



Headquarters Production & Technical Base

Sanayi Mah. Namzet Sok.11
İzmit 41100 Kocaeli, Turkey
T: +90-262-335-3320
F: +90-262-335-3319

icm@icmmakina.com

**European Office
OPTIMAL ENGINEERING**

Dusseldorf, Germany
T: +49-211-350-754
F: +49-211-351-865

eren@optimalgermay.de

**Russian Office
OOO. MAKINA**

Moscow, Russia
T: +792-615-92-913
F: +792-615-92-913

nizamik@mail.ru

**East Asia
ROYVIEW ENTERPRICE**

Taichung, Taiwan, ROC
T: +886-4229-25-083
F: +886-4-229-90-846

shihjungcheng@163.com

**Skandinavia
GRAAFINEN KONE OY**

Helsinki, Finland
T: +358-9-777-1900
F: +358-9-777-1970

gk@graafinenkone.fi

**South America
GLOBEX TRADING**

Guayaquil, Ecuador
T: +593-4-2110060
F: +593-4-2110195

logistica@glo-trading.com

Our R&D team focused on efficiency, affordability, reliability research and applies the research findings to the creation of new or significant improved products and processes. To achieve efficiency and accelerate time to market our engineers and designers work on every product comprehensively.

ICM is a tissue converting solutions company in Turkey with its own design team. We build machinery to customer specification and provide unparalleled maintenance and after sales support with highly skilled technicians. We have the capability to plan and implement manufacturing strategies for customers seeking to develop their own factory lines.

ICM focuses on total production planning. Conventional manufacturing processes have the potential of producing high quality parts in simple, flexible yet inexpensive way. ICM production team's aim to support the research, development and implementation on the engineering processes as well as systems for mechanical or electromechanical technologies. Our focus lies on the process itself and machine technology to maintain a timely production with highest precision.



Beginning with the enterprising initiative of its founder Hayrettin Ulusoy, this family business has continued to convert paper since 1967. With vast experience in the tissue converting sector.

ICM Ltd was established by the second generation of the family in 1995.

The company initially started out by manufacturing paper converting machinery. It went on to design and build machines to produce printed paper napkins and has fully automatic manufacturing lines for toilet tissue, paper towel and napkins. This gradual and progressive path eventually took ICM up to top international.

Our goals are;

- * To correctly understand customer needs, expectations and fulfil them on time.
- * To improve ourselves and our products with continuous training, research and development.

ICM provides maintenance for and improvements on any tissue converting machinery, as well as manufacture spare parts. We respond quickly and thoroughly to all requests.



Administration & Production Facilities
7000 sqm.
Izmit, Kocaeli TURKEY

DUO-S

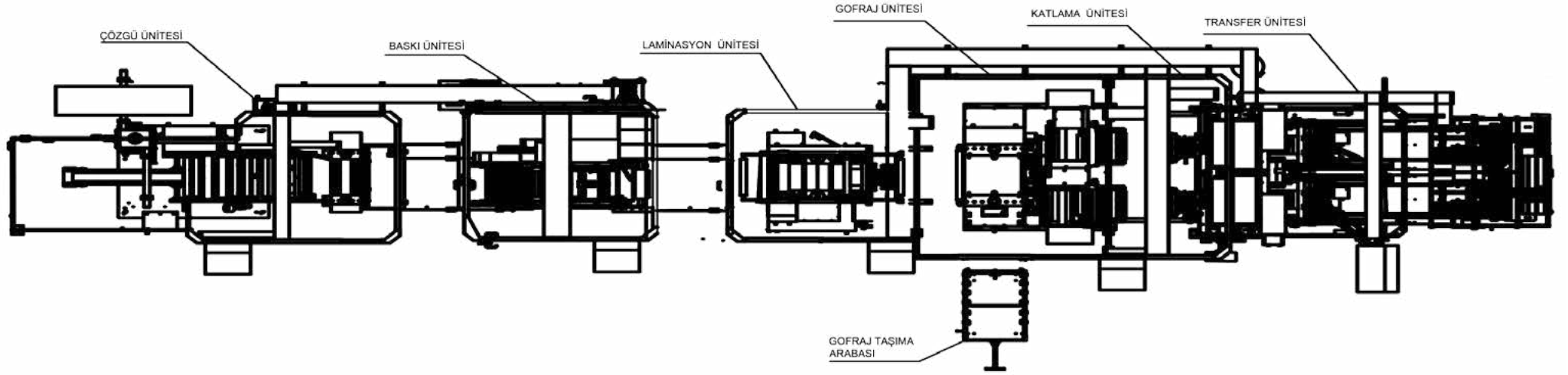


550 mpm

Perform: 240 mm to 400 mm

Cassette size change system





Duo and Duo-S specifically designed for the printing, embossing and folding of napkin from a reel. Innovative double head cassette system reduce to minimum down time of machine during size change. "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. Smart separation system, high speed folding and double transfer units are remarkable features of DUO and DUO-S NAPKIN PRODUCTION LINE.

Additional options:

Lamination unit
Lotion system
Printing up to 6 colour
Calendering unit

Maksimum Machine Speed : 550 meter per minute

Formats to Perform: 240 mm to 400 mm

Smart separation system height of napkins: 18-220 mm

Double head folding system

Cassette size change system

Servo driven

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C or D

pneumatics by **FESTO**

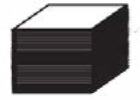
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HARMONY

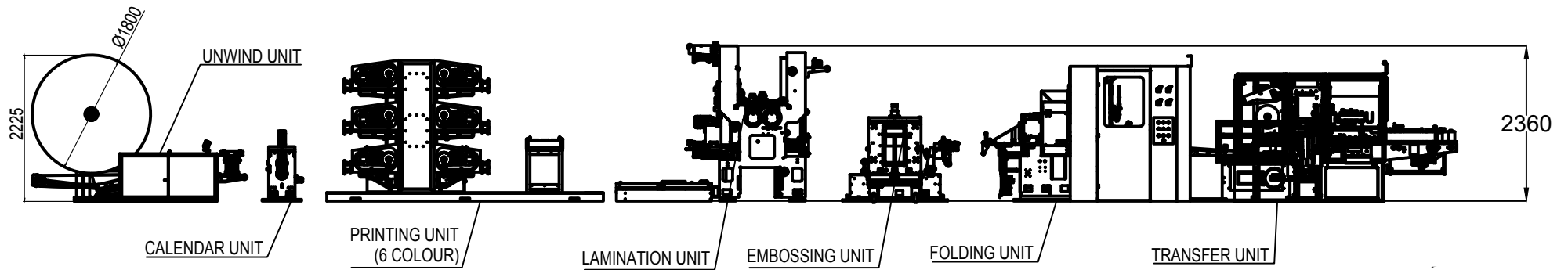


550 mpm

Perform: 240 mm to 400 mm

Cassette size change system





Harmony and Harmony-S specifically designed for the printing, embossing and folding of napkin from a reel. Innovative double head cassette system reduce to minimum down time of machine during size change. "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. Smart separation system, high speed folding and transfer unit are remarkable features of HARMONY AND HARMONY-S NAPKIN PRODUCTION LINE.

Additional options:

- Lamination unit
- Lotion system
- Printing up to 6 colour
- Calendering unit

Maksimum Machine Speed : 550 meter per minute
 Formats to Perform: 240 mm to 400 mm
 Smart separation system height of napkins: 18-220 mm
 Single head folding system
 Cassette size change system
 Servo driven
 ALLEN BRADLEY automation systems
 CE standard is EC2006/42 safety category C or D

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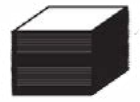
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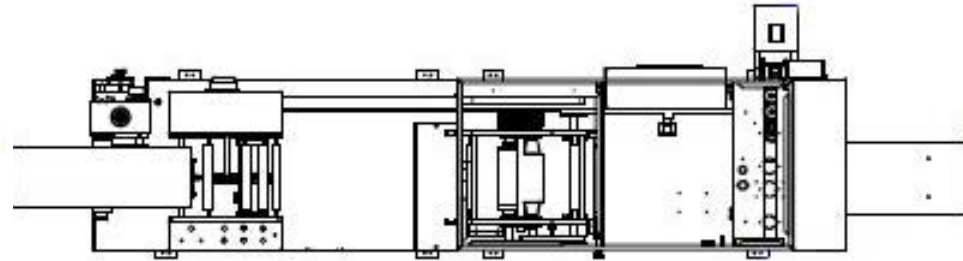
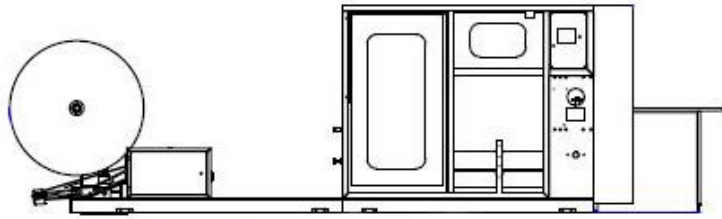
SIMPLEX



450 mpm

Perform: 240 mm to 400 mm





Simplex designed for the printing, embossing and folding of napkin from a reel.

Fullface or border embossing can be performed. Simplex is an economical line and best choice for new investors in converting sector. 1/4, and 1/8 folding sizes are suitable for Simplex.

Additional options:

- Lamination unit
- Lotion system
- Printing up to 6 colour
- Calendering unit
- 1,2 or 3ply

Maksimum Machine Speed : 450 meter per minute

Formats to Perform: 240 mm to 400 mm

Machine Type: Electromechanical

Servo driven

Installed Power : 5 KW

Air Pressure: 6 Bar

Compressed air requirement: 200 NI/minute

Noise: Less than 80 DbA

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

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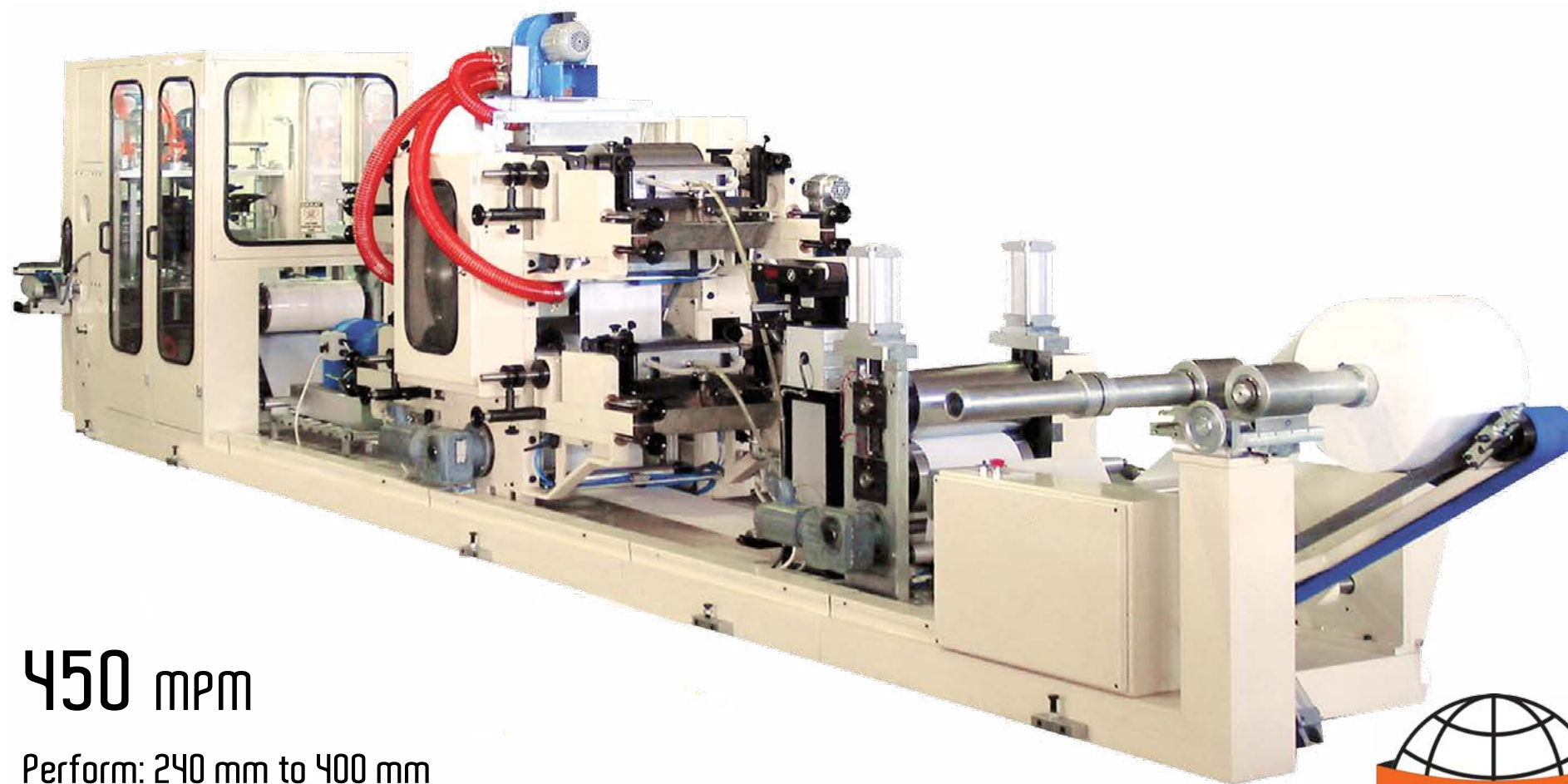
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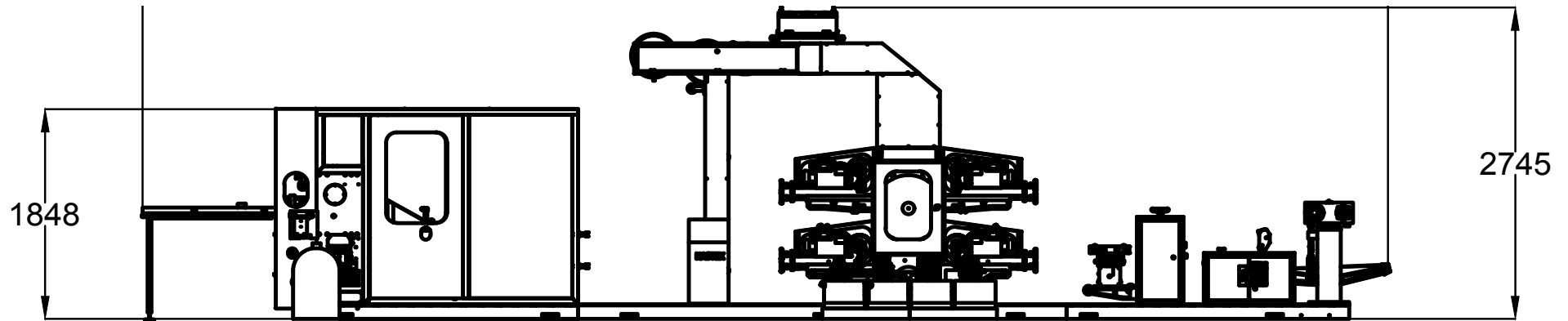
SENSE



450 mpm

Perform: 240 mm to 400 mm





Sense designed for the multi colour printing, embossing and mechanical folding of napkin from a reel. Up to 6 colour option allows you vary between in many different colours. Innovative double embossing and lamination unit is equipped with acid engraved steel roll, full and border embossing and air sleeves. Print registration control system, easy change Dr. Chamber and up to 400 meter high speed remarkable fetures of Sense.

Maksimum Machine Speed : 400 meter per minute

Formats to Perform: 240 mm to 400 mm

Up to 6 colour printing

Seruo driven

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

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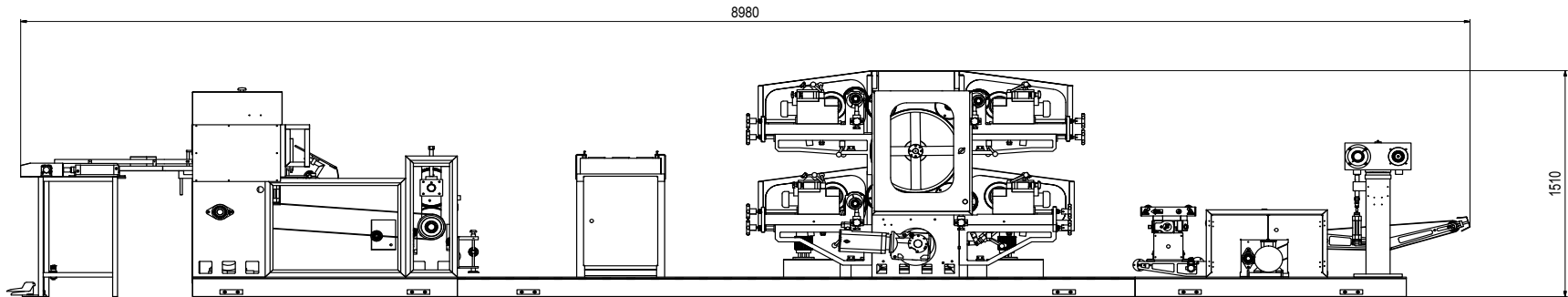
BISTRO



1200 SHEETS PER MINUTE

Folding size 12+8,5--8,5 cm





Bistro specifically designed for the logo printing, embossing and folding of dispenser napkin from a reel. 1/4, 1/6 and 1/8 folding sizes are suitable for Bistro. Bistro is an economical line. Mechanical folding head, high speed performance, fullface embossing and border embossing are remarkable features.

Additional options:

Lamination unit
 Printing up to 4 colour
 Calendering unit

1,2 or 3 ply

Maksimum Machine Speed : 1200 sheets per minute

Max reel diameter 1200 mm

Steel to paper Embossing

Folding size 12+8,5--8,5 cm

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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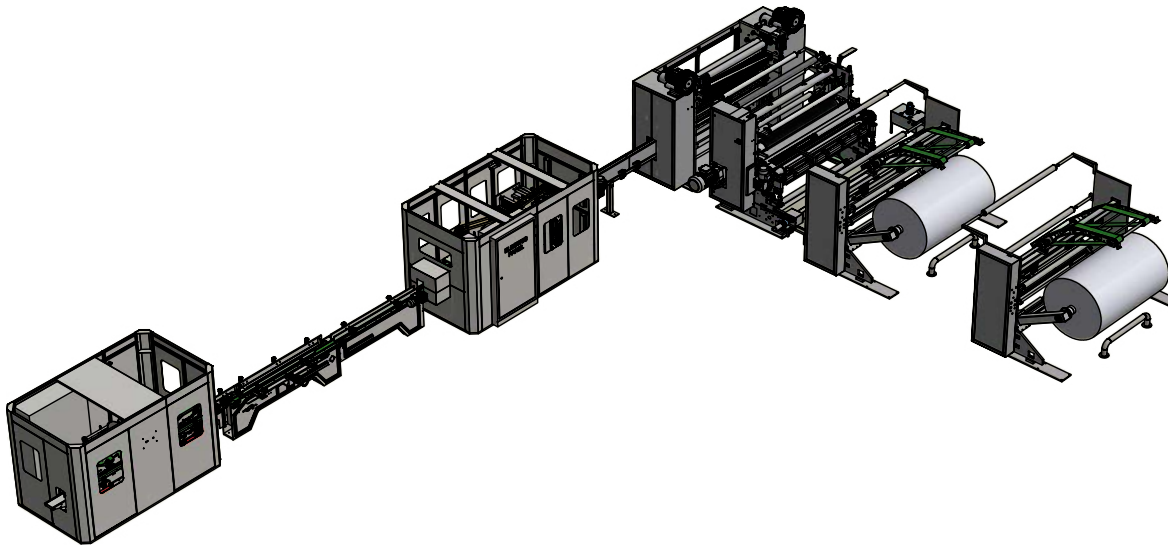
ZENITH



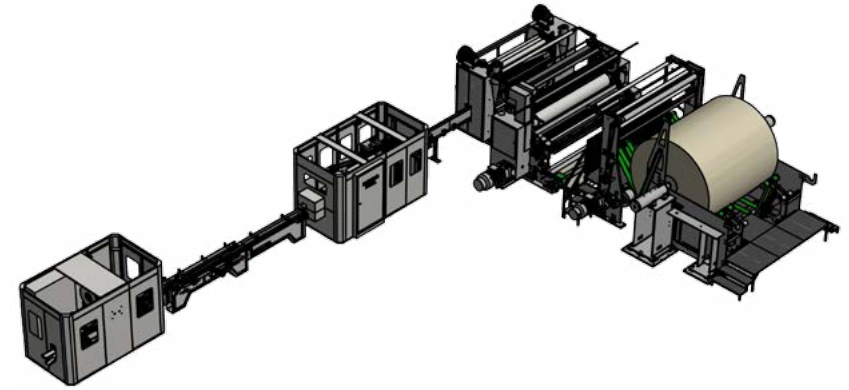
200 mpm

6 LINES, 9 LINES, 13 LINES





Zenith specifically designed for the embossing and multi folding of tissue paper from a reel into Z-fold interfolded final products. Zenith Profesional Multi-fold Production line available in 6, 9 and 13 lines. "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. Smart separation system, high speed folding and transfer units, innovative Craft-Wrapper and high speed log saw are remarkable features of ZENITH DISPENSER TOWEL PRODUCTION LINE.



Maksimum Machine Speed : 200 meter per minute
 Performance : 6 lines, 9 lines and 13 lines
 One operator need
 Multi line folding system
 Servo driven
 Package Quantity: 80-200 pieces
 Total Power: < 70 KW
 ALLEN BRADLEY automation systems
 CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

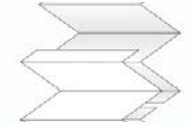
Automation systems by **Allen-Bradley**



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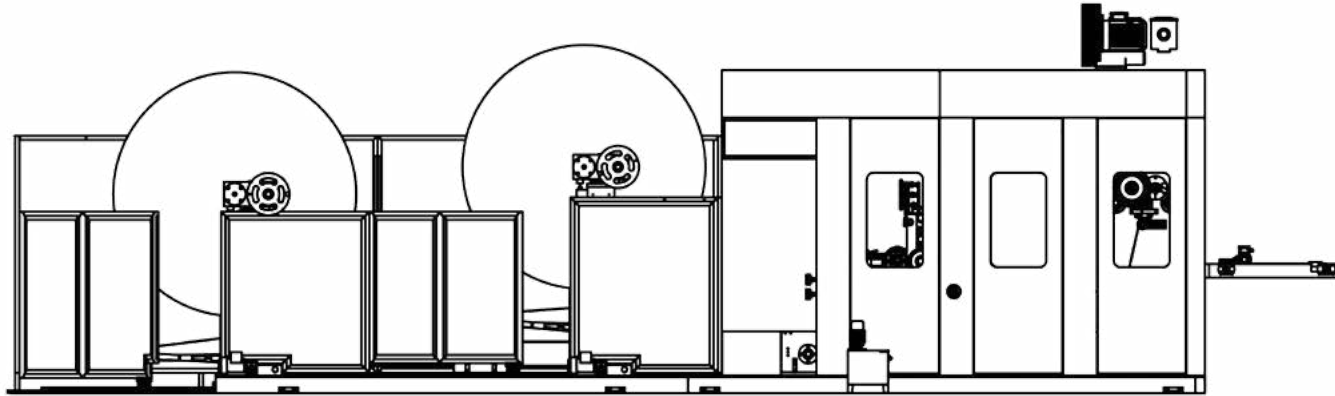
ZETA



150 mpm

2 LINES and 3 LINES





Zeta specifically designed for the, embossing and multi folding of tissue paper from a reel into Z-fold interfolded final products. Zeta economical Multi-fold Production line available in 2 and 3lines. "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. Clean-cut; band saw cutting system.

Maksimum Machine Speed : 150 meter per minute

Performance : 2 lines and 3 lines

One operator need

Multi line folding system

Servo driven

Package Quantity: 80-200 pieces

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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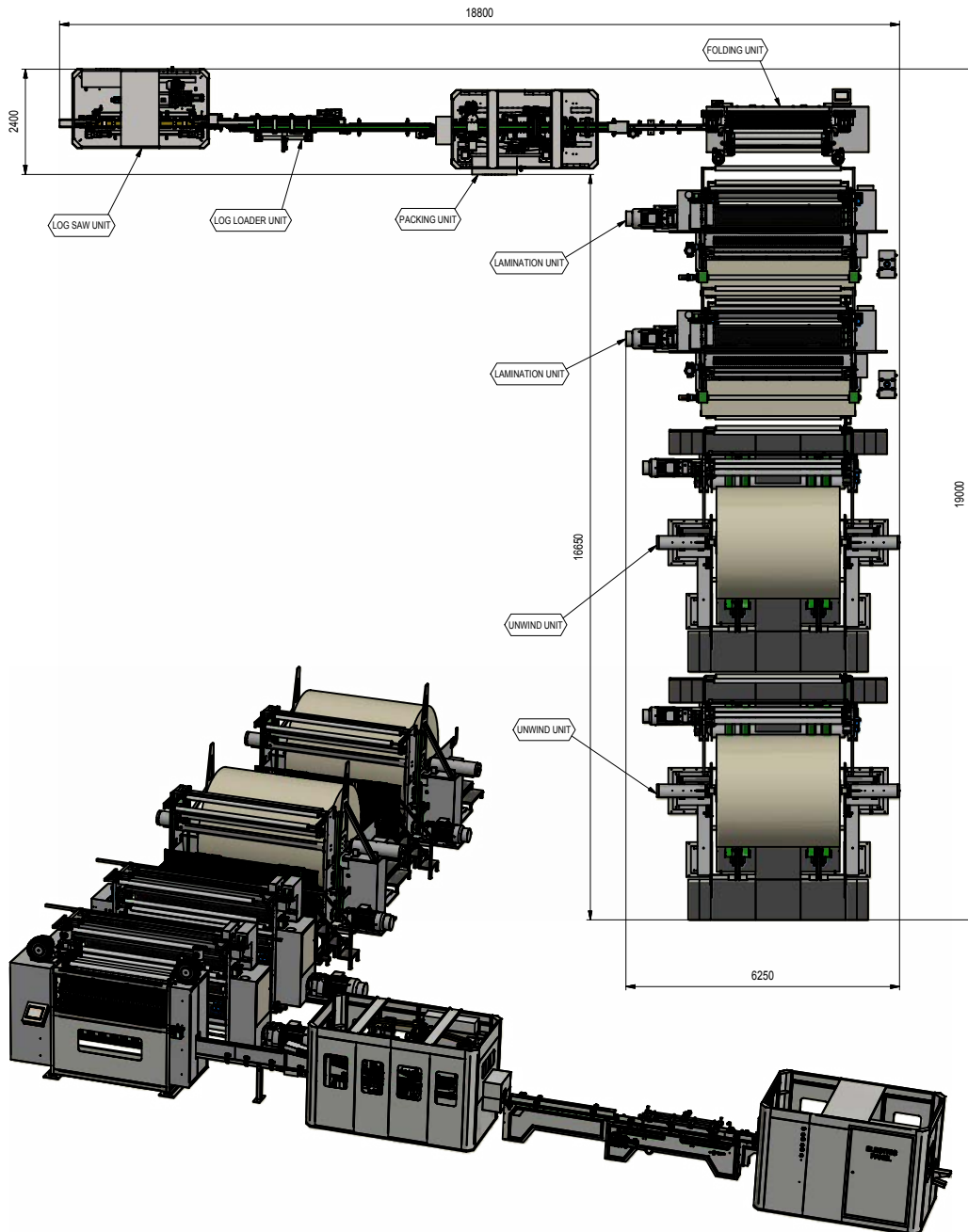
VENUS



120 mpm

6 LINES, 9 LINES, 13 LINES





Uenus specifically designed for the, embossing and multi folding of tissue paper from a reel into U-fold interfolded final products. Uenus Professional Multi-fold Production line available in 6, 9 and 13 lines. "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. Smart separation system, high speed folding and transfer units, innovative Craft-Wrapper and high speed log saw are remarkable features of UENUS DISPENSER TOWEL PRODUCTION LINE.

Maksimum Machine Speed : 120 meter per minute

Performance : 6 lines, 9 lines and 13 lines

One operator need

Multi line folding system

Servo driven

Package Quantity: 80-200 pieces

Total Power: < 120 KVA

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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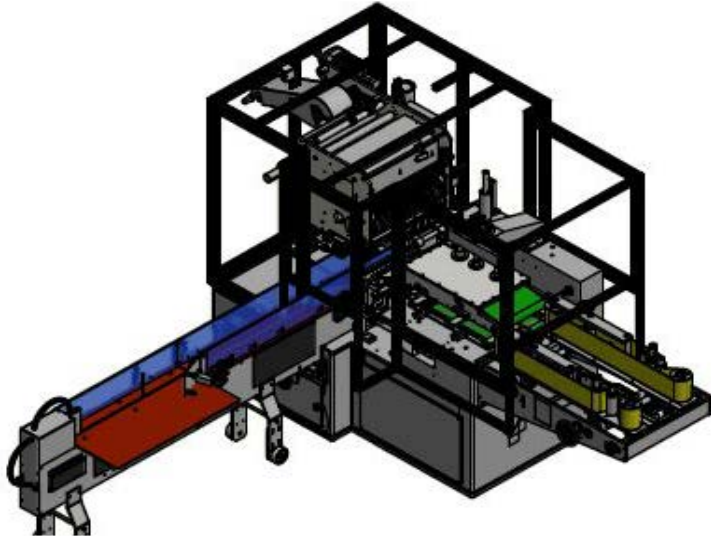


PACK 400

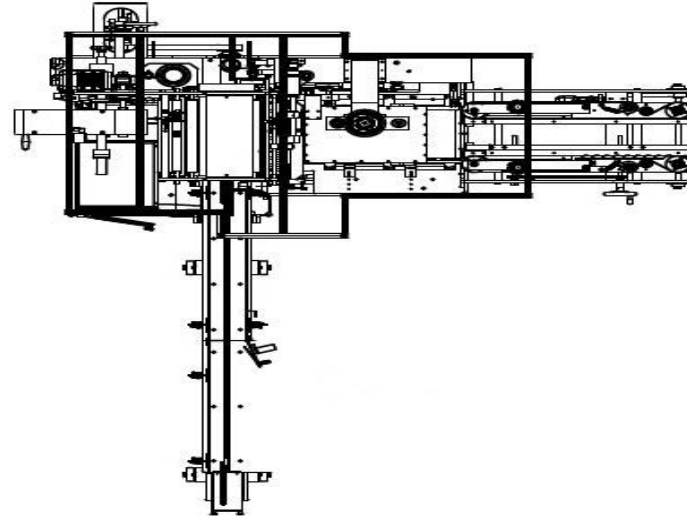


45 PACKS PER MINUTE





Pack-400 specifically designed for the wrapping 1/4, 1/6 or 1/8 folded napkins by a continuous film. Simplex, Duo, Duo-S, Harmony and Sense are suitable for Pack-400. The feeding conveyor, the film cutting blade, film holes punching, form-fill-seal and the film feeding are controlled by a servo motor. It is highly efficient, easily operated and high flexibility with fast format changeover. Convenient maintain and cost-effective. Innovative functions: overflow product jam avoidance, electronic correction, motion speed auto function, tissue over length protection, tissue over width protection, magnetic clutch protection and heat resistant belt protection.



Maksimum Machine Design Capacity : 45 pack per minute

Pack Size : min 20 mm to max 125 mm

Machine type: Automatic and electronic

Servo driven

ALLEN BRADLEY automation systems

Air Pressure: 6 BAR

Power need: 8,5 KVA

Compressed Air need: 400 l/min

Noise: 80 DbA

Packaging material: PE-OPP-CPP

pneumatics by **FESTO**

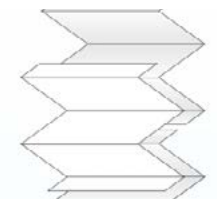
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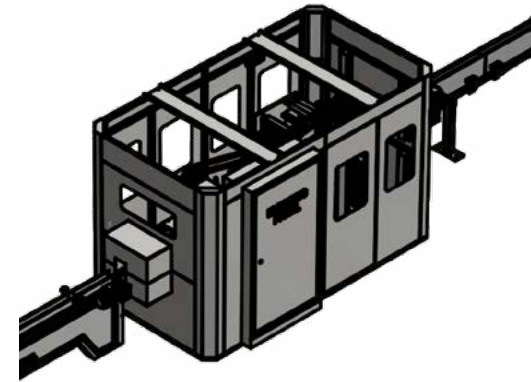


CRAFT WRAPPER



8 LOGS PER MINUTE





Craft-wrapper specifically designed for the wrapping Z and U interfolded dispenser towels. Automated carried logs come into the craft wrapper machine. Upper and lower conveyors are controlled by A/C motor. Air shaft system innovated for craft reels. The tension of the craft reels for each unwind unit controlled by ballerina. Air cylinders control pulley cylinders for each craft web. Can be integrated with any folders. Plug-in and ready to work. Does not require any special installation. Internet connection function for maintenance.

Additional options:

A/C and SERVO

Maksimum Machine Speed : 8 logs per minute

Perform: 80 mm to 200 mm

Hot melt unit

Craft paper reel diameter: 350 mm

Servo driven

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

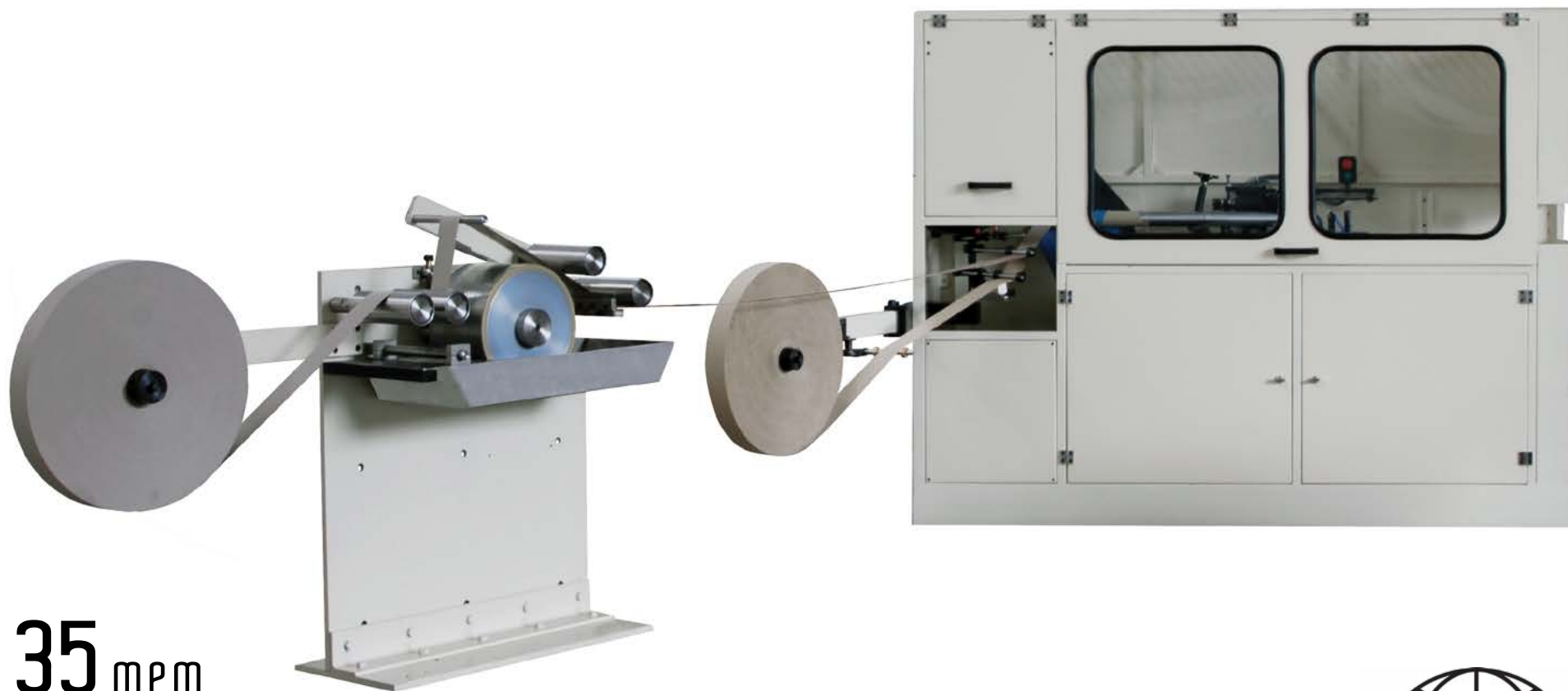
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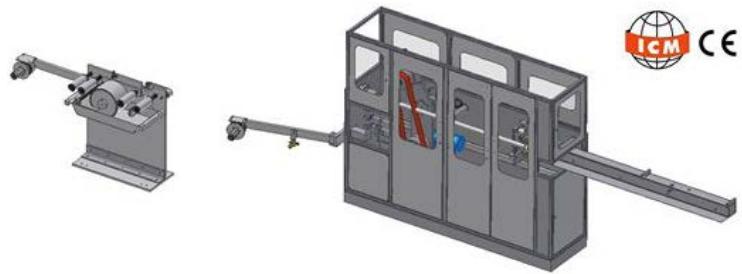
TUBER



35 mpm

CORE LENGHT 50 mm-2750 mm

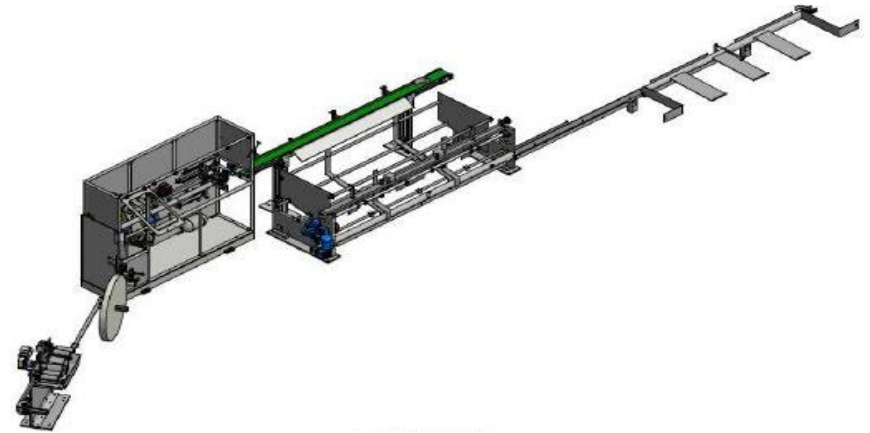




Tuber m-50 and m-80 automatic core machinery are able to synchronically cut the cores, featuring of high speed energy sauing and nice winding profiles for toilet paper, inner pull towel or any other HHP or AFH rolled tissue product.

options:

A/C Motor
 Servo Motor
 1,2,3,4 or 5 ply core



Maksimum Machine Speed : 35 meter per minute

Core diameter: 40 mm to 100 mm

Core lenght: 50 mm-2700 mm

Power:5 Kwa

Weight:1200 kg

Servo driuen

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

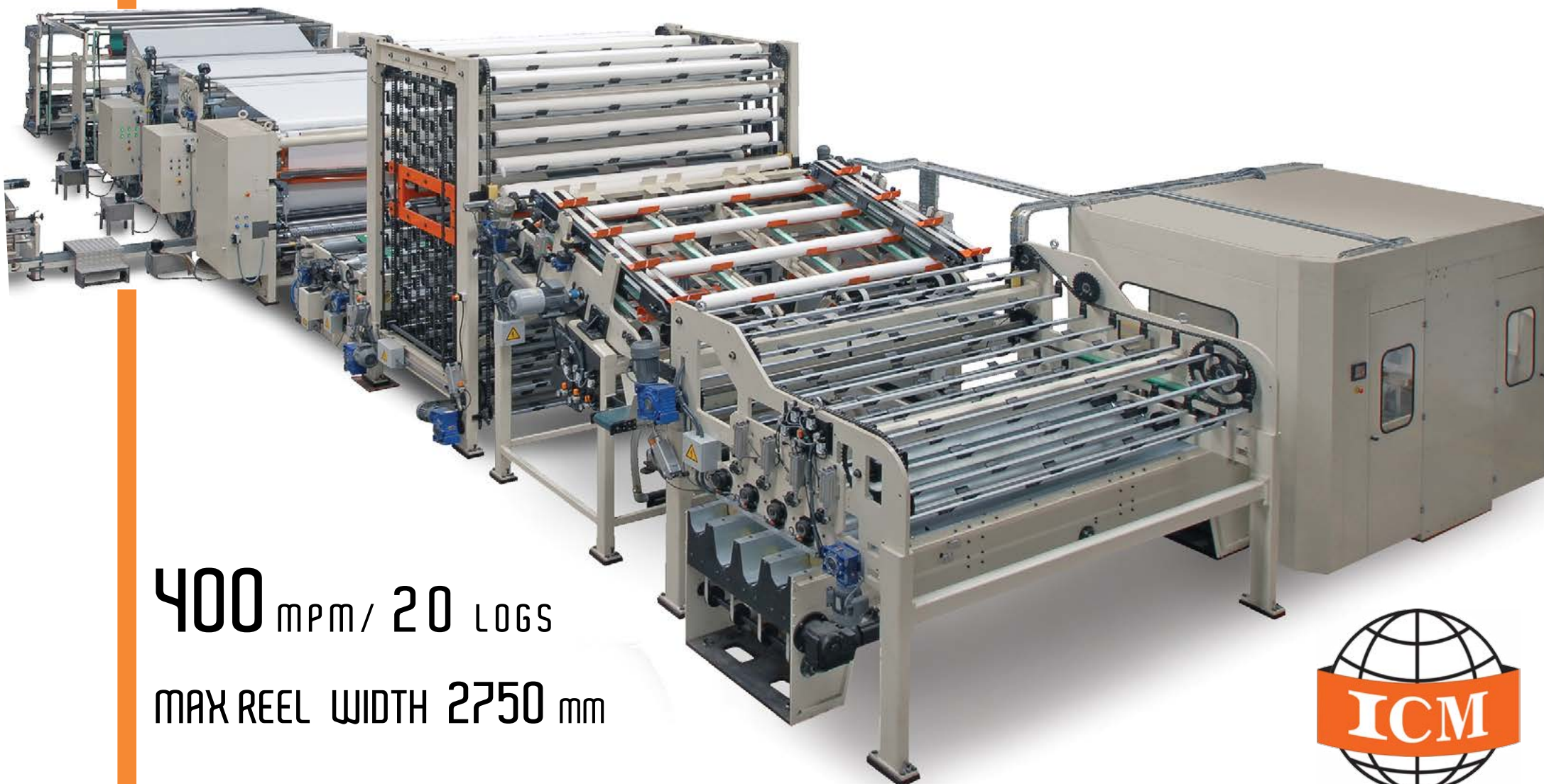
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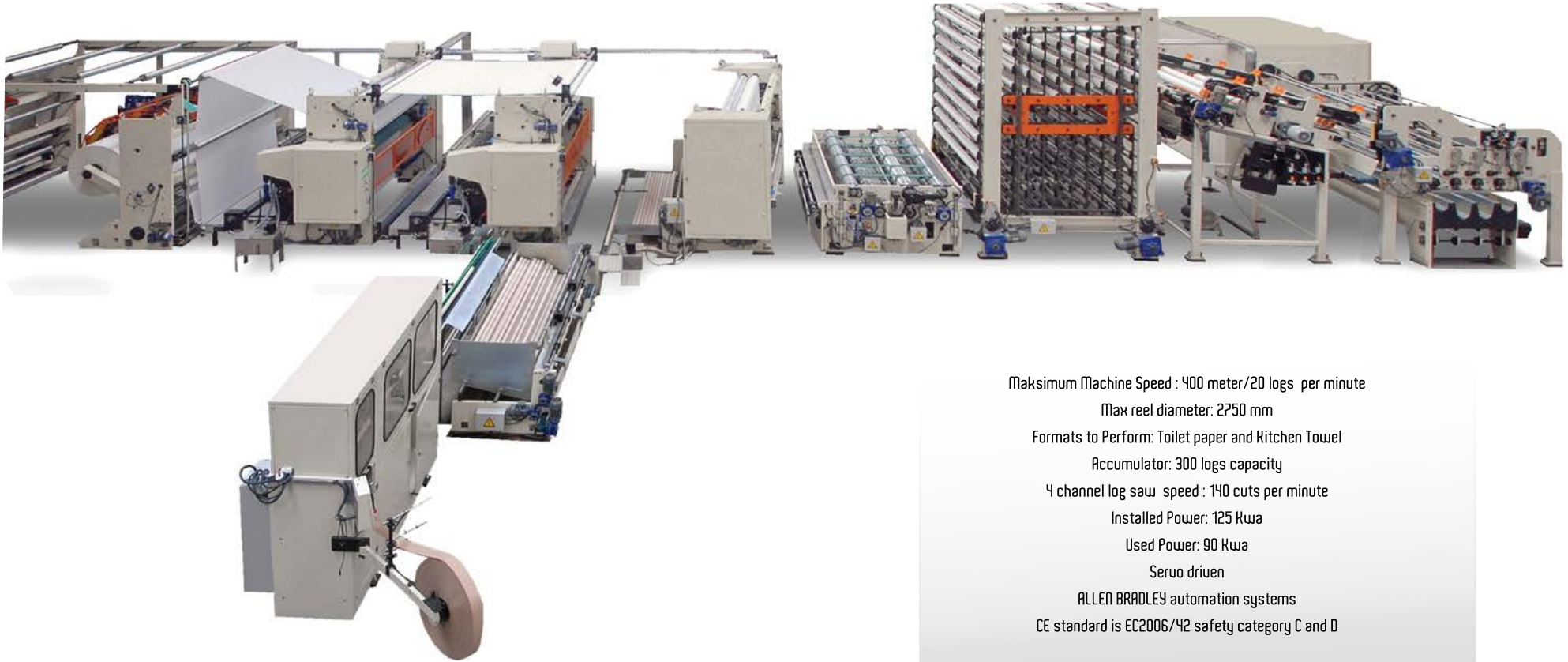
ALPHA



400 mpm / 20 LOGS

MAX REEL WIDTH 2750 mm





Maksimum Machine Speed : 400 meter/20 logs per minute
 Max reel diameter: 2750 mm
 Formats to Perform: Toilet paper and Kitchen Towel
 Accumulator: 300 logs capacity
 4 channel log saw speed : 140 cuts per minute
 Installed Power: 125 Kwa
 Used Power: 90 Kwa
 Servo driven
 ALLEN BRADLEY automation systems
 CE standard is EC2006/42 safety category C and D

Alpha Professional production line specifically designed for the embossing and re-winding of tissue paper from a reel. "Connect-it" - feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. "Matchless silence" -high speed silent embossing and silent winding innovations bring production line one step forward. Line contains two unwind units for max 2750mm tissue reel. Innovative lamination, embossing and rewinding units allow to get best results. New tail sealer and accumulator units are followed by a 4 channel log saw.

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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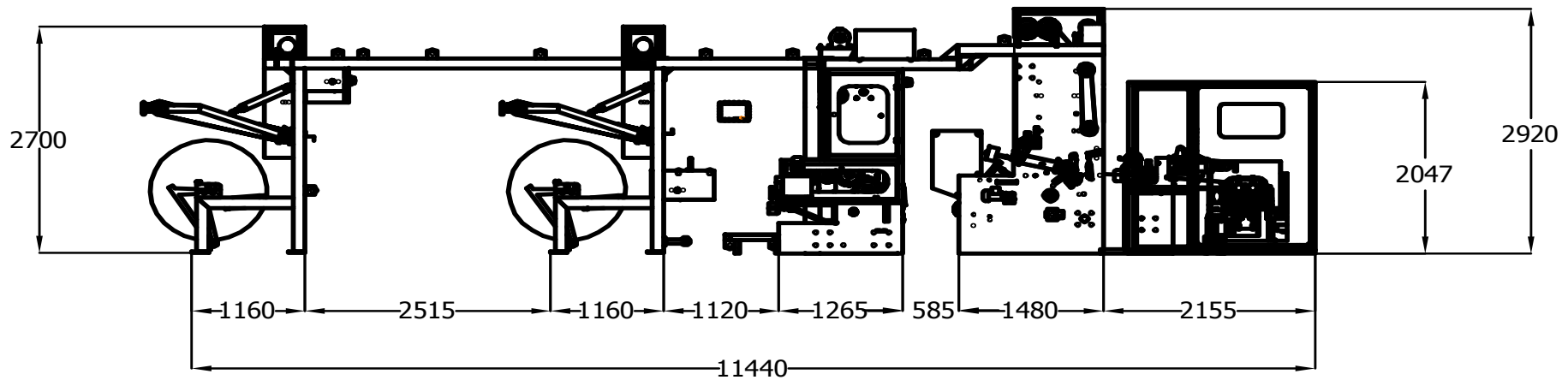
TKL



200 mpm / 8 LOGS

REEL WIDTH 1600 mm-1900 mm





TR L is one of milestone of ICM MACHINERY. High speed work performance, innovated lamination and embossing technologic bring the line one step forward. High speed rewinding, new generation tail sealing system, high capacity storage of accumulator are remarkable features. Two line Swift log saw complete the production line.

Additional options:

Lamination unit
 Lotion system
 Calendering unit

1,2 or 3 ply

Maksimum Machine Speed : 200 meter / 8 logs per minute

1600 mm or 1900 mm

Servo driven

Double lamination

Colour printing

ALLEN BRADLEY automation systems

CE standard is EC2006/42 safety category C and D

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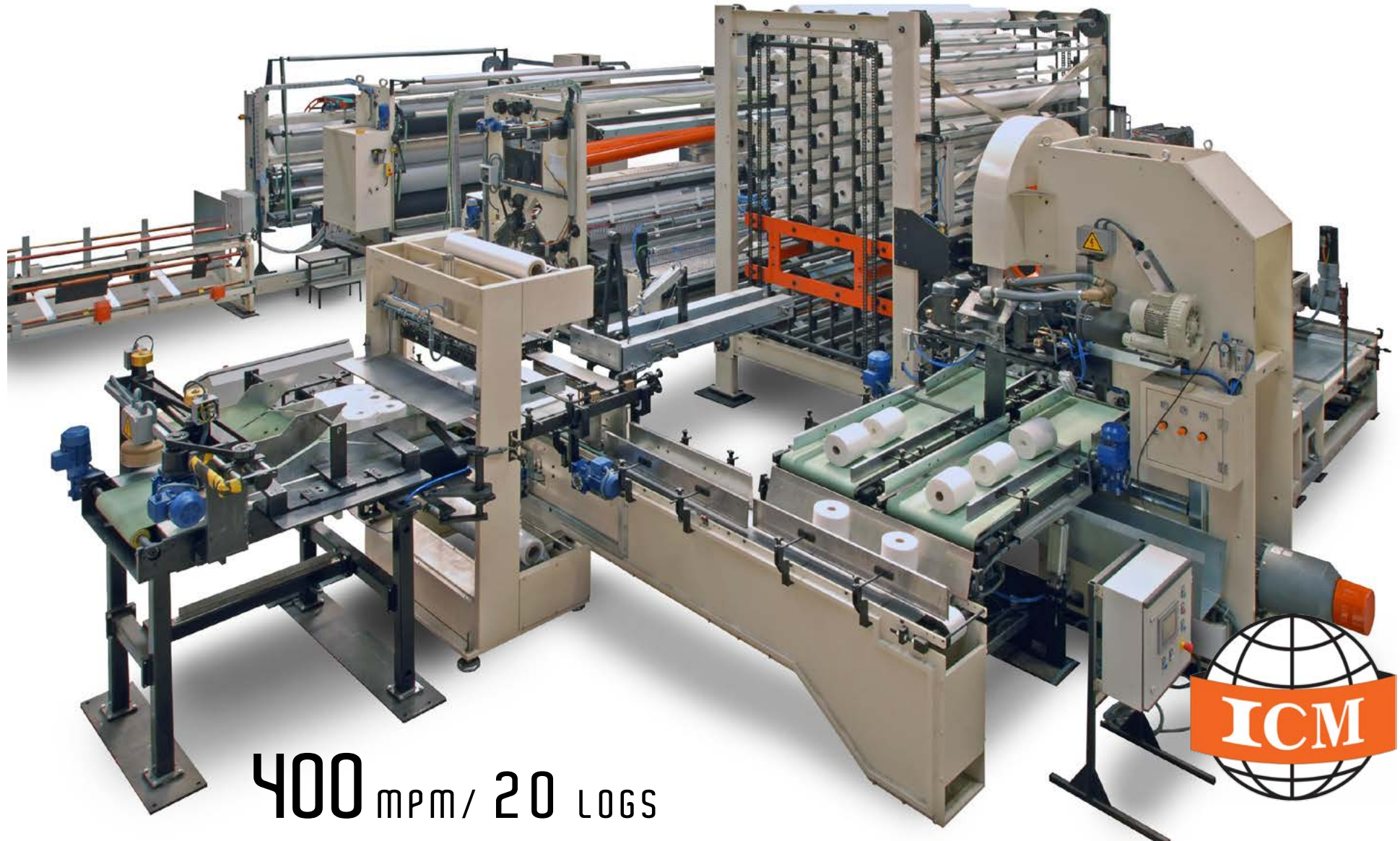
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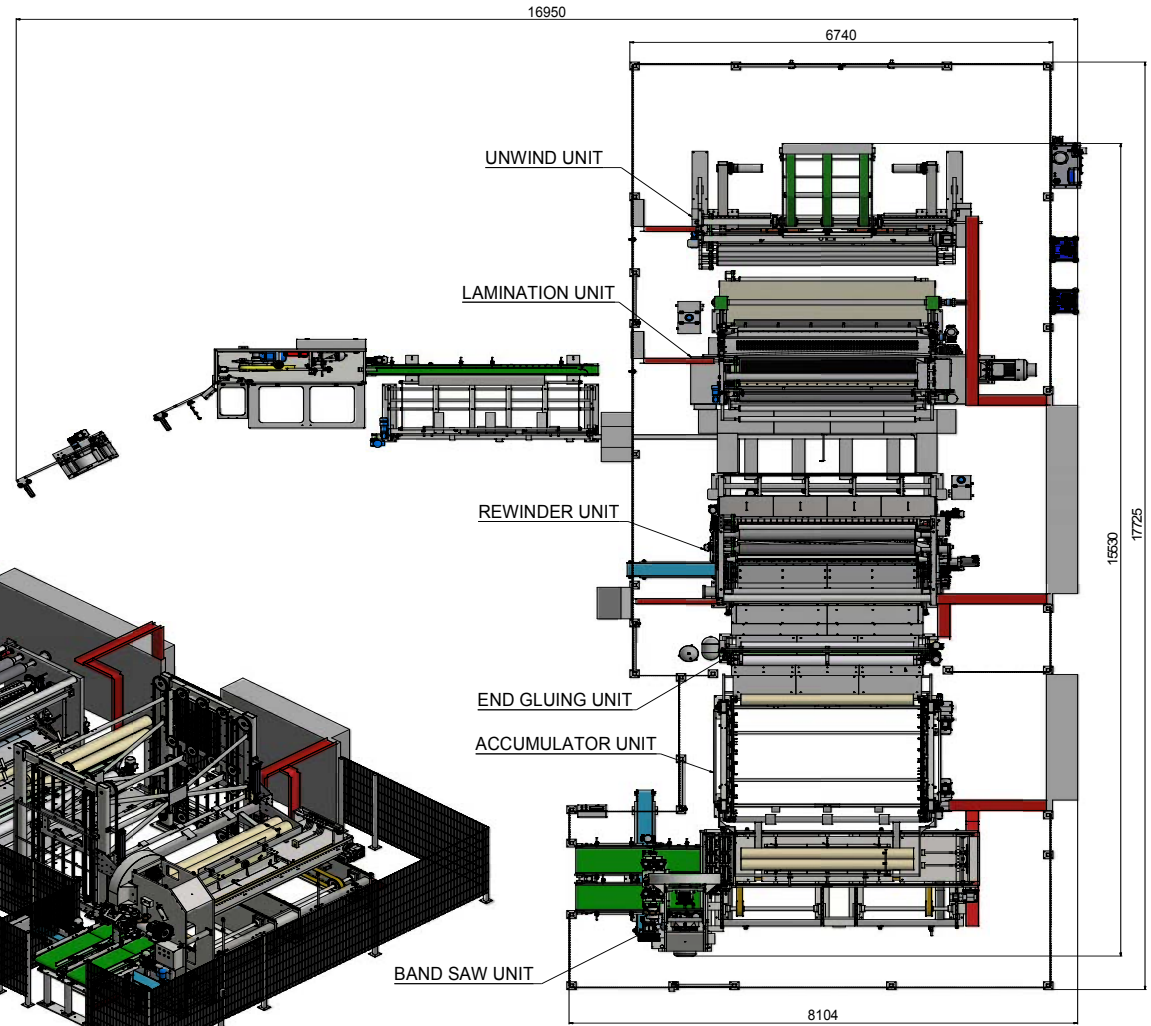
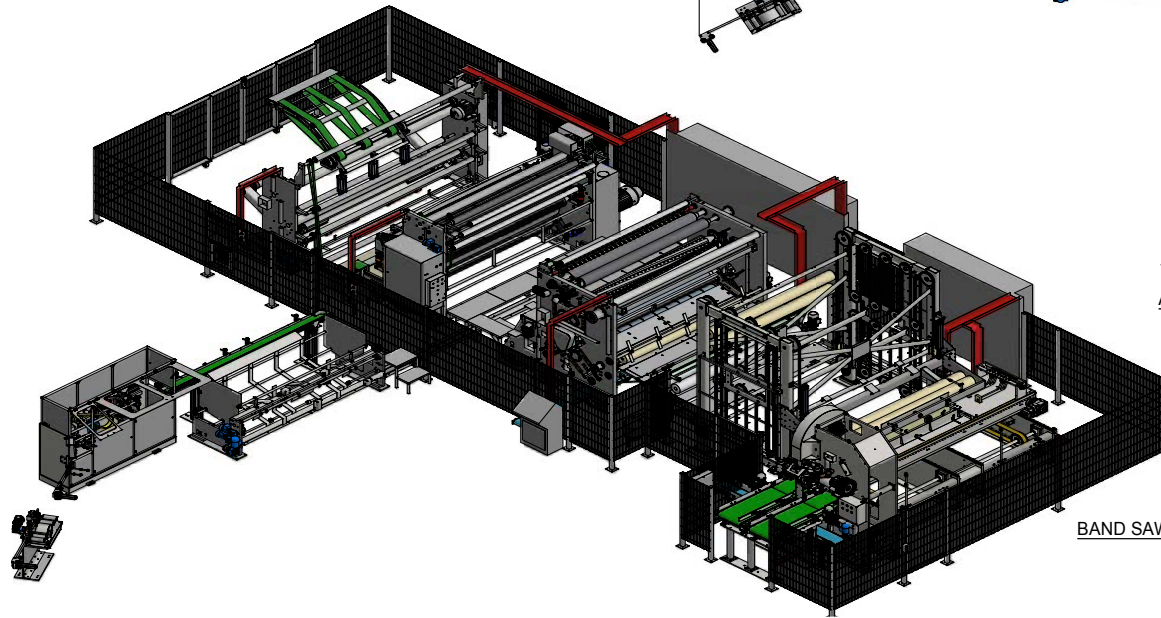
PRO-LINE



400 mpm / **20** LOGS



Pro-line "Connect-it" feature of line gives opportunity with best automation systems to watch and solve problems via online internet connection. "Matchless silence" -high speed embossing and silent winding innovations bring production line one step forward. Line contains two unwind units for max 2750mm tissue reel. Innovative lamination, embossing and rewinding units allow to get best results. New tail sealer and accumulator units are followed by a 2 channel band saw. Shrink packaging unit complete line with excellent bundle of final products.



Maksimum Machine Speed : 400 meter /20 logs per minute
 Max rewind diameter:200 mm
 Max reel width 2750 mm
 Accumulator capacity 300 logs
 Shrink packaging
 Servo driven
 ALLEN BRADLEY automation systems
 CE standard is EC2006/42 safety category C and D

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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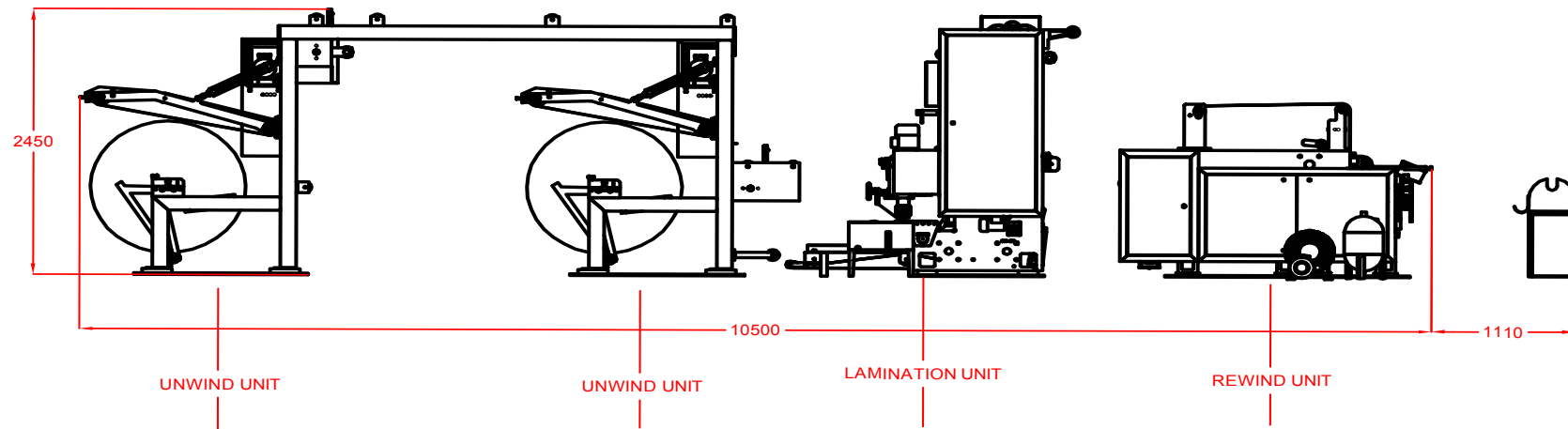
FLEX



300 mpm

Maximum diameter **300** mm





Flex is economical line for industrial rolls. Start-stop rewinding, Knurling unit (edge ebossing), 1600 mm and 1900 mm reel width options, 4 blade perforation cylinder and innovative lamination unit gives possibility to supply all customer demands.

Maksimum Machine Speed : 300 meter per minute

Maximum diameter 300 mm

Reel width 1600 mm and 1900 mm

Power need: 22 KVA

Start Stop

A/C, Servo driven

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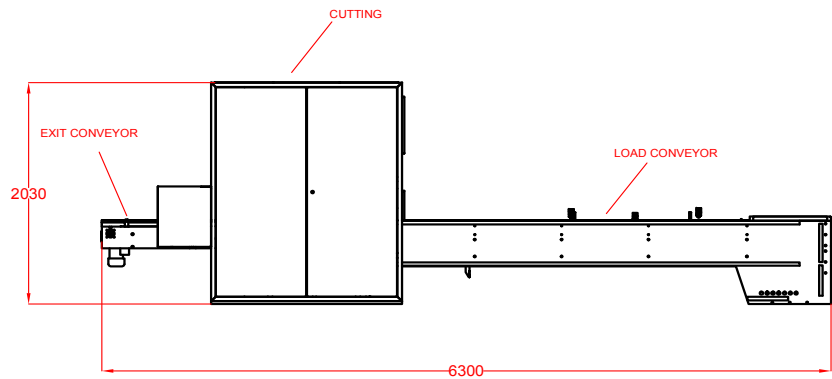


SWIFT

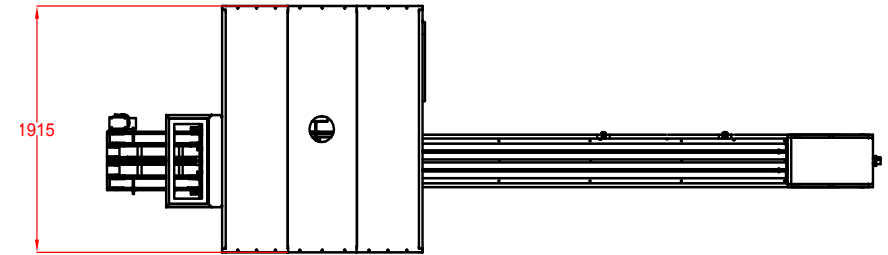


60 CUTS PER MINUTE





Swift is specifically designed to trim edges of the finished toilet paper and kitchen towel rolls and cut the rolls into their final length. 2 channel log conveyor driven by a servo motor. Servo driven orbital blade supported with automatic grinding system and dust vacuum.



Maximum Speed: 60 cuts per minute
 Blade outside diameter: 610 mm
 Trimming on both side
 Automatic feeding
 Cutting length(mm): Adjustable by control panel
 Motor Power: AC/5HP
 Allen Bradley Automation system

pneumatics by **FESTO**

Automation systems by **Allen-Bradley**



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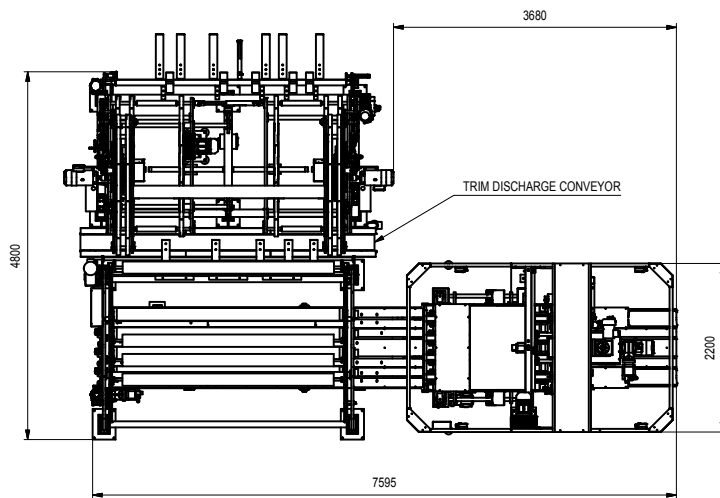
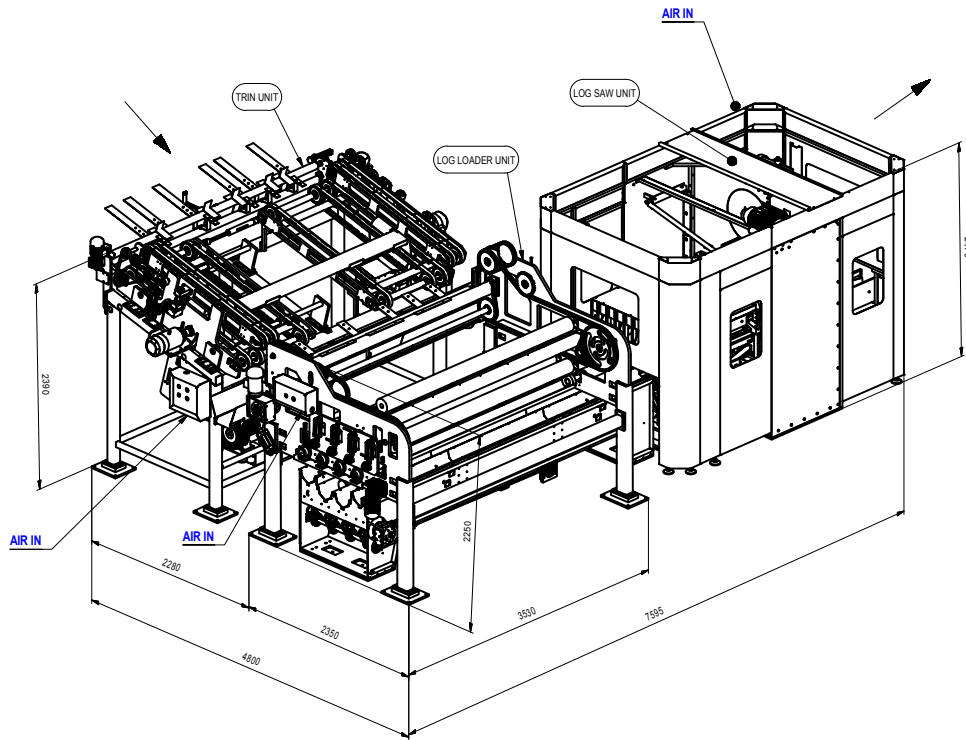


MEGA



60 CUTS PER MINUTE





Mega is specifically designed to trim edges of the finished industrial rolls and cut the rolls into their final length. 4 channel log conveyor driven by a servo motor. Servo driven orbital blade supported with automatic grinding system with dust vacuum.

Machine Speed: 60 cuts per minute

Final diameter: 130mm - 250 mm

Blade diameter : 870 mm

Total Power: 11 KVA

Servo driven

Automated feeding system

Power Supply Voltage : 380 Volt/50HZ

ALLEN BRADLEY automation systems

pneumatics by **FESTO**

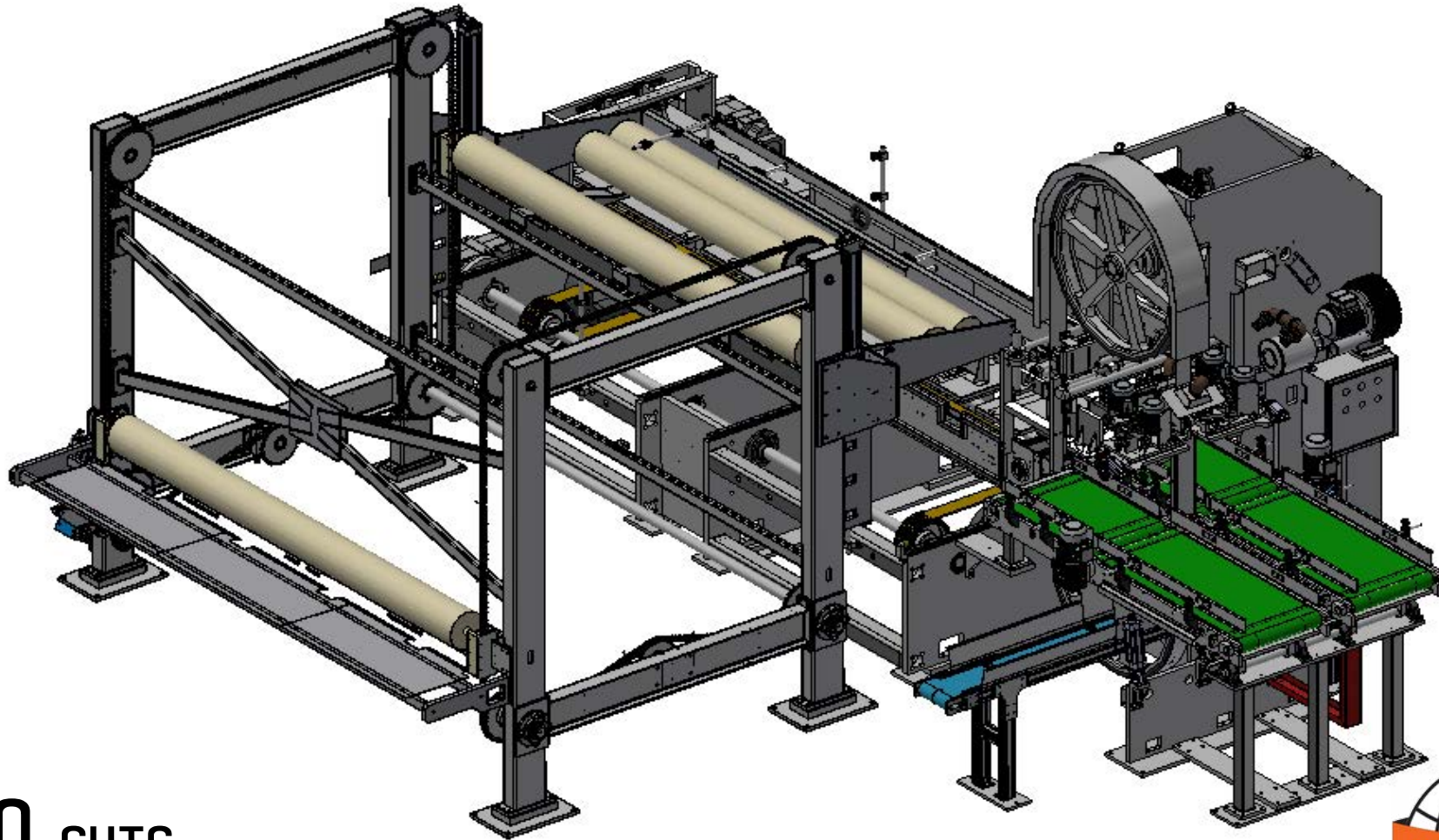
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BAND SAW

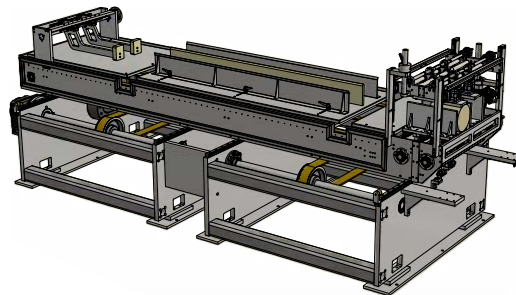
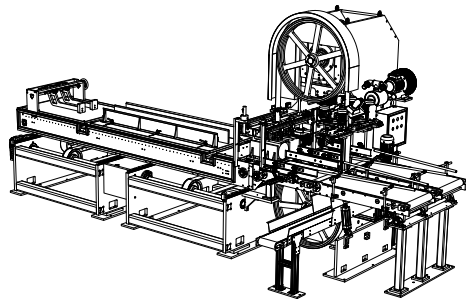
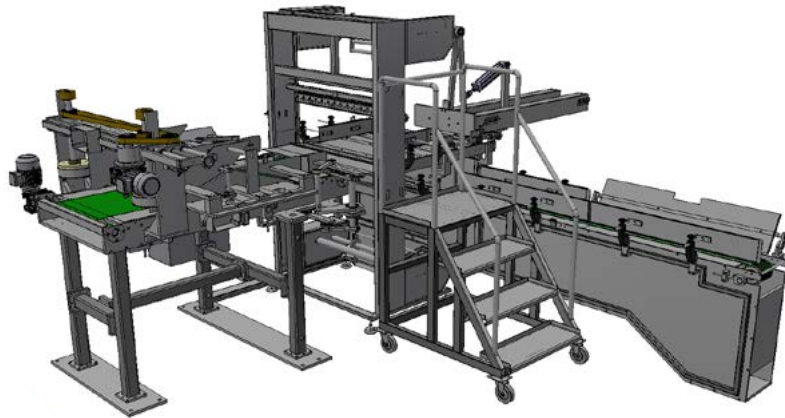


30 CUTS PER MINUTE





B-SAW specifically designed for the cutting of tissue paper logs. ICM B-SAW is able to cut industrial roll logs up 2800 mm long and final diameter is from 100 to 300 mm two channel feeding conveyor is controlled by servo motor. Cutting length is adjustable by touchpad. The Machine cuts four logs per cycle with the double edged saw. Innovative Grinding systems have automated positioning, while saw wears out, to sharpen each side of the saw. Follows unit dust removal system for grinding stone dust. Innovative edge trimming system allows to remove and discharge edge trimm both side of the log. The emergency-break system to stop the saw is controlled by PLC system.



Maksimum Machine Speed : 30 cuts per minute

Cutting Diameter: 100 mm to 300 mm

Roll logs up to 2800 mm

Servo driven

Automated feeding system

ALLEN BRADLEY automation systems

Compression Air : 400 NL

Total Power: 45 KVA

Power Supply Voltage : 380 Volt/50HZ

Machine Size: 6450x2900x2950

Machine Weight : <7000 KG



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APRIL 2017

2017-2018

OCTOBER 2017

NOVEMBER 2018

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1966

HAYRETTIN ULUSOY
and PARTNERS CO.



Tissue converting & trade

2008



PRODUCTS

2016

A world brand in the tissue converting machinery



1998



HAK ULUSOY Hayrettin ULUSOY Cevat ULUSOY
President



To start mass production in the new factory building

1996

Company Foundation



ICM MAKİNA ve MÜHENDİSLİK LTD.



First Napkin Machine
manufactured by ICM



First Color Printing Napkin Machine
manufactured by ICM

INNOVATIVE CONVERTING MACHINERY

20th year

