800	930	185 lt	1250	3000
STAIR 1000	300	1000	1130	410 lt	1250	3000



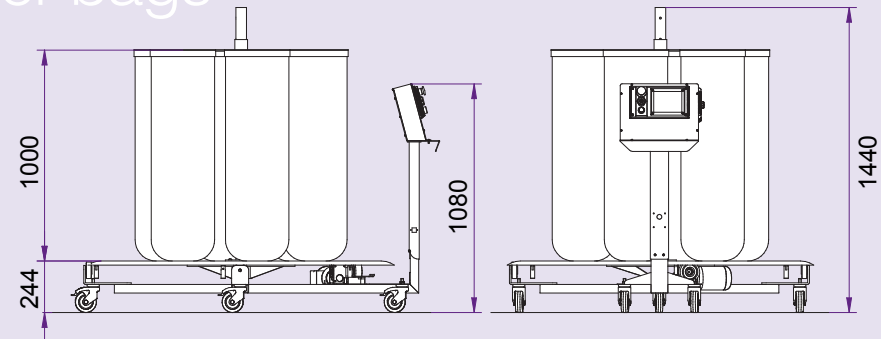
# o-round storage system

for boxes



MODEL AND FEATURES DEPENDING ON TYPE AND SIZE OF CONTAINER  
BOXES STANDARD SIZE: 600 X 400 mm, H 400 mm

for bags



POSSIBLE HEIGHTS OF THE BAGS: MIN 240 mm – MAX 1200 mm



## CHARACTERISTICS

- O-ROUND is a basic turntable for filling boxes or cartons or bag
- Disc structure made of 4mm thick AISI 430
- Application of supporting brackets for containers positioning or application of bag-holder frame supported by a central rod
- Turntable complete with control panel TV having the following functioning logic:

An external voltage-free normally open NO clean contact linked to the production cycle of the IMM is memorized by the relative pulse counter. Every enabling signal on the input corresponds to a moulding phase and every moulding phase corresponds to a certain quantity of product. The number of enabling signals required to fill the container is selected on the control panel. Once the selected number of enabling signals has arrived, the pulse counter stops the loading conveyor, starts counting the enabling signals from zero again, turns the table to the next loading station and starts the loading conveyor once more. Any stamping phases that may have occurred as the machine switched from one loading station to the next will be memorized by the pulse counter. The control panel is complete of a signal that can be used to stop the loading conveyor during the turntable's rotation



## TECHNICAL SPECIFICATIONS

- Possible diameter 1200 or 1450 mm
- Height of the plate from floor = ~250 mm
- Capacity of the turntable 120 - 140 kg
- Speed of the turntable 1.7 - 2.2 tours per minute
- Standard tables motor supply voltage 400 Volts/50 Hz

### O-ROUND dimension

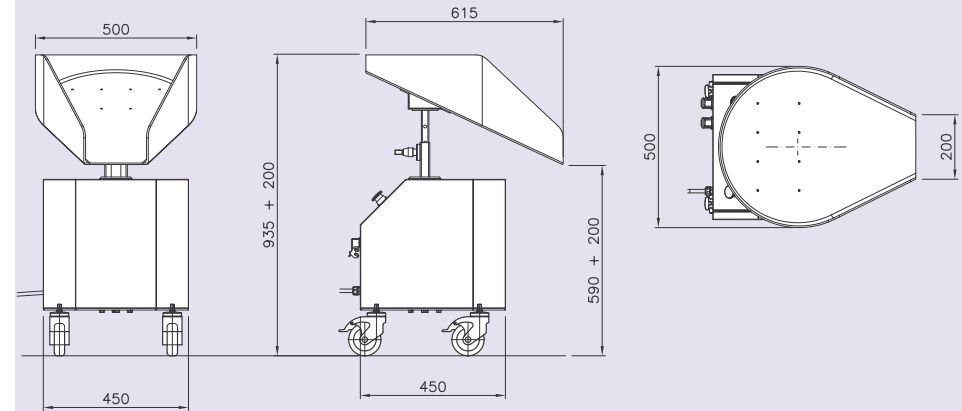
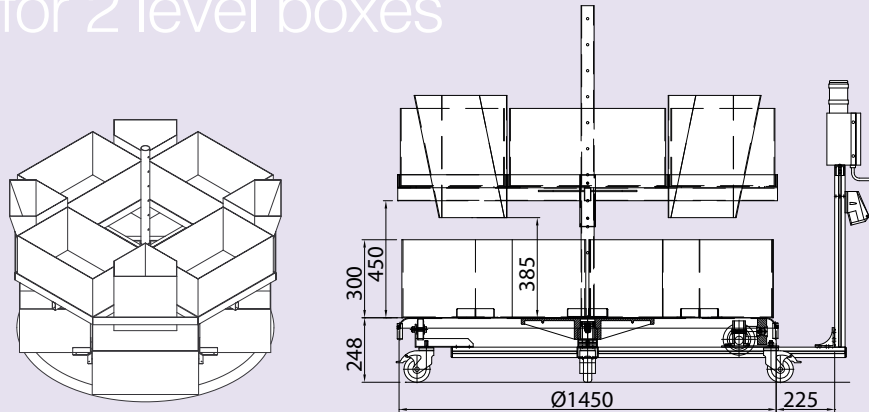
DIMENSION	D (mm)	H (mm)	CAPACITY	ROTATION SPEED
O-ROUND.a	1200	250	120 kg	2,2 rpm
O-ROUND.b	1450	250	140 kg	1,7 rpm



# o-round

# spoon

for 2 level boxes



## TECHNICAL SPECIFICATIONS

- Filling logic: with IMM cycles count or with setting of filling time
- Possible diameter 1200 or 1450 mm
- Turntable for filling containers placed on two levels
- Application to optimize the number of containers filled, increasing autonomy of IMM
- Optional: Pc Round Protection

### SPECIAL DOUBLE O-ROUND FOR 4+4 CONTAINERS

MODEL	D (mm)
DOUBLE O-ROUND	1450

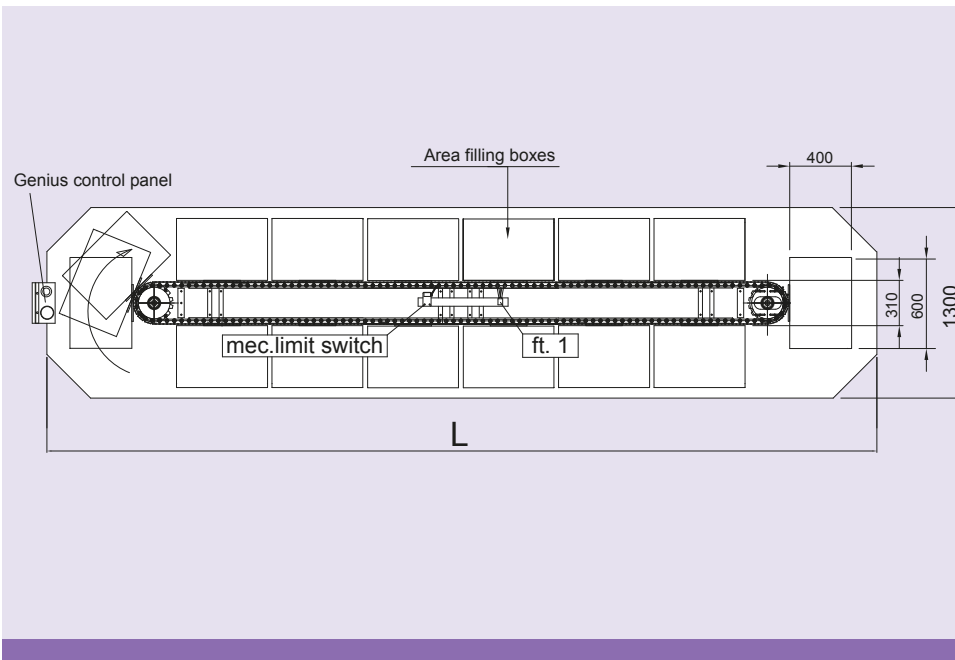


## CHARACTERISTICS

- Dispenser to distribute the product coming from a conveyor into different containers.
- Dispenser with 360° rotating chute: it can be placed on the press at any point along the storage path (longitudinal, lateral and perpendicular)
- Can work using signal from the IMM or programming the filling time
- Can convey product to any position

## TECHNICAL SPECIFICATIONS

- Max capacity: 2kg for single product
- 0.06 kw motor for chute rotation
- Standard motor supply voltage: 400V/50Hz
- Spoon dimensions mm. 614x500x1100
- Weight kg 40
- Material of chute: ABS
- Options: INOX A304 unloading chute  
INOX A304 unloading chute with deviation



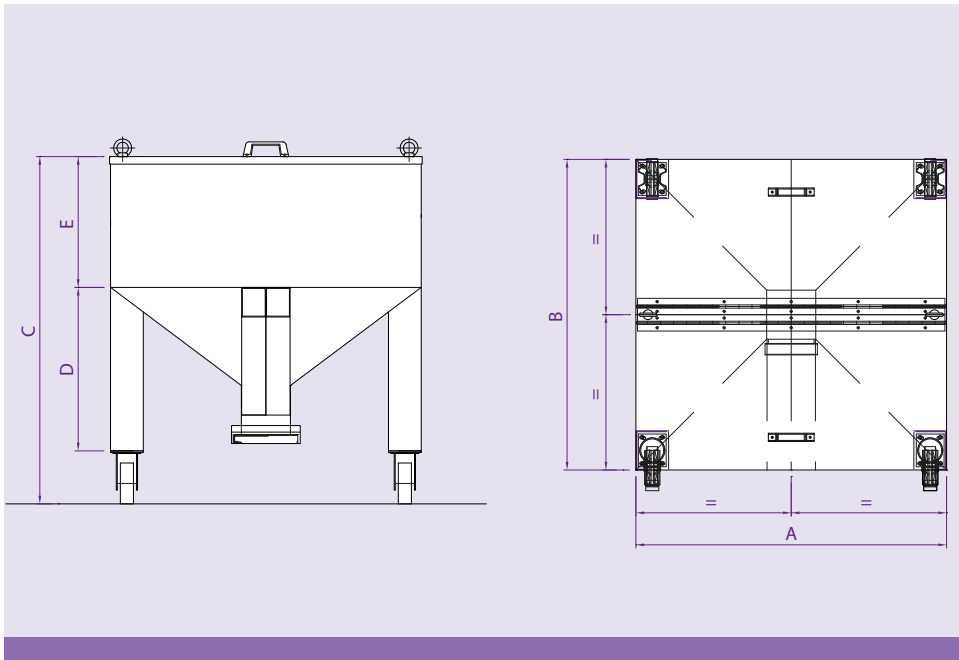
## CHARACTERISTICS

- Horizontal "Dolly Carousel" involves counting the IMM moulded items to be stored in each container.
- On reaching the present quantity, the "Dolly Carousel" rotates the containers so that an empty one is placed in the loading area.

## TECHNICAL SPECIFICATIONS

- Carousel storage system to fill cartons with dimensions 400x600.
- The cartons are placed on mobile platforms, all of the same predetermined size, fixed on a central chain.
- The boxes can be filled by means of a robotic arm or conveyor belt
- The cartons are filled one at a time, so that at each box change (next empty carton replacing the one just filled in the loading position) corresponds to a platform displacement.
- The correct positioning of the next empty box is ensured by a blocking device.
- Carousel complete with Genius Control panel
- The logic includes counting of the molding cycles to be stored within each container.
- Once the set amount is reached, the carousel rotates the containers until the next empty container is placed in the loading position.
- Connection voltage 400V / 3 / 50Hz

DOLLY CAROUSEL		
MODEL	NR of PLATFORMS/BOXES (400x600 mm)	LENGTH L (mm)
DOLLY 8	8	3700
DOLLY 10	10	4350
DOLLY 12	12	5000
DOLLY 14	14	5650
DOLLY 16	16	6300
DOLLY 18	18	6950
DOLLY 20	20	7600
DOLLY 22	22	8250
DOLLY 24	24	8900
DOLLY 26	26	9550
DOLLY 28	28	10200
DOLLY 30	30	10850



## CHARACTERISTICS

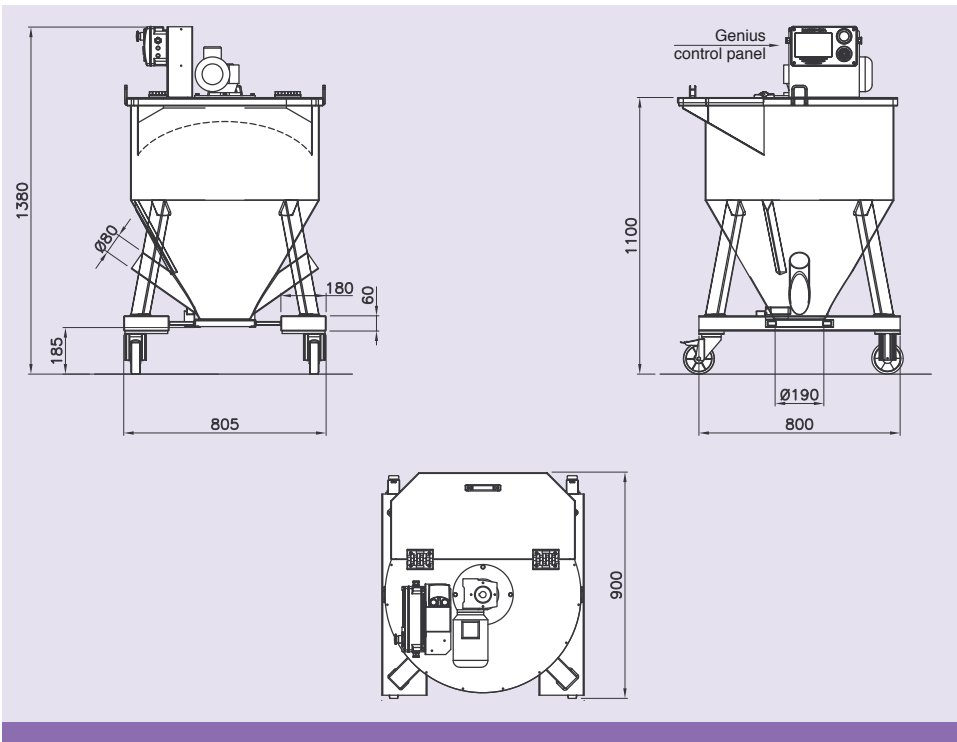
- Widely used solution to store plastic granules
- Structure made of A304 or A430 stainless steel sheet
- Openable upper lid and complete lifting eyebolts  
(NB: the standard does NOT include grid under the lid)
- Comes with 2 openings for pipe insertion with internal dimensions 70x70mm

## TECHNICAL SPECIFICATIONS

- Equipped with discharge gate for fast emptying
- Mounted on castors (2 swivel castors complete with brake and 2 fixed)
- Capacity: min 100 lt - max 1975 lt.

## SILOS dimension

MODEL	CAPACITY (lt)	A (mm)	B (mm)	C (mm)	D (mm)
STORAGE BIN.100	100	500	500	300	880
STORAGE BIN.200	200	750	750	250	910
STORAGE BIN.1	295	750	750	400	1060
STORAGE BIN.2	465	950	950	400	1060
STORAGE BIN.3	585	1050	1050	400	1110
STORAGE BIN.4	800	1200	1200	400	1160
STORAGE BIN.5	1580	1350	1350	700	1555
STORAGE BIN.6	1975	1500	1500	700	1605



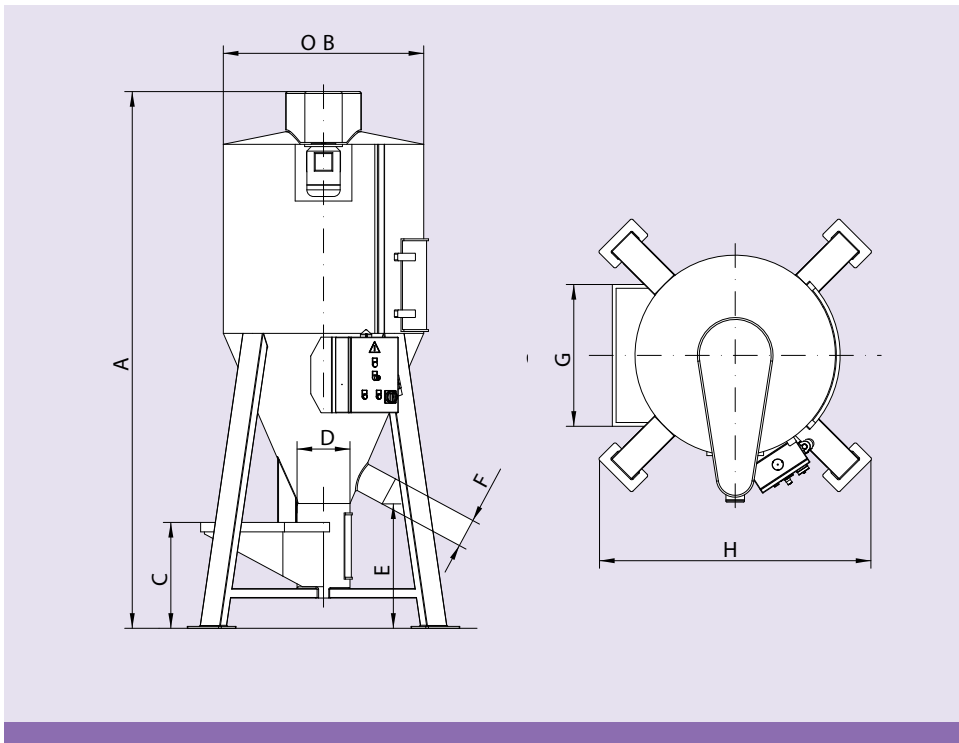
## CHARACTERISTICS

- The mixer Blend is a BLEND suitable for mixing small quantities of product or for moulding tests or materials test.
- It is therefore suitable when the product batches are not very large.
- The mixing principle is the following: on request, the screw is enclosed in a tube and the material is fed from the top.
- The mixed product is usually taken by means of a suction nozzle and fed into one of the two cone-shaped side tubes of the container.
- The gate valve for rapid unloading and/or cleaning inside the mixer hopper and the hopper lid are protected by micro switches.
- Available also in full AISI 304 stainless steel version. All the metallic parts of this mixer in contact with the material are made of 304 stainless steel, including the mixing screw and the screw container tube (if requested).
- This solution is usually proposed when the material to be mixed is used for making food and/or pharmaceutical products, therefore risk of contamination must be avoided.

## TECHNICAL SPECIFICATIONS

- Mixer realized in sheet Fe varnished
- Capacity of the mixer = 240 litres
- Mixer screw rotation speed 200 per minute
- Power of the transmission group 0,75 Kw
- Mixer standing on pivoting wheels (two with brake)
- Mixer complete with Genius Control Panel having the following functions:
  - Manual : march/stop through plungers
  - Automatic: functioning for the established time of run
- Safety: circuit to stop the mixer's functioning if the cap is raised or to let the mixer run with raised cap.
- Connecting tension 380 Volt/50 Hz

# big blend vertical mixer



## CHARACTERISTICS

BIG BLEND is a solution that has always been used for mixing plastic material granules.

BIG BLEND consists of an outer frame made of painted sheet metal and an internal screw (optional in BIG BLEND 2/3) inside a tube for mixing the contents.

The material to be mixed is fed into the loading hopper, the screw receives it from below and carries it upwards releasing it on top, spreading it inside the mixer body with a radius of 360°. After about 15/20 minutes, the material is perfectly mixed.

BIG BLEND includes the control panel, with the Start and Stop functions and time settings

The inspection hatches for the screw conveyor and mixer are protected by safety microswitches.

## TECHNICAL SPECIFICATIONS

- Loading hopper for the material to be mixed.
- The mixed material outlet tube complete with gate valve.
- Screw is enclosed in a tube along its entire length.
- When the inspection hatch is open, big blend will not run.
- Both doors have a pair of safety latches and microswitches for protection.
- Note the mixer transmission group positioned at the top and the V-belt transmission.
- The power cable and cables of the micro switches are protected in a cable duct.

## BIG BLEND dimension

DIMENSION	CAPACITY	A	B	C	D	E	F	G	H
BIG BLEND 2/3	500 lt	2550	850	600	200	800	150	850	1150
BIG BLEND 4	1000 lt	3050	1060	650	280	800	200	750	1250
BIG BLEND 5	1800 lt	3200	1400	700	320	800	230	950	1400
BIG BLEND 6	2500 lt	3500	1500	700	320	800	230	950	1450
BIG BLEND 7	3500 lt	3900	1600	700	320	800	230	950	1500
BIG BLEND 8	5000 lt	4200	1900	750	320	800	230	1000	1800
BIG BLEND 9	8000 lt	4600	2350	750	320	800	230	1000	1950
BIG BLEND 10	10000 lt	5100	2350	750	320	800	230	1000	1950
BIG BLEND 11	14000 lt	5600	2450	750	320	800	230	1100	2150



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