

FILL & SEAL SOLUTIONS FOR PRE-FORMED CUPS



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FILLING & SEALING OF PRE-FORMED CUPS

Yoghurt, cream cheese, caffè latte, sauces, fruit jams, delicatessen salads - filling & sealing machines have a wide range of applications in the food industry.

IMA offers a wide range of state-of-the-art FS solutions for cups – also covering specific requirements for aseptic processing and with the capacity to handle numerous materials for both – cup and lid – even with an eye to increasing sustainability through the use of new eco-friendly materials.

IMA FS cup filling machines allow your product to stand out in the shelves with any cup shape (round, oval, square, conical) or cup size, whether they're stackable or not, with or without snap-on lid.

Fillers benefit from automatic fully controlled CIP/SIP systems for maximum hygiene, and are supplied in full compliance with international standards.

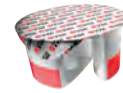
In an aim to keep ahead of market trends, IMA is equipped to ensure customers as much freedom as possible in creating unique ways to pack their products, be it to suit single-serve requirements, closable cups, mixed multipacks or complex packaging shapes.

Thanks to the company's wide experience and technical expertise related to liquid, viscous, layered, mixed or spreadable products a large variety of filling solutions are available.

Close partnership with market leaders have led IMA experts to fully understand upstream and downstream processes and requirements. Reaching the right solution is faster more cost-effective with IMA.

IMA ERCA, IMA GASTI and IMA HASSIA offer a comprehensive range of FS machines to meet production requirements such as:

- Hygiene classes CLEAN, ULTRA-CLEAN and ASEPTIC
- From low output machines to highspeed machines
- Extra-ordinary filling accuracy
- Flexibility
- Reliability
- Extreme variety of cup shapes
- Trained and qualified service staff



double chamber cups



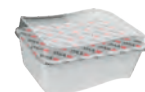
round cups



large cups



cups with filled snap-on lid



tubs with snap-on lid



rectangular cups



buckets



The companies IMA ERCA, IMA GASTI and IMA HASSIA cover all aspects of the packaging process and supply equipment for filling liquid to pasty products into pre-formed cups. Many of the world's leading dairy and food companies around the globe work with FS machines from these well-known brands.

The demand for fresh products with an extended shelf life and the requirements of retailers for cost-effective logistic concepts can only be met by using modern machines that meet all requirements in terms of hygiene, economy and efficiency. The wide-ranging machine portfolio offers the right machine for every product. The customized FS machines for cups can process all types of approved materials.

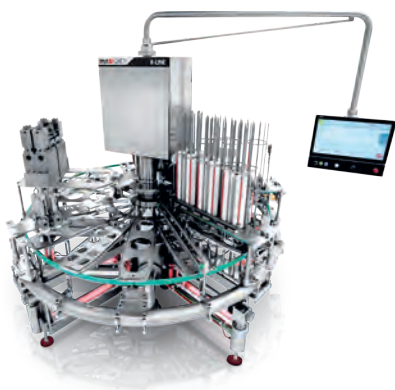
R-LINE - ALL-ROUNDER WITH AN INNOVATIVE DESIGN CONCEPT



Remarkable improvements in terms of flexibility, accessibility and sustainability - this is what the innovative design concept of the R-Line rotary-type machine stands for, which can be used for a wide range of applications.

Liquid to pasty products can be filled into various sizes of pre-fabricated cups, tubs, buckets, jars and bottles. Either mono-material or paper-based containers and lids can be processed on the rotary-type machine; i. e. recyclable materials that meet sustainability requirements.

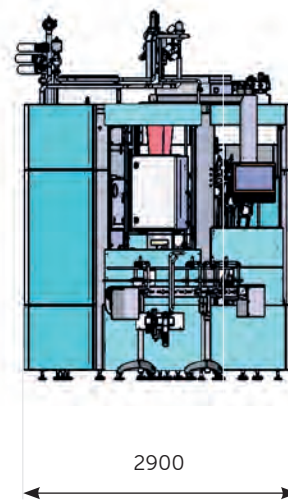
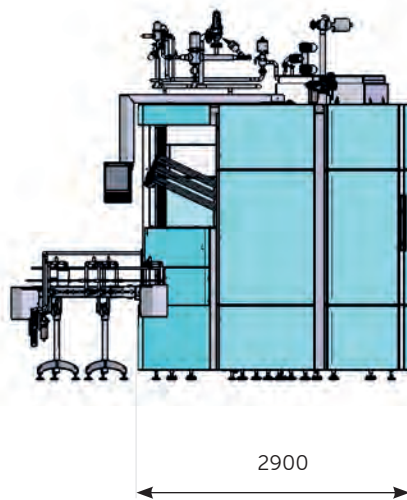
Depending on the container size and volume, the R-Line offers an output of up to 21.600 containers/hour.



Highlights:

- Completely open and hygienic machine frame without table plate
- Wash down-design
- Comfortable operating height
- Hygiene levels from "Clean" to "Aseptic Ready"
- Future-oriented design for maximum flexibility
- Wide range of output with single and double step concept.

R-LINE TECHNICAL DATA



MACHINE TYPES AND SIZES

R-Line Version		S - Type	M - Type	L - Type	XL - Type
Rotary Disc	[mm]	1.000	1.540	2.080	2.620
Footprint	[mm x mm]	1.700 x 1.700	2.400 x 2.400	2.900 x 2.900	3.400 x 3.400

CONTAINER FORMATS

	Volume _{max}	Round Ø _{max}	Square _{max}	Height _{max}
	[ml]	[mm]	[mm]	[mm]
Container	2.500	175	175	180

MATERIALS

Container	PP, PS, PET, paper, Plastic cup with cardboard sleeve (e. g. K3®, Desto), glass
Lids	PP, PET, Alu compound, Alu with coex layer (e. g. ComforLid)
Snap-on lids	PET, PP or PS

STANDARDS

Standard configuration	Vertical cup destacker, filling station (CIP-capable), incl. nozzles & capacitive level control, sealing lid applier, heat sealing, cup lifting out
Hygiene class	Clean (VDMA I+II)

OPTIONS

Hygiene class	Ultra-clean (VDMA III+IV)
Filling	Pre- and post-filler
General	Cup stack buffer magazine, particle remover, leakage test, inkjet printing, snap-on lid, format flexibility
Decontamination	UVC, Pulsed Light

CONTITHERM (CLEAN / ULTRA-CLEAN)



The name CONTITHERM is derived from the functional principle of continuous movement: the cups are conveyed through the machine at a constant speed and with an optional supply of sterile air to protect the product. The filling nozzles and the sealing station move synchronously with the cup transport during the filling and sealing process.

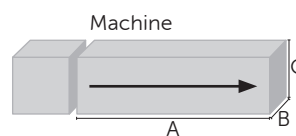
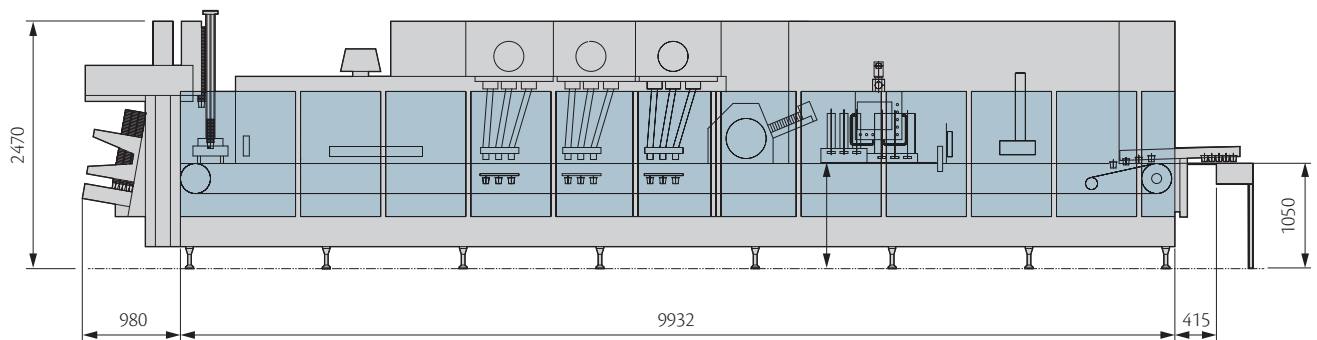


CONTITHERM 123

Proven filling and sealing machine for pre-fabricated cups with a max. Ø 95 mm and a max. cup height of 130 mm. The output of up to 28.800 cups/hour is infinitely variable and covers all medium output requirements for continuous cup transport with a 12-head dosing unit. There are no permanent acceleration and deceleration forces as with the 'stop and go' movement of an intermittently operating machine.



CONTITHERM 123 TECHNICAL DATA



Version 1: (for max. 2 fillers)

A: 9.112 B: 1.500 C: 3.000

Version 2: (for max. 3 fillers)

A: 9.932 B: 1.500 C: 3.000

Round cup max. Ø	95 mm	Fill volume main filler [cm ³]	30-300 or 50-500
Min. / max. cup height	50/130 mm	Fill volume pre-/post-filler [cm ³]	12,5-125 or 30-300

*Other formats on request

MATERIALS

Cups	PP, PS, Plastic cup with cardboard sleeve (e. g. K3 [®] , Desto), glass
Lids	PET, PP, Alu compound, Alu with coex layer (e. g. ComforLid)
Snap-on lids	PET, PP or PS

NOMINAL OUTPUT

CONTITHERM 123	28.800 cups/hour
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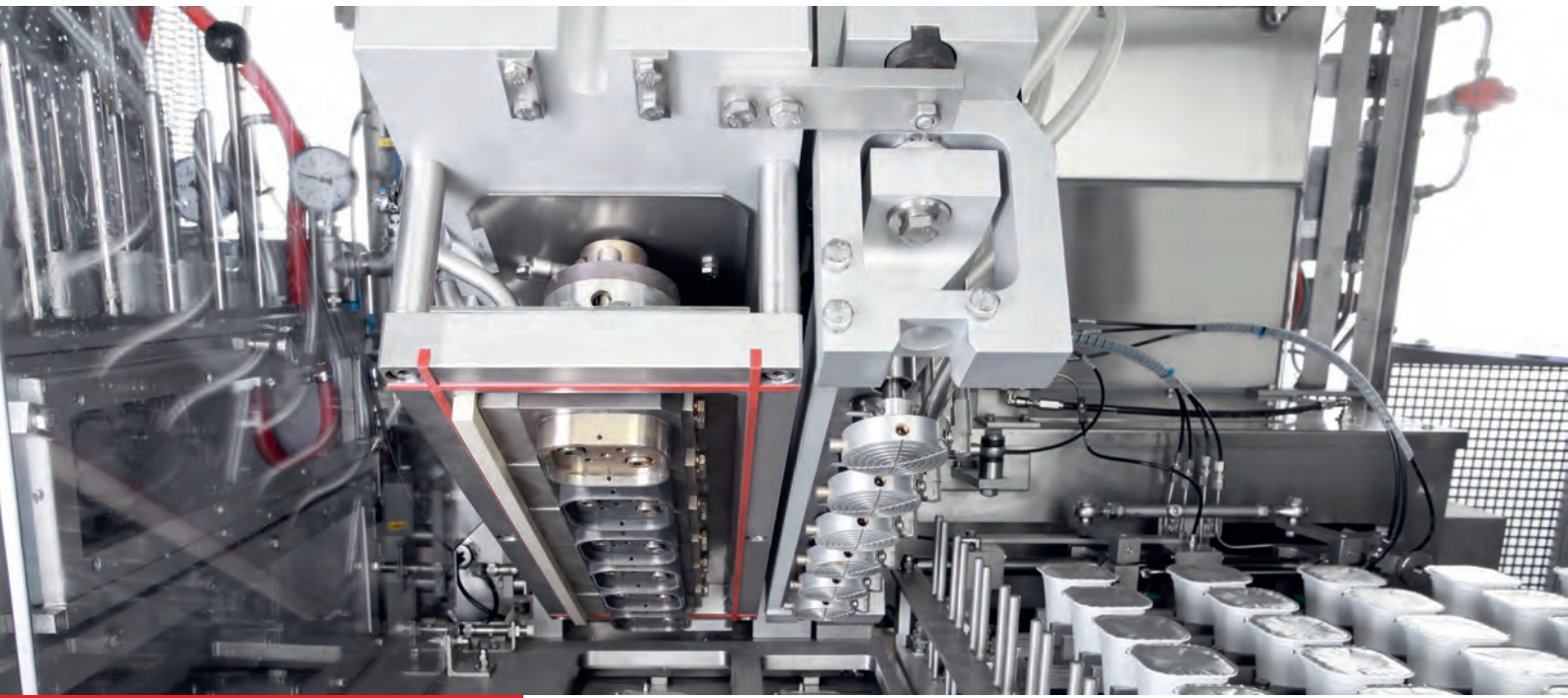
STANDARDS

Standard configuration	Servo-driven, vertical cup destacker, filling station (CIP-capable), incl. nozzles & capacitive level control, sealing lid applier, heat sealing, cup lifting out
Hygiene class	Clean (VDMA I+II)

OPTIONS

Hygiene class	Ultra-clean (VDMA III)
Decontamination	UVC, Pulsed Light and H ₂ O ₂
Filling	Pre- and post-filler
General	Cup stack buffer magazine, particle remover, leakage test, inkjet printing, snap-on lid, servo-driven, AIRMATIC

DOGASEPTIC-SERIES (ASEPTIC)



Aseptic filling with minimum space requirements. The machines in the DOGASEPTIC series process liquid to pasty products - even with particulates - in multiple layers and multiple sorts. All types of desserts such as pudding, custard and mousse, with and without cream topping, are filled in accordance with aseptic hygiene standards (VDMA V). The servo-driven machines are characterized by maximum sterilization of the cups and lids.

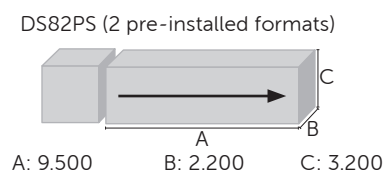
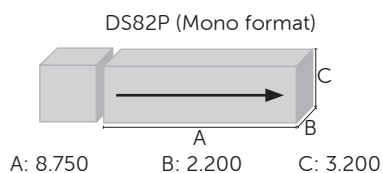
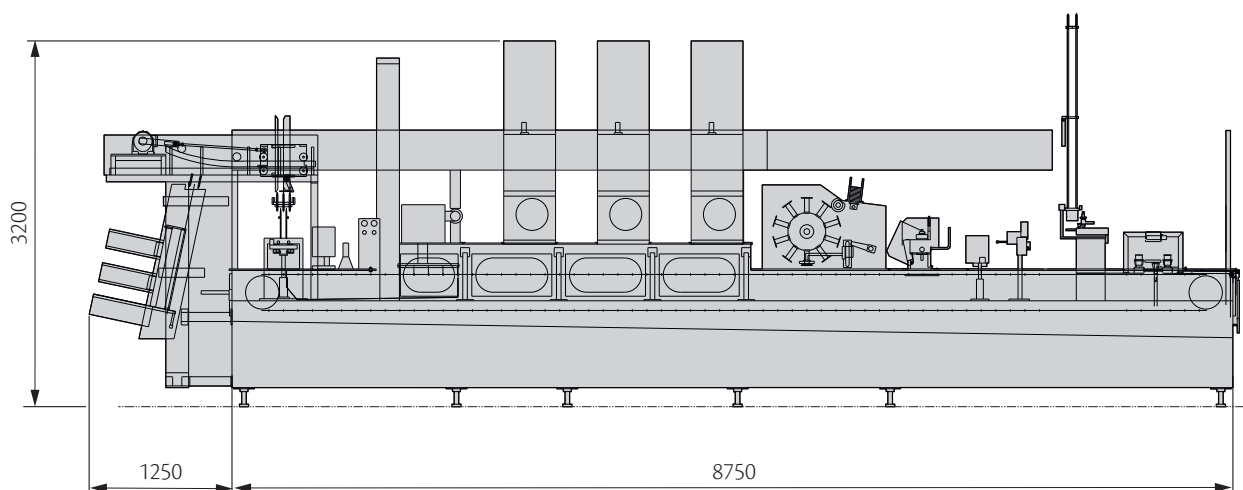


DOGASEPTIC 82

The ideal solution for requirements in the upper performance range: State-of-the-art development with fillers without movable seals that can be sterilized with steam. Proven cup filling and closing machine for prefabricated cups with a maximum diameter of 95 mm and a maximum cup height of 130 mm. The output is infinitely variable for up to 24.000 cups/hour. The machine meets all requirements for aseptic, intermittent machines with 8-head dosing units.



DOGASEPTIC 82 TECHNICAL DATA



Round cup max. Ø	115 mm	Fill volume main filler [cm ³]	25-250 or 50-500 or 70-700
Min./max. cup height	50/130	Fill volume pre-/post-filler [cm ³]	12,5-125 or 25-250

*Other formats on request

MATERIALS

Cups	PP, PS, Plastic cup with cardboard sleeve (e. g. K3 [®] , Desto)
Lids	PET, PP, Alu compound, Alu with coex layer (e. g. ComforLid)
Snap-on lids	PET, PP or PS

NOMINAL OUTPUTS

DOGASEPTIC 82P	24.000 cups/hour
DOGASEPTIC 82PS	19.200 cups/hour

STANDARDS

Standard configuration	Vertical cup destacker, filling station (CIP), incl. nozzles & capacitive level control, sealing lid applicator, heat sealing, cup lifting out
Hygiene class	Aseptic (VDMA V)
Decontamination	H ₂ O ₂

OPTIONS

Filling	Pre- and post-filler
General	Cup stack buffer magazine, particle remover, leakage test, inkjet printing, snap-on lid, format flexibility, STERIMATIC, servo-driven

EFS-X - COMPACT CHAINLESS DRIVE CUP FILLER



Latest Development of a Filling and Sealing Machine

The EFS-X provides you with the latest technology for filling of liquid to pasty products into different sizes of pre-formed cups. The EFS-X is a new developed cup filler with an innovative frame and cup transfer. The machine can be used for a wide range of applications - from liquid to pasty products. Compact with quick changeover for pre-made cups in plastic or paper, the EFS-X gives flexibility and ergonomomy up to 12.600 cups/h. The machine can handle cups from 75 mm up to 126 mm round or rectangular.

The EFS-X combines the advantages of a linear Filler and the compactness of a rotary Filler

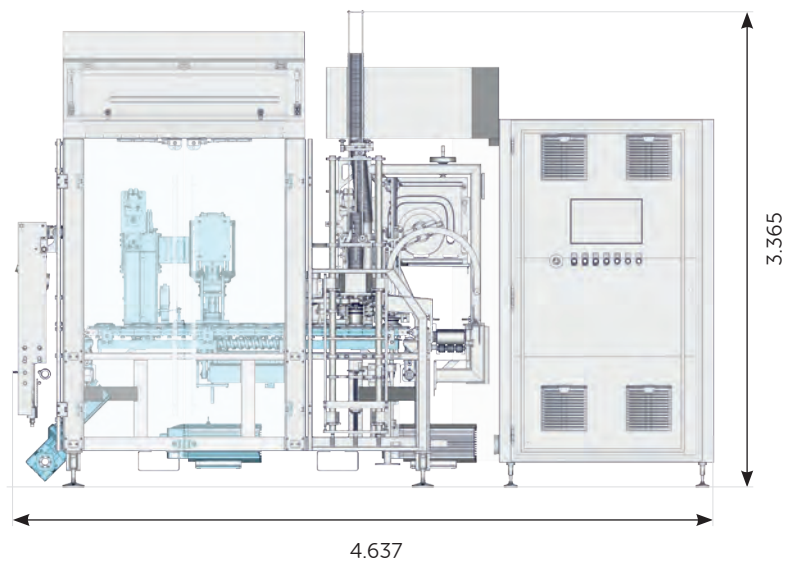
- The ergonomic design gives a full access to the 4 sides and all functions of the machine.
- The cup infeed allows quick and easy loading. In option an in-line infeed can run jars and non stackable cups.
- The hygiene can be improved with dedusting, UV or pulsed light, laminar airflow.
- Up to 2 accurate dosing units. No wave effect and fruit pieces up to 13 mm.
- Each dosing unit allows CIP and quick cleaning during production with outside draining.
- The pick and place unload all formats and weights.



Due to the chainless drive the machine is lubrication free and there is no chain stretch. The configuration of the cell plates has the advantages that there is no return transport of the cell plates and no rotation movement. A quick release & tool free cup plate changeover (< 10 min.) can be realized.

- Format flexible
- Hygienic design (EHEDG)
- 2 fillers possible
- Improved hygiene options (UV-C or pulsed light)
- Hygiene level: Clean, Ultra-clean

EFS-X TECHNICAL DATA



Square movement - number of transfer plates	18
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CONTAINER FORMATS

	Volume _{max}	Round Ø _{max}	Rectangular _{max}	Height _{max}
	[ml]	[mm]	[mm]	mm
Container	2000	126	126*160	150

MATERIALS

Container	PP, PS, PET, paper, Plastic cup with cardboard sleeve (e. g. K3 [®] , Desto), glass
Lids	PP, PET, Alu compound, Alu with coex layer (e. g. ComforLid)
Snap-on lids	PET, PP or PS

STANDARDS

Standard configuration	Vertical cup destacker, filling station (CIP-capable), sealing lid applier, heat sealing, pick and place
Hygiene class	Clean

OPTIONS

Hygiene class	Ultra-clean
Filling	Pre- and post-filler
General	Cup stack buffer magazine, dedusting, cup decontamination (UV-C, pulsed light), inkjet or laser printing, snap-on lid, format flexibility

EFS-L - FORMAT FLEXIBLE FILL AND SEAL MACHINE



This filling and sealing machine for pre-made cups offers endless flexibility for filling liquid to pasty products, such as yoghurt, cream cheese, curd, cottage cheese, single or multi-layer dessert products, foamed mousse products, deli salads, dips and dressings, hot-filled sauces, soups, jam, fruit puree, tomato sauce, sweet spreads, baby food, pet food, etc. The machine is easy to operate and maintain. Using the latest technologies and a modular design with stainless steel construction and servo drives offers flexibility in the filling stations - pre- and post-filler - for liquid or dry ingredients. The chainless solution for cup transportation allows format flexibility and precise positioning throughout the machine.

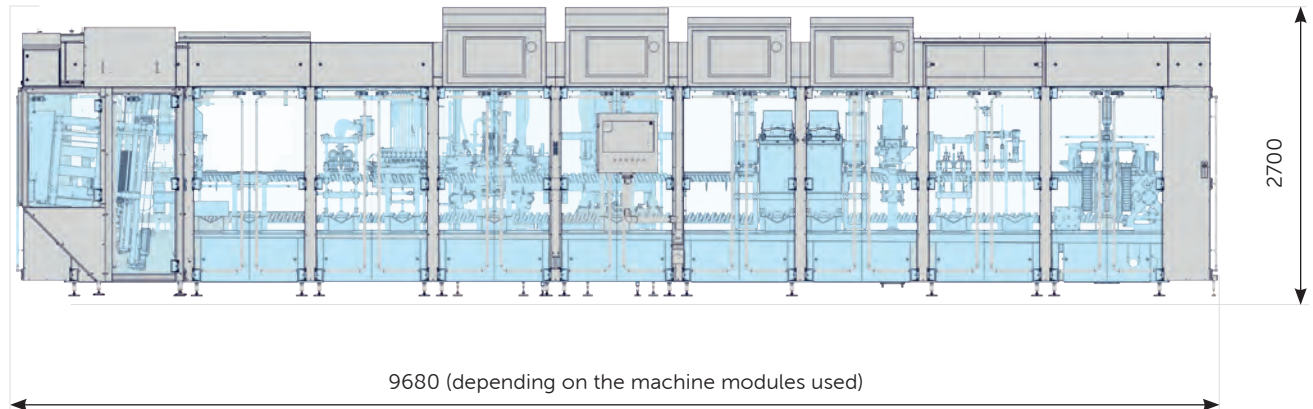


EFS-L

- Flexible format (quick release, without tools)
- Chainless drive (no chain stretching, no regular adjustment, fewer bucket cassettes)
- Modular design and construction
- Hygienic design
- Recipe function
- Multifill options (overtrack or remote dosing)
- Improved hygiene options (UVC, Pulsed light)
- Hygiene classes: Clean or Ultra-clean
- Lubricant-free



EFS-L TECHNICAL DATA



TECHNICAL DETAILS

Configuration	Max. output	Round Cup Ø	Square Cup
EFS-L 1 x 4	9.600 cups/h	130 mm	127x104 mm
EFS-L 2 x 4	19.200 cups/h		
EFS-L 1 x 6	14.400 cups/h	130 mm	127x104 mm
EFS-L 2 x 6	28.800 cups/h		
EFS-L 1 x 8	19.200 cups/h	95 mm	95x104 mm
EFS-L 2 x 8	38.400 cups/h		

TYPICAL MATERIALS

Cups	Pre-made cups made of PET, PLA, PP or PS, carton, aluminium
Lids	Pre-cut lids made of embossed or plain aluminium foil or made of PET, PP or paper
Snap-on lids	Pre-made snap-on lids of PET or PP

STANDARDS

Basic functions	Cup destacker, cup control, lid destacker, sealing, lid control, coding station, snap-on lid destacking
Cup discharge	On conveyor (1 or 2 lanes), with integrated case packer

TYPICAL OPTIONS

Hygiene class	Clean*, Ultra-clean*
Hygiene options	Cup decontamination (UVC, Pulsed light), lid decontamination (UVC, Pulsed Light), cup cassettes cleaning and drying
Efficiency options	Automatic cup buffer loader, lid loading sledge, automatic snap-on lid buffer loader, seal integrity control, reject station
Fillers	Number and technology depending on need

*Depending on customer specification

HAMBA BK II



IMA HAMBA has been known for filling and sealing machines for more than 85 years. Tradition and innovation combined to provide the most advanced technology for dairies and foodstuff companies all over the world. All machines are known for their extremely high filling accuracy and reliability and are also able to process products with particulates. They can fill yoghurt, quark, cream and desserts but also other liquid-to-pasty products with or without particulates as well as cereals and other dry products.

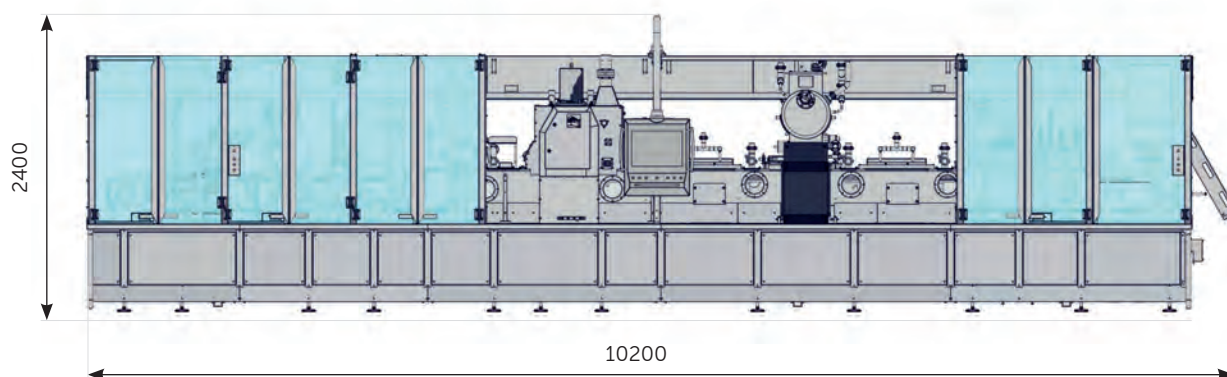


HAMBA BK II

Based on the design of the proven HAMBA BK concept, this filling and sealing machine for pre-made cups stands for more efficiency, availability and flexibility. The BK II is controlled via a vertical shaft and curves. The machine can be designed with up to 12 lanes and is available as a single cycle, double cycle or even with two (2) pre-installed formats. The BK II is also suitable for aseptic filling. Robustness and a compact design characterize this type of machine.



HAMBA BK II TECHNICAL DATA



Customized version

Model	Cups per cycle	Round (Ø max.)	Height (max.)	Nominal output
1-6	6	150 mm	130 mm	up to 14.400 cups/h
1-8	8	116 mm	130 mm	up to 19.200 cups/h
1-10	10	95 mm	130 mm	up to 24.000 cups/h
1-12	12	75 mm	130 mm	up to 28.800 cups/h
2-6	12	130 mm	130 mm	up to 28.800 cups/h
2-8	16	95 mm	130 mm	up to 38.400 cups/h
2-10	20	95 mm	130 mm	up to 48.000 cups/h
2-12	24	75 mm	130 mm	up to 57.600 cups/h

Square and rectangular cups possible

TYPICAL MATERIALS

Cups	Pre-made cups made of Paper, PET, PP, PS, K3 [®] or compound materials*
Lids	Pre-cut lids made of aluminium foil or made of PET or PP*
Snap-on lids	Pre-made snap-on lids made of PET, PP, PS or filled snap-on lids*

*Other material combinations on request

STANDARD EQUIPMENT

Control system	Schneider Motion/Logic Siemens
Cup feed and decontamination	Cup destacker, cup control, cup decontamination by means of H ₂ O ₂ , cup lifting/ejection and discharge onto conveyor (alternatively an integrated packer can be installed)
Filler	Free space for pre-filler, main filler CIP/SIP (nozzles, level controls)
Lid	Lid applicator with H ₂ O ₂ decontamination and sealing station
Others	Cup tightness control, free space for coding (laser or linear unit for inkjet)
Hygiene class	Ultra-clean (VDMA III+IV)

TYPICAL OPTIONS

Hygiene class	Aseptic (VDMA V)
Filler	Pre- and post-filler, side-by-side-filling, twisted-filling, spot-filling
Control system	Rockwell Automation
Others	Cup pole feed in various designs and positions, particle extraction, sealing/punching of lidding material from the reel, coding, snap-on lid station and infeed, end-of-line packaging equipment

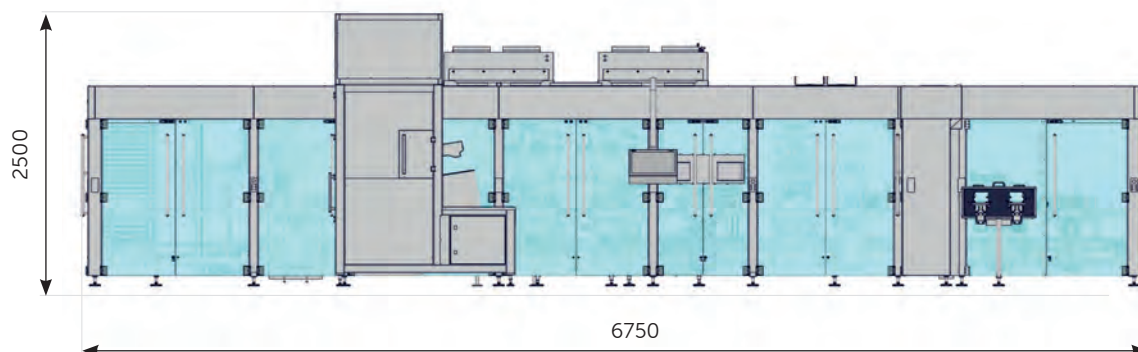
HAMBA BK-NEO



The HAMBA BK-NEO belongs to a newly developed modular machine generation in an open design, which is characterized by its good accessibility, wash-down design, stainless steel frame and a chain-free trolley transport system with precise positioning of the trolleys. Depending on customer requirements, the machine can be individually adapted, e. g. with automated trolley change and multi-format operation. Washing the trolleys "on the fly" is done by cleaning during production without reducing machine performance and is thus one of the other outstanding options available.



HAMBA BK-NEO TECHNICAL DATA



Customized version

Model	Cups per cycle	Round (Ø max.)	Height (max.)	Nominal output (at 40 cycles/min)
1-4	4	180 mm	150 mm	up to 9.600 cups/h
1-6	6	150 mm	130 mm	up to 14.400 cups/h
1-8	8	116 mm	150 mm	up to 19.200 cups/h
1-10	10	85 mm	150 mm	up to 24.000 cups/h
2-4	12	130 mm	150 mm	up to 28.800 cups/h
2-6	12	95 mm	150 mm	up to 28.800 cups/h
2-8	16	95 mm	150 mm	up to 38.400 cups/h
2-10	20	95 mm	150 mm	up to 48.000 cups/h
2-12	24	75 mm	130 mm	up to 57.600 cups/h

Square and rectangular cups possible

TYPICAL MATERIALS

Cups	Pre-made cups made of Paper, PET, PP, PS, K3 [®] or compound materials*
Lids	Pre-cut lids made of aluminium foil or made of PET or PP*
Snap-on lids	Pre-made snap-on lids made of PET, PP, PS or filled snap-on lids*

*Other material combinations on request

STANDARD EQUIPMENT

Control system	Schneider Motion/Logic Siemens
Cup feed and decontamination	Cup destacker, cup control, cup lifting/ejection and discharge onto conveyor
Filler	Main filler CIP/SIP
Lid	Lid applicator and sealing station
Others	Cup tightness control, free space for coding (laser or linear unit for inkjet)
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Hygiene class	Ultra-clean (VDMA III+IV)
Filler	Pre- and post-filler, side-by-side-filling, twisted-filling, spot-filling
Control system	Rockwell Automation
Others	Automatic trolley change, multifunction operation, automatic trolley washing, cup stack buffer magazine format adaptable, particle removal, sealing + die cutting from roll stock, sealing station movable for maintenance, Laminar Flow, UVC or pulsed light for cups and/or lids, coding, snap-on lid feeding system, end-of-line equipment

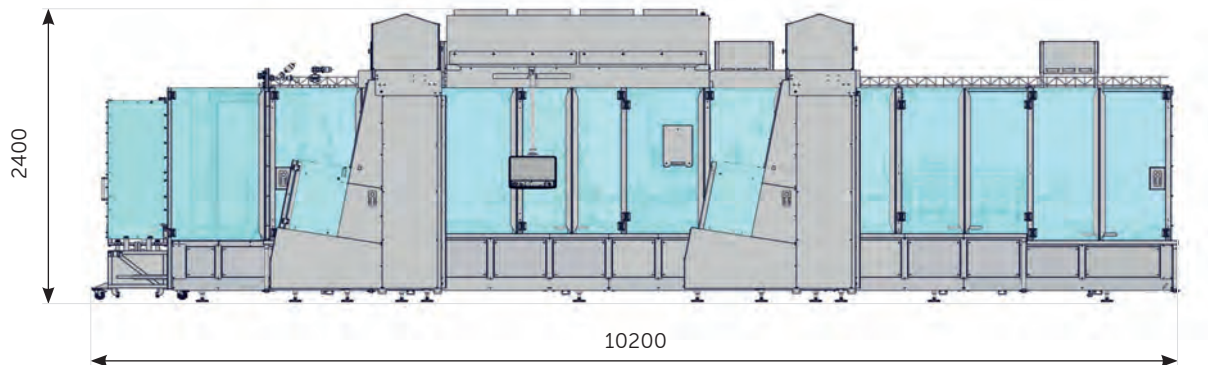
HAMBA BK-MF



This fill and seal machine for pre-formed tubs dedicated for margarine filling has a servo-driven chainless transport system which allows 100 % accuracy and precision due to mechanical design and drive system. Recipe controlled format change enables zero change overtime for tubs with the same tub format, but with a different height.



HAMBA BK-MF TECHNICAL DATA



Customized version

Modell	Cups per cycle	Round (Ø max.)	Height (max.)	Nominal output
1-4	4	Round 180 mm	150 mm	up to 14.400 tubs/h
1-6	6	158,5 * 129,5 mm	150 mm	up to 21.600 tubs/h
(1-6)	3	250 * 154 mm	150 mm	up to 10.800 tubs/h

Square and rectangular cups possible

TYPICAL MATERIALS

tubs	Pre-made cups made of Paper, PET, PP, PS, K3 [®] or compound materials*
Lids	Pre-cut lids made of aluminium foil or made of PET or PP*
Snap-on lids	Pre-made snap-on lids made of PET, PP, PS or filled snap-on lids*

*Other material combinations on request

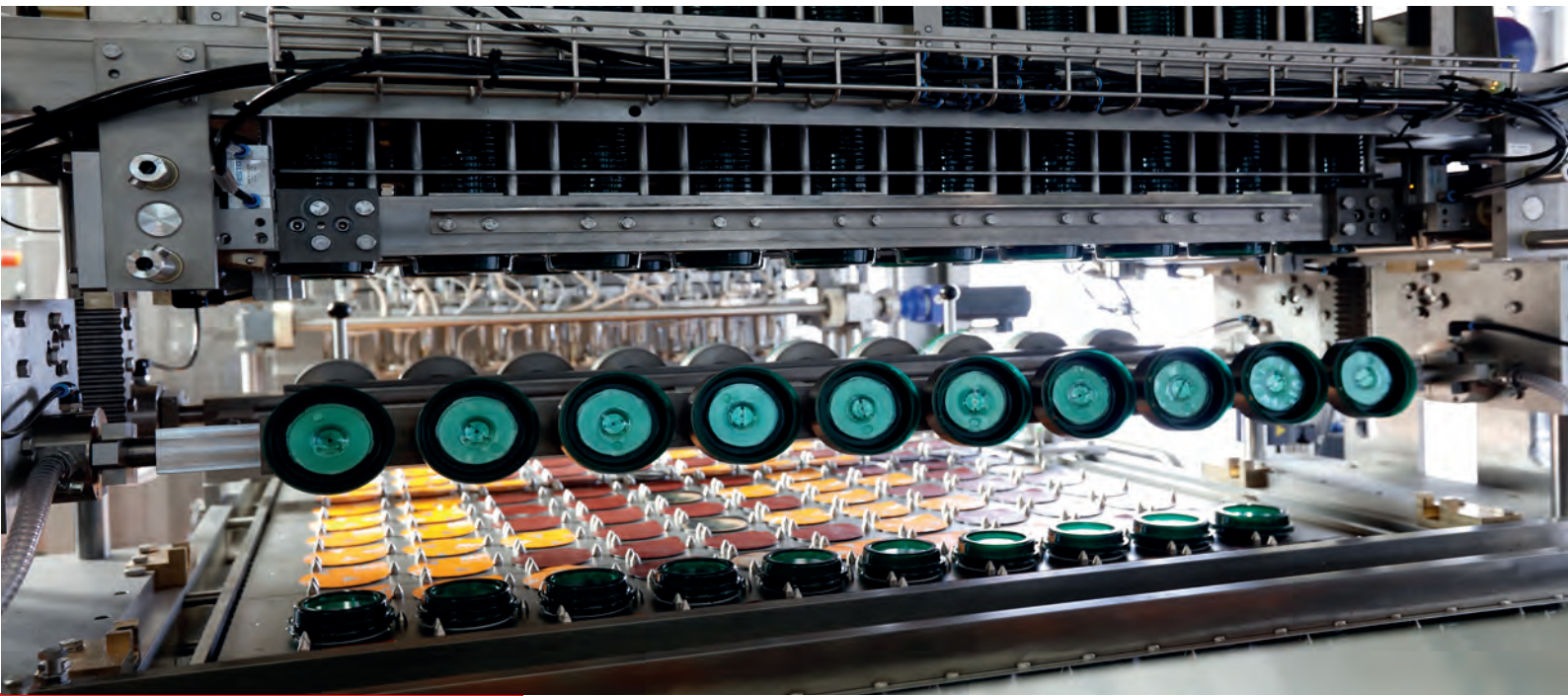
STANDARD EQUIPMENT

Control system	Schneider Motion/Logic Siemens
Cup feed	Cup destacker, cup control, cup lifting/ejection and decontamination discharge onto conveyor (alternatively an integrated packer can be installed)
Filler	DKD, main filler CIP/SIP (nozzles)
Lid	Snap-on lid
Hygiene class	Ultra-clean (VDMA I - II)

TYPICAL OPTIONS

Decontamination	UV-C or Pulsed light
Control system	Rockwell Automation
Others	Cup pole feed in various designs and positions, particle extraction, sealing/punching of lidding material from the reel, coding, snap-on lid station and infeed, end-of-line packaging equipment

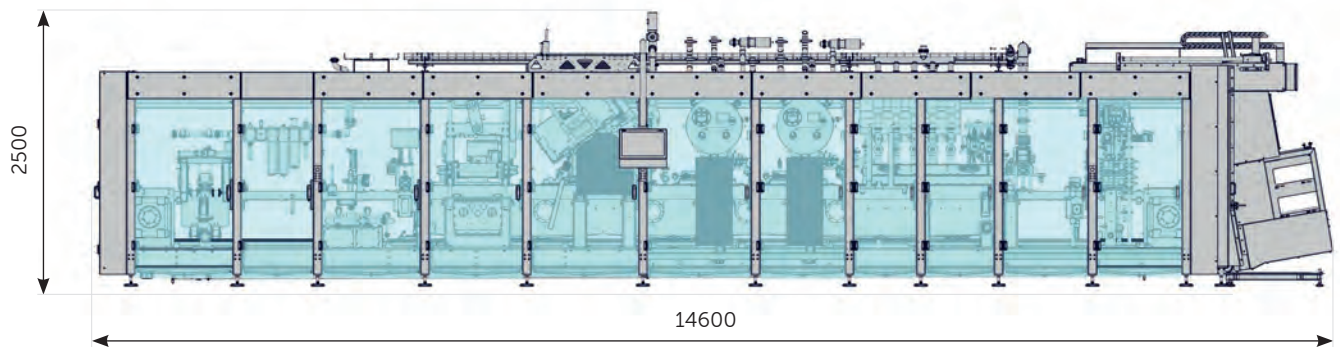
HAMBA FLEXLINE



This high-performance FS machine is completely servo-controlled, offers fully automatic format changes and recipe control at the touch of a button, as well as changing the lids without stopping the machine. It stands for state-of-the-art technology, especially with regard to safety. The machine can be designed with up to 12 lanes and is available as a single cycle, double cycle or even with two (2) pre-installed formats. The HAMBA FLEXLINE is ideally suited for aseptic filling. The packaging disinfection can also be designed for sensitive packaging such as paper, PET or PP for cups and lids in order to meet the highest demands here as well.



HAMBA FLEXLINE TECHNICAL DATA



Customized version

Model	Cups per cycle	Round (Ø max.)	Height (max.)	Nominal output
1-4	4	180 mm	150 mm	up to 9.600 cups/h
1-6	6	130 mm	150 mm	up to 14.400 cups/h
1-8	8	105 mm	150 mm	up to 19.200 cups/h
1-10	10	95 mm	150 mm	up to 24.000 cups/h
1-12	12	75 mm	150 mm	up to 28.800 cups/h
2-6	12	95 mm	150 mm	up to 28.800 cups/h
2-8	16	95 mm	150 mm	up to 38.400 cups/h
2-10	20	95 mm	150 mm	up to 48.000 cups/h
2-12	24	75 mm	150 mm	up to 57.600 cups/h

Square and rectangular cups possible

TYPICAL MATERIALS

Cups	Pre-made cups made of Paper, PET, PP, PS, K3 [®] or compound materials*
Lids	Pre-cut lids made of aluminium foil or made of PET or PP*
Snap-on lids	Pre-made snap-on lids made of PET, PP, PS or filled snap-on lids*

*Other material combinations on request

STANDARD EQUIPMENT

Control system	Schneider Motion/Logic Siemens
Cup feed and decontamination	Cup destacker, cup control, cup decontamination by means of H ₂ O ₂ , cup lifting/ejection and discharge onto conveyor (alternatively an integrated packer can be installed)
Filler	Free space for pre-filler, main filler CIP/SIP (nozzles, level controls)
Lid	Lid applicator with H ₂ O ₂ decontamination and sealing station
Others	Cup tightness control, free space for coding (laser or linear unit for inkjet)
Hygiene class	Ultra-clean (VDMA III+IV)

TYPICAL OPTIONS

Hygiene class	Aseptic (VDMA V)
Filler	Pre- and post-filler, side-by-side-filling, twisted-filling, spot-filling
Control system	Rockwell Automation
Others	Cup pole feed in various designs and positions, particle extraction, sealing/punching of lidding material from the reel, coding, snap-on lid station and infeed, end-of-line packaging equipment

ALL TYPES OF FILLING VARIANTS



With its many years of experience in filling liquid to pasty products in various types of pre-fabricated cups, IMA ERCA, IMA GASTI and IMA HASSIA offer a wide range of different filling options. The filling machines are known for their excellent filling accuracy, resulting in minimal product loss and increased productivity. By covering a wide range of filling types, countless customized and tailor-made design options are available for specific requirements. To ensure maximum flexibility, different products can be processed on the same machine, and both small and large quantities can be handled. The fillers benefit from automatic, fully controlled SIP/CIP systems for maximum hygiene and are designed and manufactured in accordance with international standards.



SUSTAINABLE PACKAGING MATERIALS

Flawless processing of customer packaging materials is an essential basis for trouble-free machine operation. In order to guarantee this for packaging materials such as cups, sealing lids and snap-on lids, IMA has a technical center that has built up a high level of expertise in the inspection of primary packaging materials in the course of countless customer projects. The focus is not only on the packaging material itself, but above all on its final combination. Regardless of whether you are dealing with packaging materials that are already in use on other machines or whether you want to test new materials, IMA is your reliable and innovative partner.

The following tests can be carried out under realistic conditions in the technical center:

- Thermostability testing of cups and sealing lids
- Sealing tests of cup and sealing lid combinations
- Optimization of sealing parameters for cup/sealing lid combinations
- Leak test of cup and sealing lid combinations
- Determining the vacuum resistance of cup and sealing lid combinations
- Stackability of snap-on lids
- Functional test of the application of the snap-on lid to the associated cup/sealing lid combination



Processability of all common packaging materials:

- **Cups:** PP, PS, plastic cups with cardboard sleeve (e. g. K3®, Desto), glass
- **Lid:** PET, PP, aluminium composite, aluminium with coex layer (e. g. ComforLid)
- **Snap-on lid:** PET, PP, PS
- **Collaboration** with leading packaging material suppliers to support the development of new and alternative packaging materials:
 - **Cup:** rPET, paper composite
 - **Lid:** PP, PP with barrier, paper composite

HYGIENE LEVELS



The requirement to extend the shelf life of high-quality products outside as well as throughout the cold chain – without a loss of quality – is becoming increasingly important.

The packaging process can be split into various hygiene classes, depending on application or product requirements.

Our solutions comply with the following hygiene standards:

- CLEAN (VDMA I+II)
- ULTRA-CLEAN (VDMA III+IV)
- ASEPTIC (VDMA V)



FS: PRE-FORMED CUPS

R-LINE	Clean Ultra-Clean	up to 21.600	cups/h	
EFS-X	Clean Ultra-Clean	up to 12.600	cups/h	
CONTITHERM 123	Clean Ultra-Clean	up to 28.800	cups/h	
EFS-L	Clean Ultra-Clean Aseptic	9.600 - 38.400	cups/h	
HAMBA BK-MF	Ultra-Clean	10.800 - 21.600	cups/h	
HAMBA BK-NEO	Clean Ultra-Clean	9.600 - 57.600	cups/h	
DOGASEPTIC	Aseptic	19.200 - 24.000	cups/h	
HAMBA BK II	Ultra-Clean Aseptic	14.400 - 57.600	cups/h	
HAMBA FLEXLINE	Ultra-Clean Aseptic	9.600 - 57.600	cups/h	

SECONDARY- AND END-OF-LINE SOLUTIONS

IMA HAS A LONG TRADITION OF DESIGNING AND MANUFACTURING END-OF-LINE MACHINES

Discover our comprehensive range of secondary and end-of-line packaging solutions to put the finishing touches to your product. Thanks to our in-depth expertise in advanced automation, we can offer you a comprehensive range of solutions for robotic handling, cartoning, multipack and sleeving, forming, loading and sealing, wrapping, stretch wrapping, shrink wrapping, case packing, palletizing and depalletizing. Printing and labelling systems as well as modular labelling machines for self-adhesive labels complete our range and help to meet almost all label application requirements.



■ CARTONING AND FORMING, LOADING, CLOSING MACHINES

Our solutions cover cartoning from pre-glued blanks and forming, loading, and closing operations from flat blanks, accommodating all product types, shapes, and sizes into various carton configurations, including display boxes. Additionally forming, loading, and closing operations can be seamlessly integrated with a case packer station, offering a compact solution within a single frame.

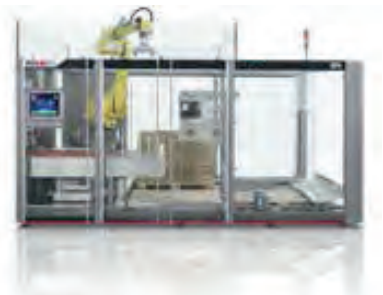
■ MULTIPACK AND SLEEVING MACHINES

Multipack and sleeving systems place rigid packages and thermoformed containers into cluster packs and sleeves. Sleeving systems can also be integrated with a case packer to fit areas with space constraints, offering a comprehensive solution for diverse operational needs.



■ VERTICAL CARTONING MACHINES

Compact vertical cartoning machines designed to handle various styles of carton packs. Capable of being connected with all the possible product feeding systems such as counting, volumetric or weighing units, these machines are designed for modular configuration as well as high-speed operation. In addition, IMA has the know-how and experience to provide our customers with a full consultancy service - from the design phase through to end-of-line equipment - helping them create a new, smart and sustainable pack.



■ CASE PACKING MACHINES

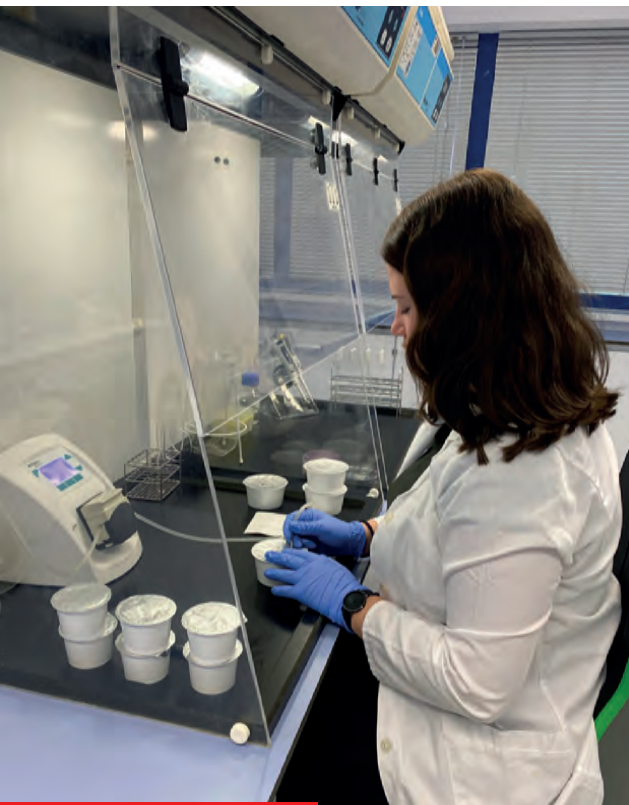
■ PALLETIZERS AND DEPALLETIZERS



A wide range of side, top loading and wrap around case packers is available to handle all types of products and shapes. For each specific application and speed, we provide the best solution to pack either individual or bundled products into cases, display boxes or trays. Our case packers can be integrated with palletizing solutions in a compact structure.

Available in several versions ranging from basic applications, such as manual pallet loading, up to more sophisticated solutions, such as automatic feeding of empty pallets and unloading of full pallets, palletizers have a solid structure and use precise, rapid multi-axis robotized systems for accurate positioning of products on pallets.

ASEPTIC COMPETENCE CENTER



The increased demands of consumers for extended shelf life of sensitive products without the use of preservatives were the reason for our group to establish an Aseptic Competence Center at the Ranstadt site.

Our companies can look back on around 50 years of experience in the aseptic sector and we have had our own laboratory since the late 1990s. In order to offer our customers more security regarding aseptic packaging and thus longer shelf life of their products, we have established our Aseptic Competence Center, which enables us to offer a complete solution from the planning and design of a packaging system to approval.

Our interdisciplinary aseptic team has experience in the fields of process engineering, microbiology, food technology as well as hygienic and aseptic filling systems.

MORE THAN 50 YEARS ASEPTIC COMPETENCE

IMA ERCA
Filling and Packaging Solutions

IMA GASTI
Filling and Packaging Solutions

IMA HASSIA
Filling and Packaging Solutions

Delivery
1. aseptic
FFS machine

Delivery
1. aseptic
FS machine

Aseptic
laboratory set-up

1970

1974

1977

1985

1999

2017

Delivery
1. aseptic
FS machine

Delivery
1. aseptic
FFS machine

Certification
Aseptic Labora-
tory **BSL II**

IMA HASSIA
HAMBURG

IMA HASSIA
Filling and Packaging Solutions

IMA HASSIA
Filling and Packaging Solutions

OUR SERVICES

- Pre-engineering and microbiological pre-tests
- Validation of new machines according to VDMA, GMP and FDA standards
- On-site advice and support for the HACCP concept
- Optimization and re-validation of existing machines
- Clean room classification
- Microbiological environmental monitoring
- Checking and optimizing the cleaning success (CIP)
- Contamination, preparation and evaluation of samples

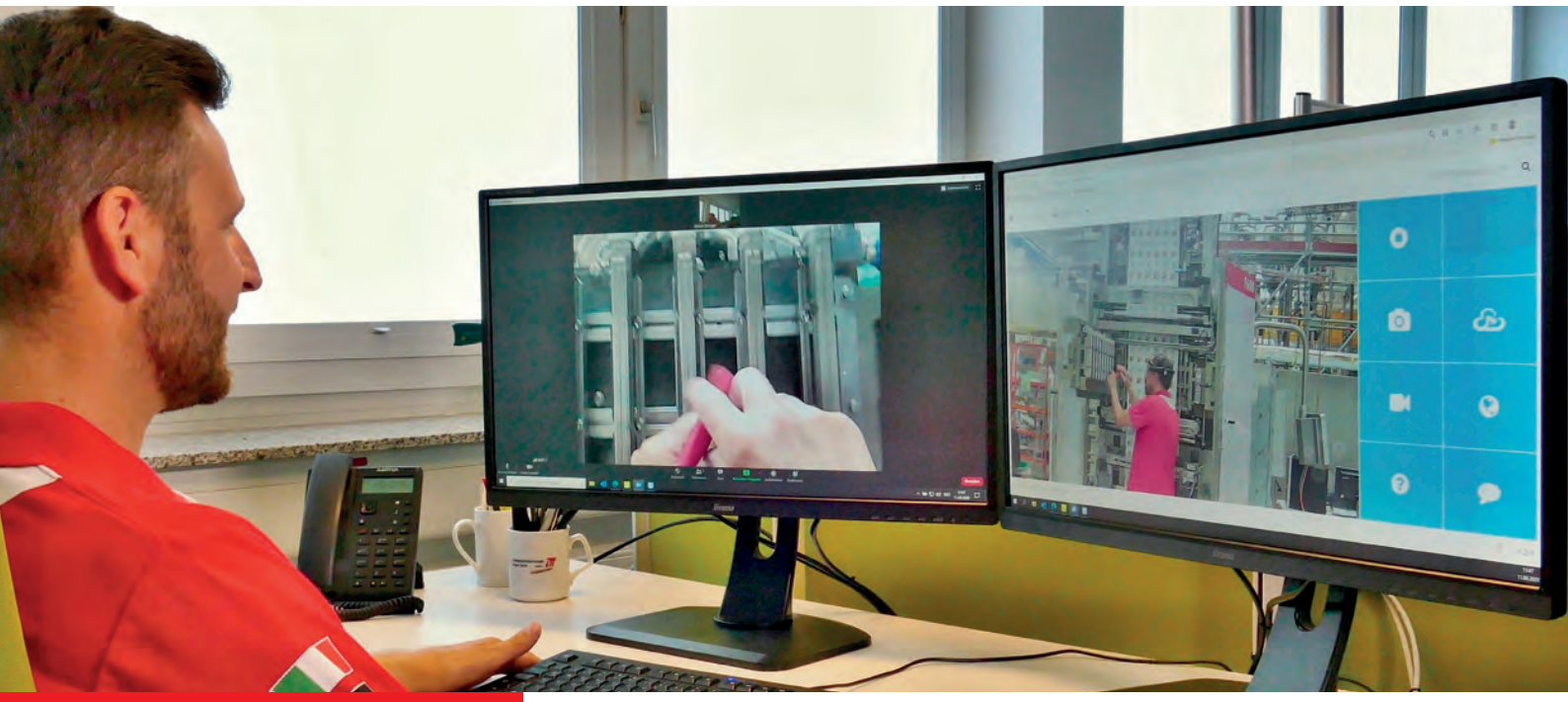


YOUR ADVANTAGES AT A GLANCE

- We offer a complete package from a single source
- Our specialists analyze all samples for you in our certified biosafety level II laboratory in Ranstadt
- Our certificate is your proof of hygienic and safe filling processes in your company
- We carry out customer-specific tests
- We advise and support you in dealing with regulatory requirements
- We give you more security for your product quality and production processes



ONE PARTNER FOR ALL YOUR REQUIREMENTS



WE SUPPORT OUR CUSTOMERS AT ALL LEVELS

Starting with intensive support during the development phase before defining the packaging solution up to the complete technical assistance at the customer's site during the entire lifetime of the machine.

A team of experts is available to respond to any mechanical or electrical issues and skilled engineers and service technicians are available at IMA branches worldwide. In order to assure the highest level of technical assistance, all IMA service technicians are fully trained and kept constantly up to date with the latest technical developments in their sector.

Having locally based service technicians brings IMA closer to the customer. This gives greater insight into real production requirements and specific market needs, and leads to more appropriate solutions that can also be achieved by customization wherever necessary.

Our remote service assistance enables instant and secure connection between the customer's equipment and our support team who can quickly view, diagnose and troubleshoot.

Investment in IMA machinery is a sound choice as existing machines are open to upgrading with new technologies.

TECHNOLOGICAL IMPROVEMENTS

- Conversions
- Retrofits
- Machine overhauls
- Used machines
- Replacement of obsolete technology
- Service contracts



OPERATIONAL SUPPORT

- Customer service
- Spare parts
- Maintenance contracts
- Remote service
- Relocation



PRODUCTIVITY IMPROVEMENT

- Auditing
- Training courses
- Operational support
- Consulting



IMA - GROUP



IMA Group is world leader in the design and manufacture of automatic machines for the processing and packaging of pharmaceutical, personal care, food, tea and coffee products.

The group is present in about 80 countries, supported by a sales network made up of 29 branches representative offices in Central-Eastern Europe and more than 50 agents.

IMA Group has production plants in Italy, Germany, France, Switzerland, Spain, the UK, the USA, India, Malaysia, China and Argentina.

In planning its strategies, the group takes into account the economic, social and environmental impact of its operations, adhering the principles of sustainable growth and Corporate Social Responsibility.

IMA DAIRY & FOOD

As part of the Italian IMA Group, IMA DAIRY & FOOD is one of the world's leading suppliers of packaging machines, technology and services for the dairy and food industry.

With its German headquarters in Ranstadt, the company develops, produces and sells both individual machines and complete packaging lines at five production sites in Europe and through its own sales and service companies.

IMA DAIRY & FOOD employs more than 500 people worldwide.

IMA BRANDS OFFERING FS SOLUTIONS FOR CUPS



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