



**minipack® - torre**

**UNEXPECTED IDEAS**

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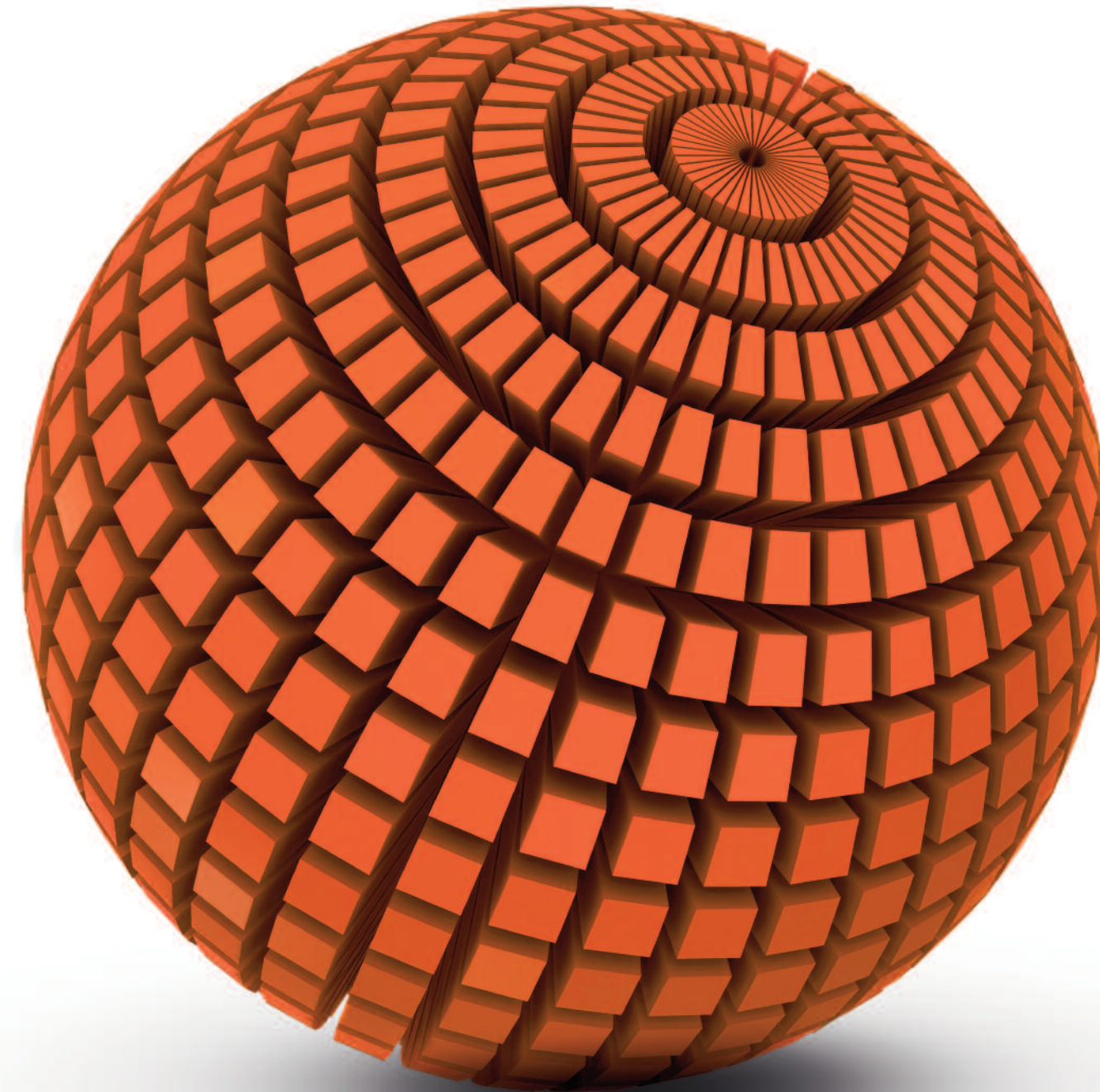
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CONCEPT, CREATIVE, ART DIRECTION BAGAR S.R.L. PHOTOS ILARDO TEAM - DIECIBOICI PRINTED 09.2012



**MINIPACK-TORRE** 

## MINIPACK-TORRE. UNEXPECTED IDEAS

Ten world-wide patented models, four technological advanced production facilities (one completely automated), a world-wide distribution network, a widespread technical assistance, the Certificate of Quality UNI EN ISO 9001:2000: this is what today MINIPACK-TORRE is.

In more than 30 years the company has gained a world-wide leader position in the packaging machines field. Any equipment provided is reliable, ensures a good productivity and always impresses for the great ideas which has.

### DESIGN AND PRODUCTION.

We believe that in order to achieve goods results, every single project has to be personally followed from the beginning to the end. At MINIPACK-TORRE all the steps of a project are entirely developed inside the company. That is why a steel-works has been created inside the company to build all the chassis and the whole components of the machines. This gives a great flexibility to the whole structure.

### HI-TECH MANUFACTURING PLANTS.

The manufacturing plants are completely automated. The staff is continuously working in order to fulfill any specific and customized requirements from all the customers.

### QUALITY POLICY.

The two Certificates of Quality UNI EN ISO 9001-VISION 2000 obtained in the year 2001 represent an important goal and a never-ended engagement to satisfy the customers thanks to a strict quality control procedure in production, commercial services and after-sales assistance.

### R&D

Every year 5% of the general turnover is invested in R&D. This continuous research allows MINIPACK-TORRE to always be on the top level of a market which is constantly in evolution. Thanks to the R&D department the company is always able to offer new advanced and reliable packaging systems.

### SAFETY: TOP PRIORITY.

More than others, MINIPACK-TORRE has taken into great consideration the safety of the operators of their machines. That is why they deeply and continuously studied and developed new safety systems.

## THE ADVANTAGES OF THE AUTOMATIC MACHINES

Automatic machines = to be employed by companies which need high production outputs.

A deeper analysis controverts this idea and underlines the great advantage which derives from the employment of an automatic machine instead of a semi-automatic one.

Also for outputs which are not so high (2500-3000 pcs/day), a considerable cost saving may be obtained, since it is possible:

- to employ labor force (operator) in

other activities for 7/8 months yearly thus keeping the same productivity level.

- to obtain an advantage which derives from energy saving( the tunnel is switched off for the relative period).
- to face any peak in production thus not creating any difficulty in production and any extraordinary work.

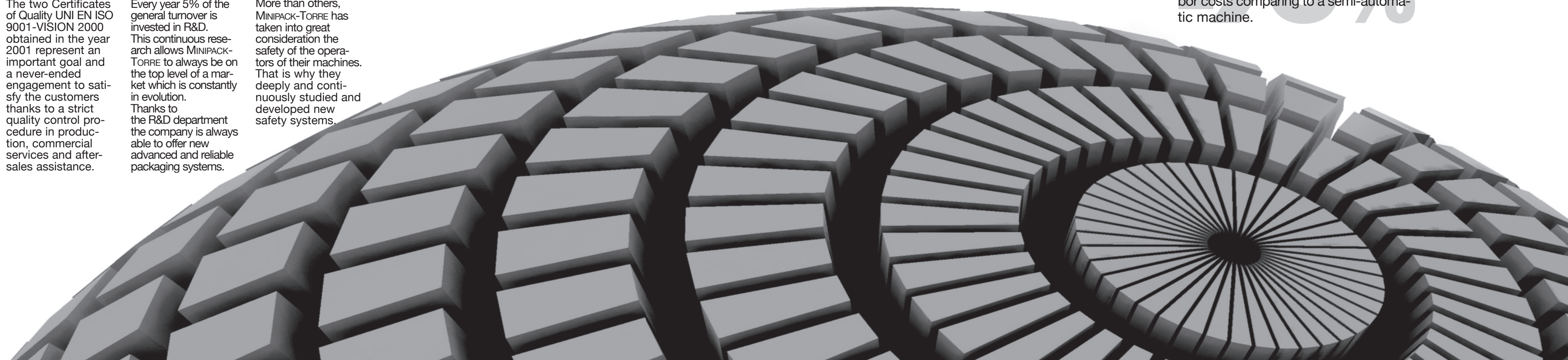
Flexibility is another advantage. The automatic machines may be employed in several application fields: food,

retail, graphic and mailing, GDO,

industrial and textile.

This why, after two years of intensive work since the creation of the first prototype, MINIPACK-TORRE has introduced the new PRATIKA 56 range, the ultimate turning point of its production.

With the new generation automatic machines there is a 70% saving in labor costs comparing to a semi-automatic machine.



## NEW RANGE PRATIKA 56

### CREATIVITY BY MINIPACK-TORRE RELIABILITY BY SCHNEIDER ELECTRIC

**MINIPACK-TORRE's** distinctive feature is its capacity to project, innovate and amaze for the great ideas which embody its products. For its next-generation **PRATIKA 56** automatic machine new range, it has not only chosen cutting edge, not to say revolutionary, mechanical project solutions. Moreover **MINIPACK-TORRE** has also chosen the electronic technology

and the components of a world-wide known trade-mark: **SCHNEIDER ELECTRIC**. The result is a perfect synthesis of reliability, high performances, flexibility and safety which changes the concept of the automatic machine with thermo-shrinking film once again. The future in automatic packaging has already started.

PRATIKA 56

minipac



## PRATIKA 56

AUTOMATIC TECHNOLOGY  
AT AN AFFORDABLE PRICE.

Basic model of the new **MINIPACK-TORRE** automatic machine line

- L-sealing system
- **SCHNEIDER ELECTRIC** PLC operation control
- Standard kissing-belt
- Pneumatic supply (60 lt/min)

### MAXIMUM PRODUCT DIMENSIONS

Height 160mm  
Width 400mm x length 600mm

### HOURLY OUTPUT

0-2400 pcs/h

### EMPLOYED FILMS

Polyolefin, PVC, Polythene  
from 7 to 80 micron



## PRATIKA 56CS

THE COMPLETENESS  
OF CENTER SEALING

The evolution of the new **MINIPACK-TORRE** automatic machine line

- L-sealing system
- Center Sealing device
- **SCHNEIDER ELECTRIC** PLC operation control
- Standard kissing-belt
- Pneumatic supply (60 lt/min)

### MAXIMUM PRODUCT DIMENSIONS

Height 240mm  
Width 400mm x length 600mm

### HOURLY OUTPUT

0-2400 pcs/h

### EMPLOYED FILMS

Polyolefin, PVC, Polythene  
from 7 to 80 micron



## PRATIKA 56MPE

A NEW CONCEPT FOR THE MAXIMUM SPEED  
AND FLEXIBILITY

The most appreciated model of the new **MINIPACK-TORRE** automatic machine line

- L-sealing system
- Center Sealing device
- **SCHNEIDER ELECTRIC** PLC brushless servomotor
- **SCHNEIDER ELECTRIC** PLC operation control
- Electric supply (no pneumatic connection is needed)

### MAXIMUM PRODUCT DIMENSIONS

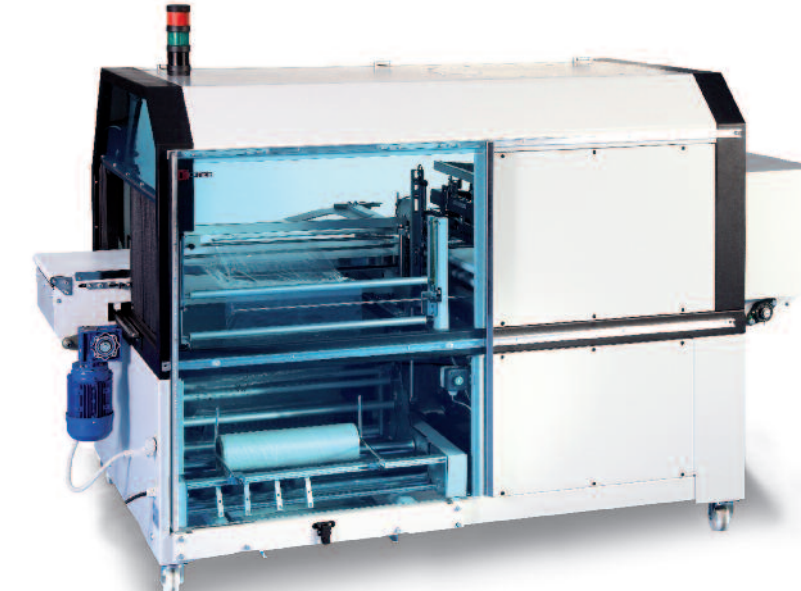
Height 240mm  
Width 400mm x length 600mm

### HOURLY OUTPUT

0-3600 pcs/h

### EMPLOYED FILMS

Polyolefin, PVC, OPP, Polythene  
from 7 to 80 micron



## PRATIKA 56MPS

THE PLUS OF THE SIDE-SEALING

The top model of the new **MINIPACK-TORRE** automatic machine line

- Side sealing system
- Center Sealing device
- **SCHNEIDER ELECTRIC** PLC brushless servomotor
- **SCHNEIDER ELECTRIC** PLC operation control
- Electric supply (no pneumatic connection is needed)

### MAXIMUM PRODUCT DIMENSIONS

Height 240mm  
Width 400mm x infinite length

### HOURLY OUTPUT

0-3000 pcs/h

### EMPLOYED FILMS

Polyolefin  
from 7 to 80 micron

# NEW PRATIKA 56 LINE

# BEYOND COMPARE

## PRODUCTIVITY

- High sealing and product output
- Output up to 60 pcs/min (for Pratika 56MPE) changeable according to the product, the employed film and the operator's ability
- Kissing belt system to pack also small dimensions products

## FUNCTIONALITY

- Rear movable roll loading
- Film stretch adjustment weights
- High technology vertical photocell
- Electronic counter cycles
- Automatic control of the switch-on functions



## VERSATILITY

- Maximum product width:400mm. Maximum product length: 600mm
- Infinite length product packaging on 56MPS
- Maximum product height 240mm (Pratika 56CS/56MPE/56MPS) and 160mm (Pratika 56)

## USER-FRIENDLY

- Lighted working area
- Machines on adjustable locking casters
- Level bubble
- Frontal and rear opening for easy access and intervention on the machine
- Customized using procedures operator/assistant

## SAFETY

- Machine completely closed by a covering, even on the in-feed/out-feed belts and roll support
- Safety micros on the access doors of the machine
- Operation control with operator safety
- Visible and acoustic alarm signal of the machine stop

The new **PRATIKA 56** line is born, not only from the proven **MINIPACK-TORRE** "power of ideas", but also from a deep attention to the market needs which has always been in search for a product which must be both highly technological but flexible and "user-friendly". The range is composed of 4 models with common highly technological and reliable equipments, which have specific features to meet different and specific packaging needs. "Made in Italy with an international heart": **PRATIKA 56** models are entirely produced at **MINIPACK-TORRE** production facilities but the heart of electric and electronic components of a multinational company like **SCHNEIDER ELECTRIC** is beating inside them.

VISIBLE AND ACOUSTIC  
ALARM SIGNAL

INTERNAL LIGHT

SLIDING DOOR

IN-FEED AND OUT-FEED BELT  
COMPLETE COVERING

FRONTAL CONTROL PANEL  
WITH EASY ACCESS AND SAFETY KEY

NEW DESIGN  
BODY WORK

## TECHNICAL FEATURES

40 CM ENTRY  
SUPPORT SPACE

WASTE-WINDER  
MOTOR

FILM STRETCH  
ADJUSTMENT  
WEIGHTS

PRODUCT ENTRY WITH SIMPLE  
WIDTH ADJUSTING

FILM ROLL DRAWER  
WITH SAFETY REAR SLIDING DOOR

MACHINE ON  
ADJUSTABLE CASTERS

FULL WASTE  
WINDER ALARM DEVICE

ELECTRIC PANEL  
WITH SCHNEIDER ELECTRIC COMPONENTS

Schneider Electric PLC operation control with  
256 customizable and namable programs

8-language touch-screen display  
with USB door

Information to the operator of the roll  
and the opening film roll position depending  
on the product (Pratika56MPE/56MPS)

New micro-puncher kit  
with adjustable tensioning film

Center Sealing device, adjustable  
on the product height set-up  
(Pratika 56CS/56MPE/56MPS)

New sealing bar activating frame  
which balances the pushes thus making  
the movement more fluid

Motorized adjustable height  
of the triangles on product height set-up  
(Pratika 56/56CS)

Auto set-up of the height of the triangles  
and bars related to the height of the product  
(Pratika56MPE/56MPS)

Sealing bar opening directly set-up  
on the touch screen control panel  
(Pratika56MPE/56MPS)

Speed belts adjustable by inverter  
(in-feed / out-feed belt)

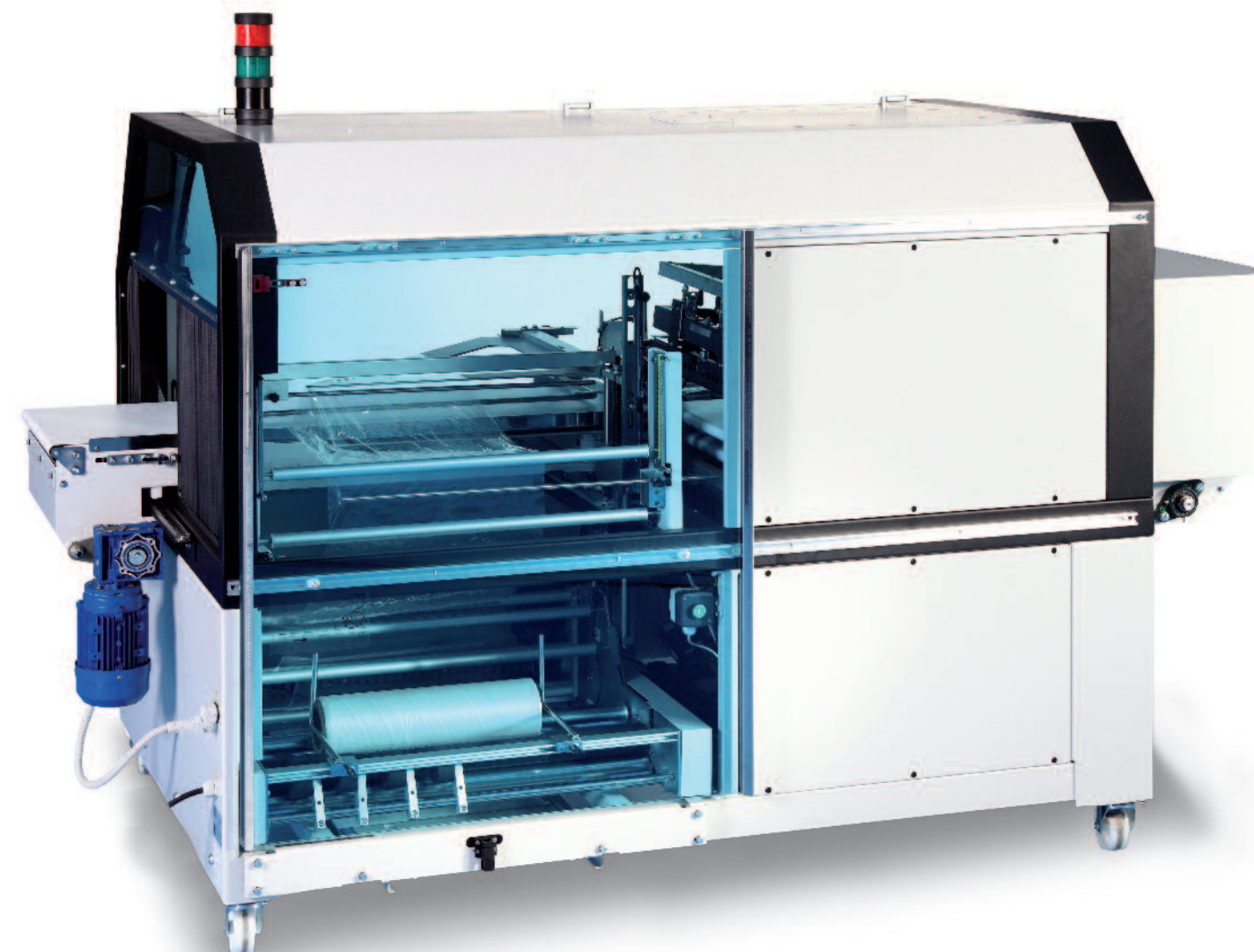
In-feed and out-feed electronic port to interface  
additional in-feed and out-feed belts

Standard conveyors in compliance  
with food regulations in force (FDA)  
and fully anti-static

Motorized waste film winder

Full waste film winder alarm device

Possibility to combine  
with shrinking tunnel



## STANDARD COMPONENTS

- All the wiring converges into the electric panel with an easy access for ordinary maintenance

## PHOTOCELLS

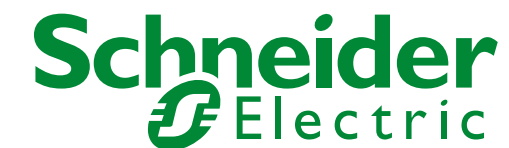
- 2 product reading photocells
- Printed film photocell
- End roll and end film photocell
- Product entry photocell
- Full waste film winder photocell

## THE MOST ADVANCED SERVO-ASSISTANCE IN MOVEMENT FOR:

- Power and high performances
- Compactness and strength
- Energy efficiency
- User-friendliness and easy maintenance
- Safety
- World-wide assistance

## SERVO DRIVE & SERVO MOTOR

- Lexium 32A starter, equipped with "Safe Torque Off" (IEC / EN 61800-5-2) safety function
- Low inertia brushless series BSH servo-motor studied for highly dynamic applications



## PROGRAMMABLE LOGIC CONTROLLER (PLC)

- Reliable and strong computer for industrial production management
- Touch-screen control panel
- Easy to be used 8-language display
- USB door for any software updating and maintenance operation
- Possibility to set-up 256 customizable and namable programs



# WELCOME ON BOARD WITH SCHNEIDER ELECTRIC TECHNOLOGY

## A PROMINENT PARTNER

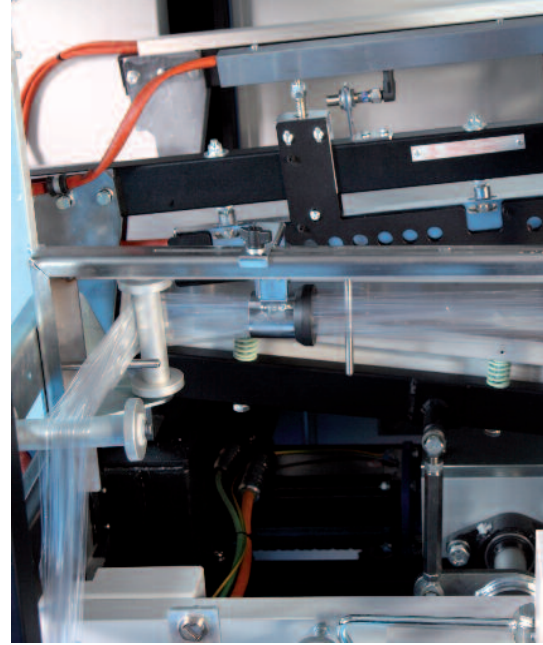
As a global specialist in energy management with operations in more than 100 countries, **SCHNEIDER ELECTRIC** offers integrated solutions across multiple market segments, including leadership positions in energy and infrastructure, industrial processes, building automation, and data centres/networks.

The world-wide presence of **SCHNEIDER ELECTRIC** means reliability. A high level professional distribution network providing products, spare parts, components and assistance is spread throughout all the 5 continents.

The choice of a **MINIPACK TORRE - SCHNEIDER ELECTRIC** partnership is a guarantee for **MINIPACK TORRE** machine users, since they can rely upon highly technological and up-dated products and upon an efficient assistance which provides time and costs saving in service.

[www.schneider-electric.com](http://www.schneider-electric.com)

# INNOVATION BRINGS CONCRETE ADVANTAGES



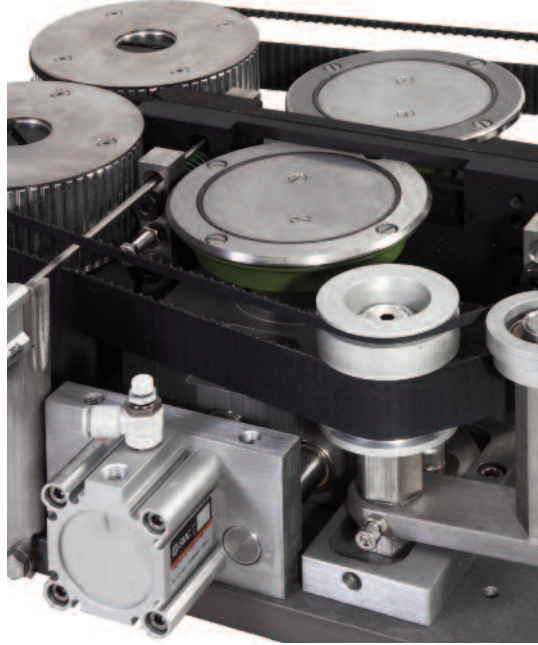
## CENTER SEALING

### WHAT IS IT FOR

Sealing system which allows the horizontal film sealing in the middle of the product

### ADVANTAGES

Aesthetically perfect packages and high quality sealing with any type of film



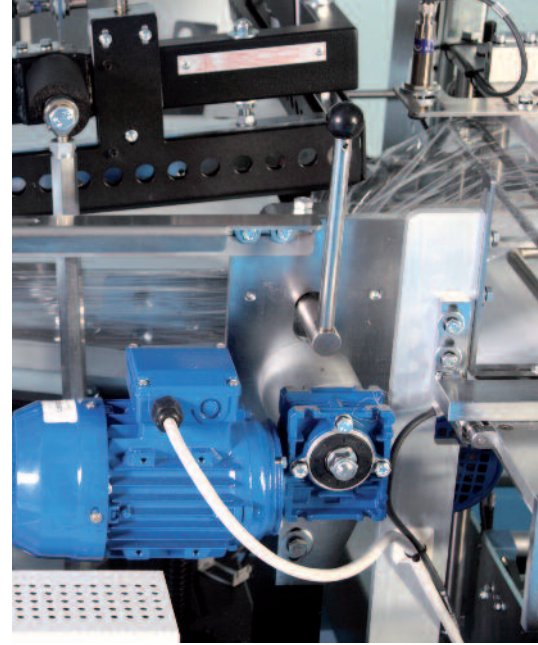
## SIDE SEALING SYSTEM

### WHAT IS IT FOR

It substitutes the classic L-sealing system

### ADVANTAGES

It is suitable for long products packaging: sealing area 400 mm x infinite (height up to 240 mm)



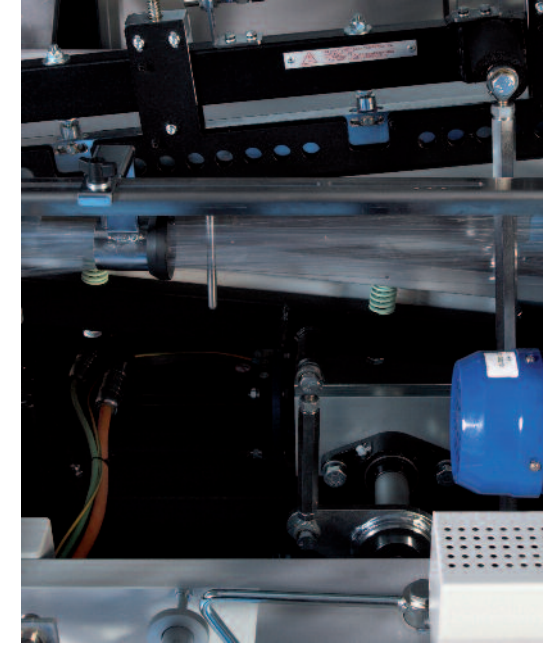
## ELECTRIC POWER SUPPLY ONLY

### WHAT IS IT FOR

No pneumatic connection is needed for the machine

### ADVANTAGES

Less maintenance, less noise, more energy saving



## BRUSHLESS MOTOR WITH SERVO-MOTOR (Schneider Electric)

### WHAT IS IT FOR

it substitutes the pneumatic movement of the sealing unit

### ADVANTAGES

Comparing to the pneumatic supply it guarantees a more precise film sealing and a high output (up to 60 pcs /min)



## SELF-ADJUSTMENT

### WHAT IS IT FOR

To auto set-up the height of the triangles and the sealing bar in relation to the product height

### ADVANTAGES

The parameters selection without the operator action makes the set-up more precise and easier in any machine start-up



## KISSING BELT SYSTEM

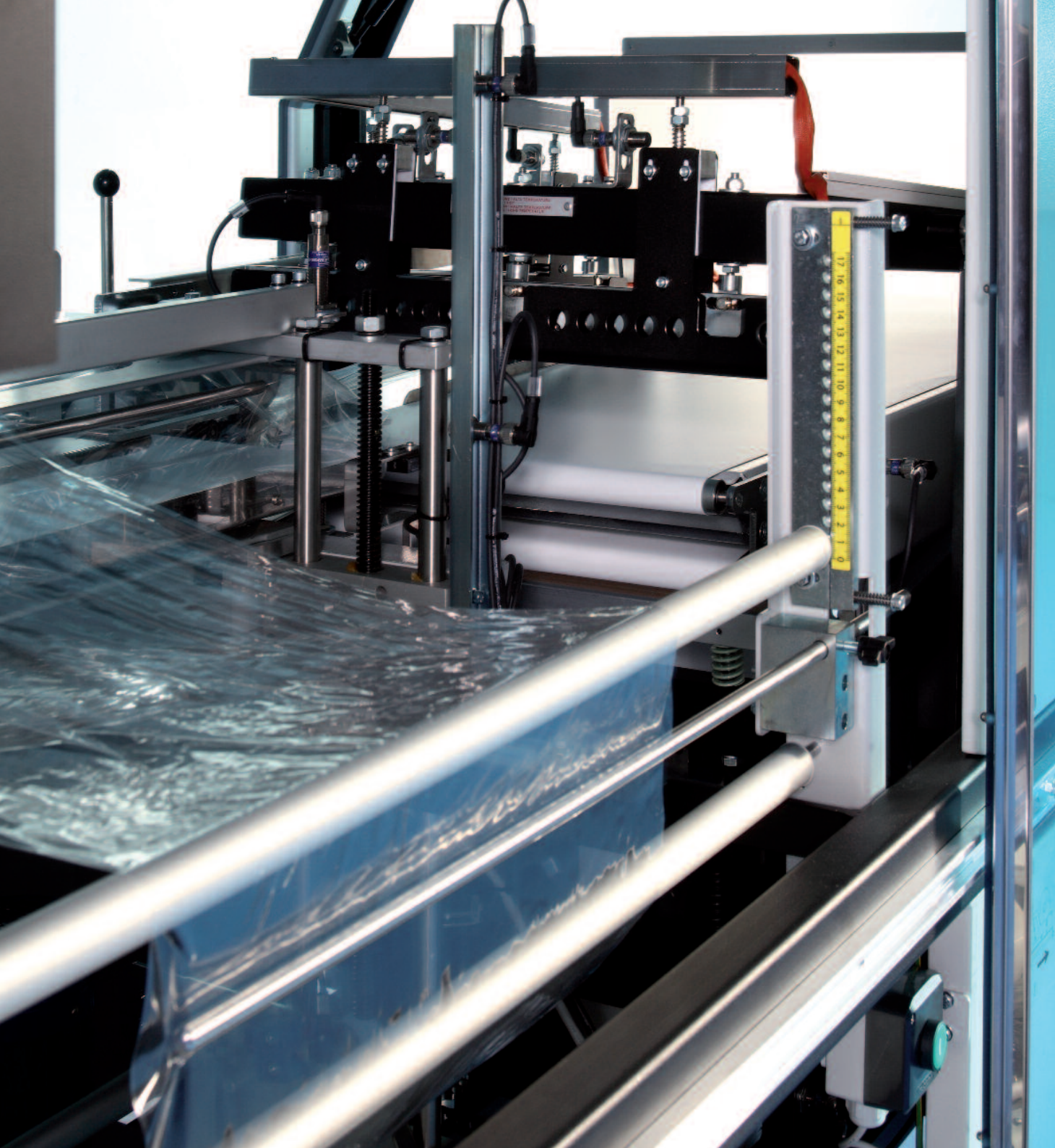
### WHAT IS IT FOR

To adjust the belts distance upon the sealing parameters set-up.

### ADVANTAGES

It allows to package easily also small size products



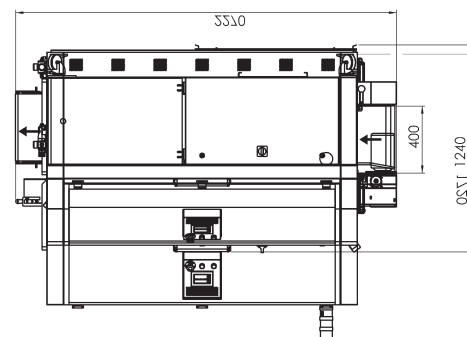
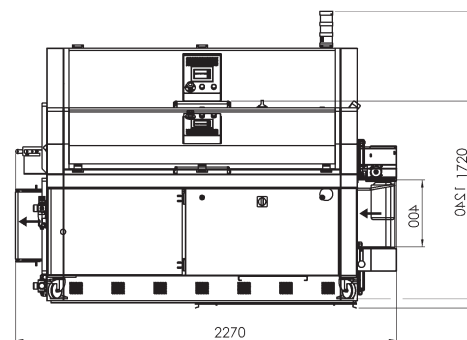


## OPTIONAL

Kissing belts *
Printed film photocell
End film and end film roll photocell
Photocell reading the product on the in-feed conveyor
Pressure adjuster **
Film perforator
Pedal control
Possibility to combine with shrinking tunnel

\* PRATIKA 56 MPE - 56 MPS

\*\* PRATIKA 56 - 56 CS



## TECHNICAL DATA

		PRATIKA 56	PRATIKA 56 CS	PRATIKA 56 MPE	PRATIKA 56 MPS
Power supply	V	230 1 Ph	230 1 Ph	230 1 Ph	230 1 Ph
Supply		pneumatic	pneumatic	only electric power supply	only electric power supply
Max. power	Kw	2,5	2,5	3	3
Output per hour	pz/h	0-2400	0-2400	0-3600	0-3000
Sealing bars dimensions	mm	600 x 400	600 x 400	600 x 400	unlimited x 400
Max. film roll dimensions	mm	Ø300 x 700	Ø300 x 700	Ø300 x 700	Ø300 x 700
Max. product dimensions	mm	400x160x lenght 600	400x240x lenght 600	400x240x lenght 600	400x240x lenght unlimited
In-feed belt height	mm	870	870	870	870
Machine dimensions (with open hood)	mm	2485 x 1245 h. 1900	2485 x 1245 h. 1900	2485 x 1245 h. 1900	2485 x 1245 h. 1900
Machine dimensions (with closed hood)	mm	2485 x 1245 h. 1715	2485 x 1245 h. 1715	2485 x 1245 h. 1715	2485 x 1245 h. 1715
Packed machine dimensions	mm	2940 x 1440 h. 1985	2940 x 1440 h. 1985	2940 x 1440 h. 1985	2940 x 1440 h. 1985
Machine weight (net/gross)	Kg	671/721	724/774	763/813	763/813

## FEATURES

	PRATIKA 56	PRATIKA 56 CS	PRATIKA 56 MPE	PRATIKA 56 MPS
Center Sealing	not available	standard	standard	standard
Kissing Belt	standard	standard	optional	optional
PLC Schneider Electric with touch screen display with 256 customisable programs	standard	standard	standard	standard
Pneumatic supply	60 lt/min	60 lt/min	no	no
Electric power supply	no	no	yes	yes
Sealing System	L-sealing	L-sealing	L-sealing	Side sealing
Packages height	mm	from 0 to 160	from 0 to 240	from 0 to 240



TUNNEL 50



TUNNEL 50 TWIN



TUNNEL 70

# TUNNEL 50 TUNNEL 50 INOX TUNNEL 50 TWIN TUNNEL 70

**FLEXIBLE AND  
UPDATED SOLUTIONS  
TO GET THE BEST  
PACKAGING**

## TECHNICAL DATA

		TUNNEL 50	TUNNEL 50 TWIN	TUNNEL 70
Power supply	V	200/208/220/380/415/440	200/208/220/380/415	200/208/220/380/415
Power max.	Kw	7	14	14
Conveyor speed	m/min	1 2 5 12	2 10 24	1 5 12
Max product dimensions	mm in	380x220 lg.700 14.96x8.66 lg. 27.56	380x220 lg.1140 14.96x8.66 lg.44.88	500x350 lg.800 19.69x13.78 lg31.50
In-feed working belt height	mm in	860/890 33.86/35.04	930/960 36.61/37.80	845/875 33.27/34.45
Out-feed working belt height	mm in	860 33.86	930 36.61	845 33.27
Machine dimensions	mm in	1280x850 h.1470 50.39x33.46 h.57.87	1725x800 h.1535 67.91x31.50 h.60.43	1820x1200 h.1640 71.65x47.24 h.64.57
Packed machine dimensions	mm in	1390x850 h.1640 54.72x33.46 h.64.57	1930x980 h.1745 75.98x38.58 h.68.70	2030x1230 h.1830 79.92x48.43 h.72
Machine weight (net/gross)	Kg pound	188/228 414/502	260/318 572/700	415/483 913/1063
Tunnel entrance dimension	mm in	440x240 17.32x9.45	440x240 17.32x9.45	680x380 26.77x14.96

## FEATURES

- Manual regulation of conveyor height
- Digital display with 9 storable programs
- Selection of self rotation of conveyors rolls
- Double air flap
- Auto switch-off
- Exit roll conveyor
- Two independent heating rooms

## OPTIONAL

- Plexiglas thermal protections at the inlet and outlet of the tunnel
- Teflon belt
- Metal belt

