

PACKAGING SOLUTIONS

CUPS, SACHETS, STICK PACKS

FFS-, FS- AND VFFS-MACHINES



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SOLUTIONS FOR ALL PACKAGING REQUIREMENTS



IMA HASSIA stands for around 70 years of experience in the design and development of high quality form, fill and seal machines and has a large base of worldwide installations. A lot of packaging innovations have been developed in close cooperation with our customers, e.g. the double chamber cup or the user-friendly Stick Packs.

As market leader in Aseptic packaging, IMA HASSIA supplies innovative solutions for state-of-the-art packaging machines for cups and Stick Packs handling liquid to pasty products. The portfolio covers also FS machines from IMA HAMBA for filling pre-formed cups and bottles.

Covering all aspects of the packaging process – from consultancy and design (also the design of cups) to production planning IMA HASSIA provides equipment for filling in thermoformed cups or pre-formed cups. The demand for fresh-tasting products with an extended shelf life and retailers' requirements for low-cost logistic concepts can only be jointly satisfied by utilizing modern machine technology capable of meeting all hygienic, economic and high efficiency requisites.

IMA HASSIA's broad range of equipment offers the appropriate machine for each product.

Our customized FFS and FS machines for cups can handle all types of approved materials.

All machines are known for their extremely high filling accuracy, often using dosing devices without seals and also able to process products with particulates. They can fill all kinds of liquid-to-pasty products. Covering a wide range of filling styles, countless customized and tailor-made design possibilities are available to satisfy specific requests.

Fillers benefit from automatic, fully controlled SIP/CIP systems for maximum hygiene, and are supplied in full compliance with European regulations. On demand, equipment can also be delivered compliant with further regulations such as FDA, 3A and EHEDG etc.



Double chamber cup (FFS)



Rectangular cups (FFS)



Oval cups (FFS)



Embossed cups (FFS)



Round cup (FS)



Double chamber cup (FS)



Large cups (FS)



Special format (FS)



Cup with snap-on lid (FS)

FROM LIQUID TO PASTY PRODUCTS



Built to ensure maximum flexibility, different products can be processed on the same machine, which can also handle both, small and large volumes. Depending on the market and product requirements, the following hygiene levels are available: 'Clean', 'Ultra-clean', and 'Aseptic'.



Baby food
(FS)



Beverages in pre-formed
or thermoformed cups
(FS or FFS)



Dressings & Sauces
in portion packs or Stick Packs
(FFS)



Skimmed milk and coffee creamer
in portion packs or Stick Packs
(FFS)



Pasty products
(FS)



Purees in cups
(FFS)



Spreadable products
in portion packs
(FFS)



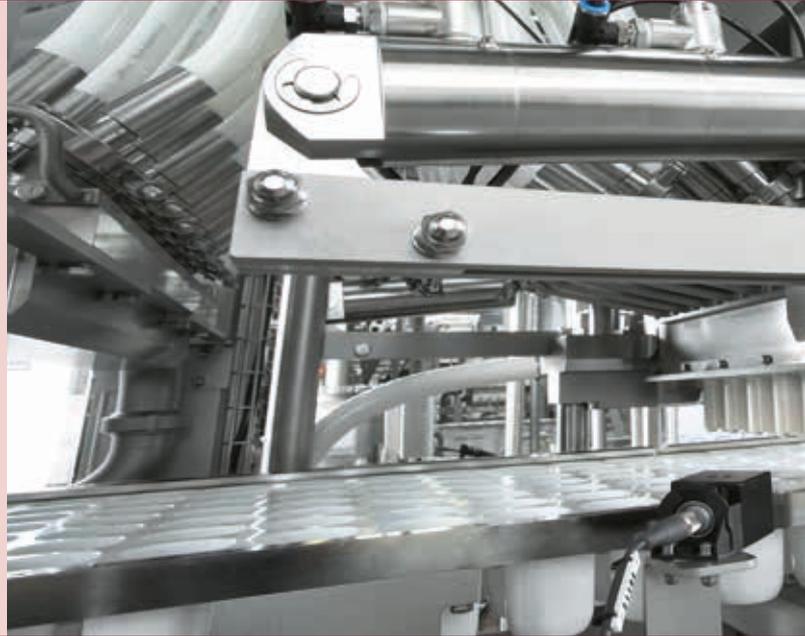
Spreadable products like
chocolate cream, jam, honey, bacon
grease, etc.
(FS)

C-SERIES - FFS MACHINES FOR CUPS

Flexibility, user friendliness, reliability and economic efficiency are decisive criteria for investing in a cup form, fill and seal machine.

Our longtime experience enables us to comply with these requirements every time, as our customers wish, in line with the product to be filled.

IMA HASSIA combines creativity with standard solutions. This means that we adapt our technology to current market demands and special requirements, focusing on individual, future oriented solutions with the highest economic efficiency and high product quality.



C300

Low output FFS-cup machine for more efficiency, availability and flexibility.

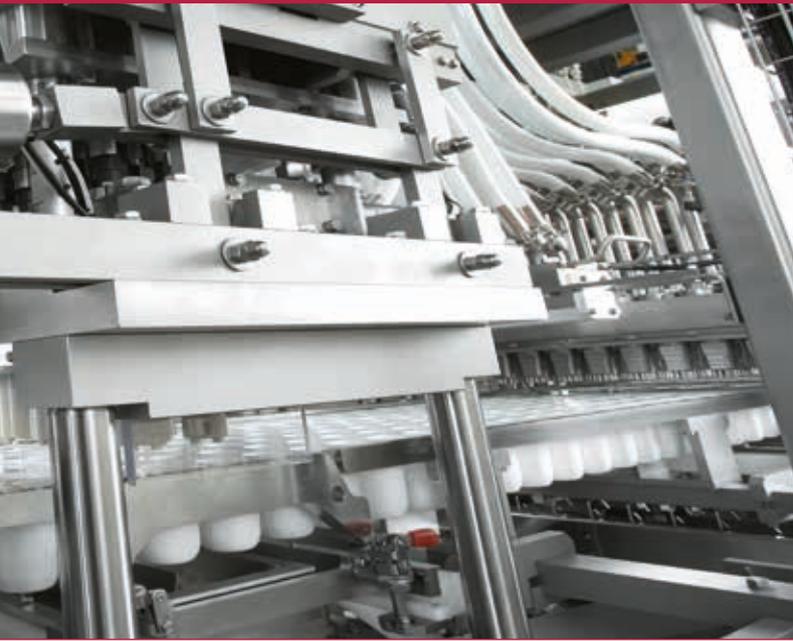
Optimum working width in line with the requested production capacity. Product specific filling systems stand for high filling accuracy. Huge variety of cup shapes and forms – also for double chamber cups – can be realized.



C500

Medium output FFS-cup machine with optimum hygiene standards - especially for products in cups and double chamber cups for the dairy and food industries.

The compact construction specifically meets customers' requirements for a small footprint. The costs of investment, maintenance and spare parts are clearly reduced.



An optimum working width in line with the required production capacity, short draw-off length, and high filling accuracy: these are the facts of the C-Series underlying economic, safe and stable production.

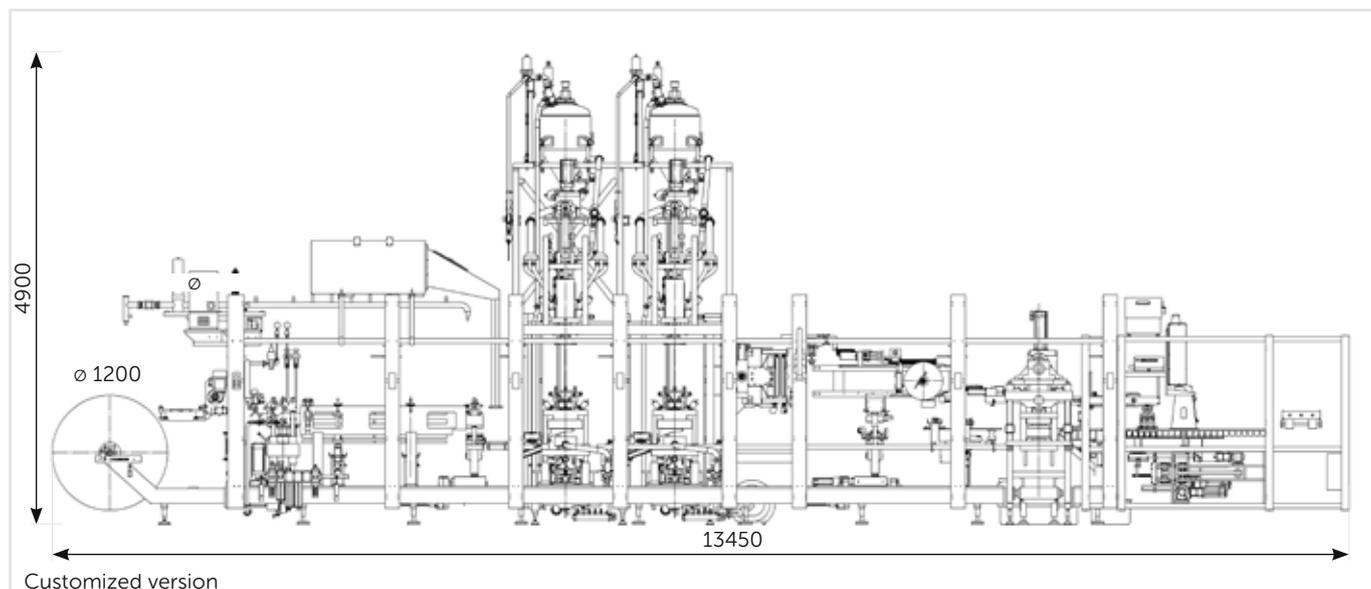


C800

High performance FFS-cup machine with optimum hygiene standards - offering efficient, well thought-out technology such as optimized format widths, shorter draw-off-lengths and high cycle speeds to ensure economical and profitable production runs. Huge variety of cup shapes for dairy and foodstuff products.



C300 TECHNICAL DATA



Material width	max. 340 mm	Draw-off length	max. 340 mm
Forming depth	max. 90 mm		

TYPICAL MATERIALS

Bottom web	PET, PP, PP Multilayer, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	12.000 - 36.000 cups/hour
Yoghurt and dessert cups (20-up) 30 cycles/min	36.000 cups/hour
PP cups (20-up) 25 cycles/min	30.000 cups/hour
Yoghurt baby food (8-up) 25 cycles/min	12.000 cups/hour

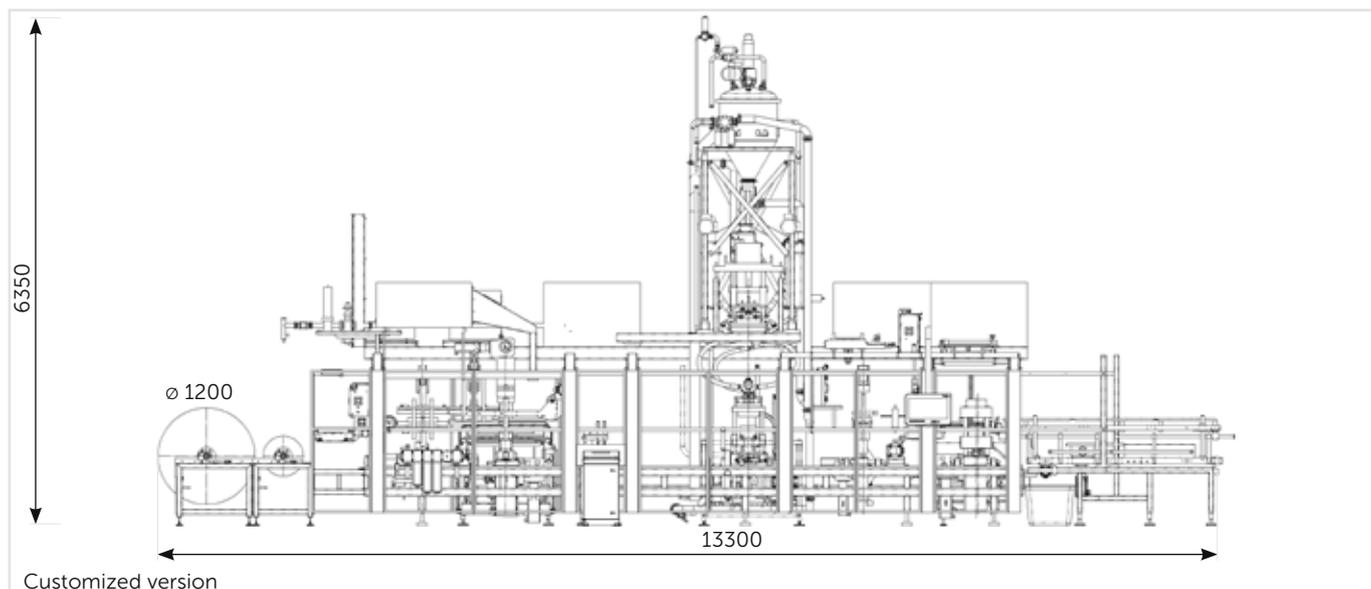
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameters	Bottom web max. 1.200 mm - Lid web max. 400 mm
Punching principle	Low waste, multi, grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	2nd reel and/or 2nd reel with magazine for flying reel change
Lid material	2nd reel and/or 2nd reel with magazine for flying reel change
Filler	Hot fill 85°C, CIP accessories, multi-component filling, agitator
Hygiene class	Ultra-clean (VDMA III+IV), Aseptic (VDMA V), FDA-Aseptic version, other versions on request
Decoration	Labelling versions: side / U-shape / bottom / wrap-around / wave
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

C500 TECHNICAL DATA



Material width	max. 550 mm	Draw-off length	max. 320 mm
Forming depth	max. 90 mm		

TYPICAL MATERIALS

Bottom web	PET, PP, PP Multilayer, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	18.000 – 57.600 cups/hour
Yoghurt and dessert cups (32-up) 30 cycles/min	57.600 cups/hour
PP cups (20-up) 25 cycles/min	30.000 cups/hour
Yoghurt cups (12-up) with wrap-around labelling 30 cycles/min	21.600 cups/hour
Yoghurt cups (10-up) 30 cycles/min	18.000 cups/hour

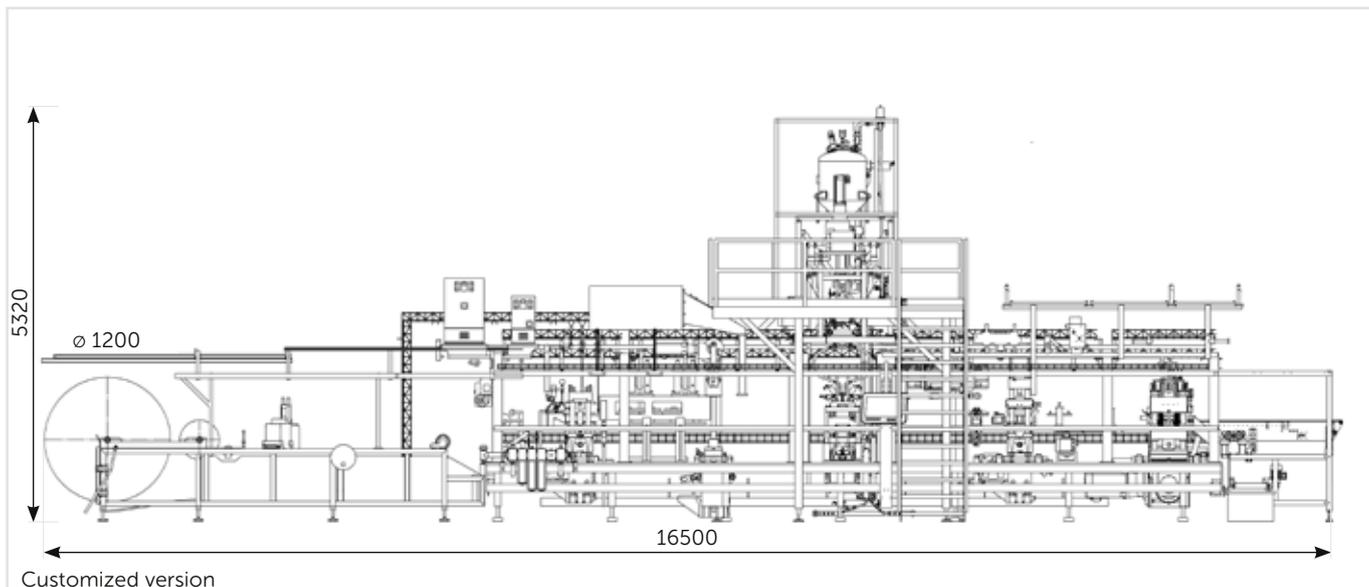
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameters	Bottom web max. 1.200 mm - Lid web max. 600 mm (lateral feed)
Punching principle	Low waste, multi, grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	2nd reel and/or 2nd reel with magazine for flying reel change
Lid material	2nd reel and/or 2nd reel with magazine for flying reel change
Filler	Hot fill 85°C, CIP accessories, multi-component filling, agitator
Hygiene class	Ultra-clean (VDMA III+IV), Aseptic (VDMA V), FDA-Aseptic version, other versions on request
Decoration	Labelling versions: side / U-shape / bottom / wrap-around / wave
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

C800 TECHNICAL DATA



Material width	max. 800 mm	Draw-off length	max. 320 mm
Forming depth	max. 90 mm		

TYPICAL MATERIALS

Bottom web	PET, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	36.000 - 86.400 cups/hour
Yoghurt and dessert cups (48-up) 30 cycles/min	86.400 cups/hour
Yoghurt cups with wrap-around labelling (20-up) 30 cycles/min	36.000 cups/hour

STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameters	Bottom web max. 1.200 mm - Lid web max. 600 mm (lateral reel feed)
Punching principle	Low waste, multi, grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	2nd reel and/or 2nd reel with magazine for flying reel change
Lid material	2nd reel and/or 2nd reel with magazine for flying reel change
Filler	Hot fill 85°C, CIP accessories, multi-component filling, agitator
Hygiene class	Ultra-clean (VDMA III+IV), Aseptic (VDMA V), FDA-Aseptic version, other versions on request
Decoration	Labelling versions: side / U-shape / bottom / wrap-around / wave
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

LABELLING SOLUTIONS FOR THERMOFORMED CUPS



A WIDE RANGE OF LABELLING SOLUTIONS

Cups can be designed cost-effectively and with a huge variety of different labelling solutions also enabling great freedom in terms of cup geometry.

The label is not only a marketing instrument; it also improves the cups' sidewall stability – making it more rigid – so the bottom web thickness for the cup can be reduced.



P-SERIES - FFS MACHINES FOR PORTION CUPS

Portions cups are the perfect, hygienic packaging ensuring quality and freshness for the breakfast buffet in a hotel, on board of airlines, for catering and for single households. The handy round, oval, square or even honeycomb shaped cups offer perfect protection and attractive staging for your high quality products.

Applications:

- in the dairy industry for packaging butter, desserts, cream cheese, soft cheese, etc.
- in the food industry for packaging ketchup, mustard, mayonnaise, sauces and dips, honey, jams, spreads, nougat cream, margarine, spices, herbs, dressings etc.



P200 / P300

FFS portion cup machine in the **low and medium** performance range and designed for materials such as PET, PP and PS.

The machine is characterized by various customized advantages, such as e.g. low operational cost, high availability, minimum maintenance and repair cost, as well as a balanced price performance ratio.



P500

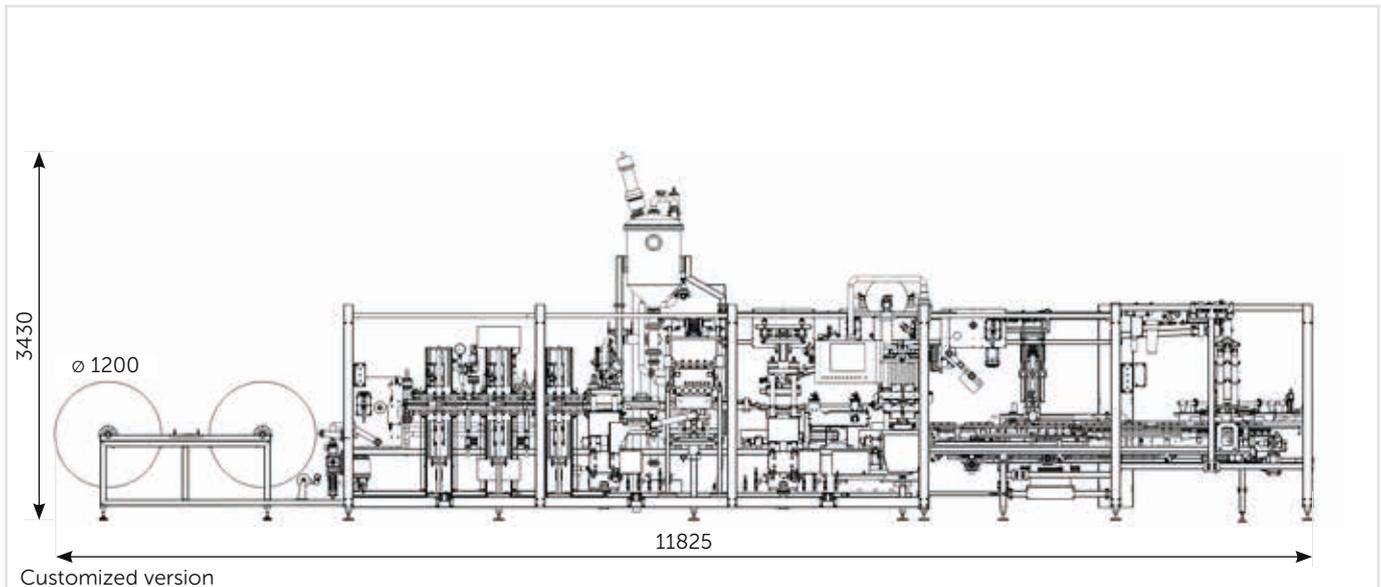
High performance FFS-portion cup machine for a huge variety of cup designs and materials such as PET, PP and PS. Offers maximum accuracy, precise product cut-off and gentle product handling

Less packaging material needed thanks to:

- the use of forming material of minimal thickness
- even heating up of the material and accelerated forming process for an optimally controlled and optimally distributed wall thickness
- minimal punch waste from the low-waste punch unit
- volume-saving, overlapping packing configuration when final packaging into boxes or trays.



P200 TECHNICAL DATA



Material width	max. 280 mm	Draw-off length	max. 290 mm
Forming depth	max. 40 mm		

TYPICAL MATERIALS

Bottom web	PET, PP, PP Multilayer, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	22.000 - 54.000 cups/hour
Portion cups (30-up) 30 cycles/min	54.000 cups/hour
Butter portion cups (25-up) 25 cycles/min	37.500 cups/hour
PP portion cups (25-up) 25 cycles/min.	37.500 cups/hour

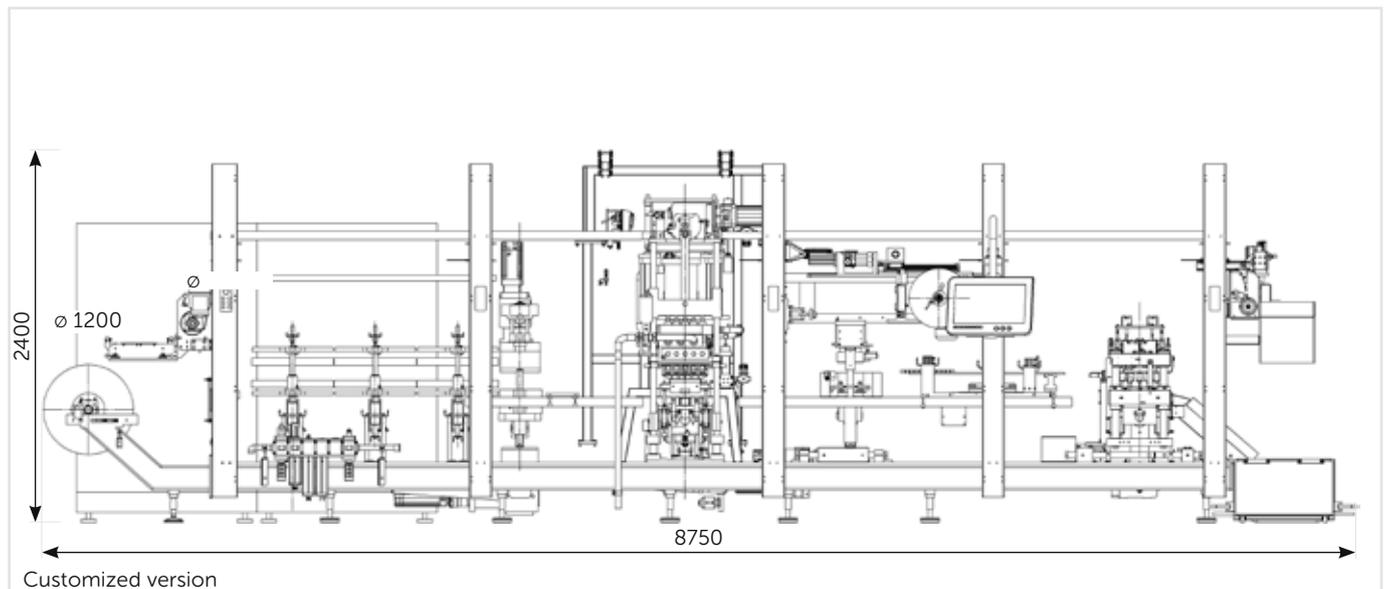
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric
Reel diameters	Bottom web max. 1.200 mm - Lid material max. 400 mm
Punching principle	Grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	PP processing
Lid material	Lateral reel feed with reel diameter max. 600 mm
Punching principle	Low waste, multi punch
Filler	Hot fill 85°C, CIP accessories, compensator, agitator
Control system	Rockwell Automation
Hygiene class	Ultra-clean (VDMA III+IV)
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

P300 TECHNICAL DATA



Material width	max. 340 mm	Draw-off length	max. 340 mm
Forming depth	max. 40 mm		

TYPICAL MATERIALS

Bottom web	PET, PP, PP Multilayer, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	22.500 - 54.000 cups/hour
Portion cups (30-up) 30 cycles/min	54.000 cups/hour
PP portion cups (25-up) 25 cycles/min	37.500 cups/hour
Quark portion cups (15-up) 25 cycles/min	22.500 cups/hour

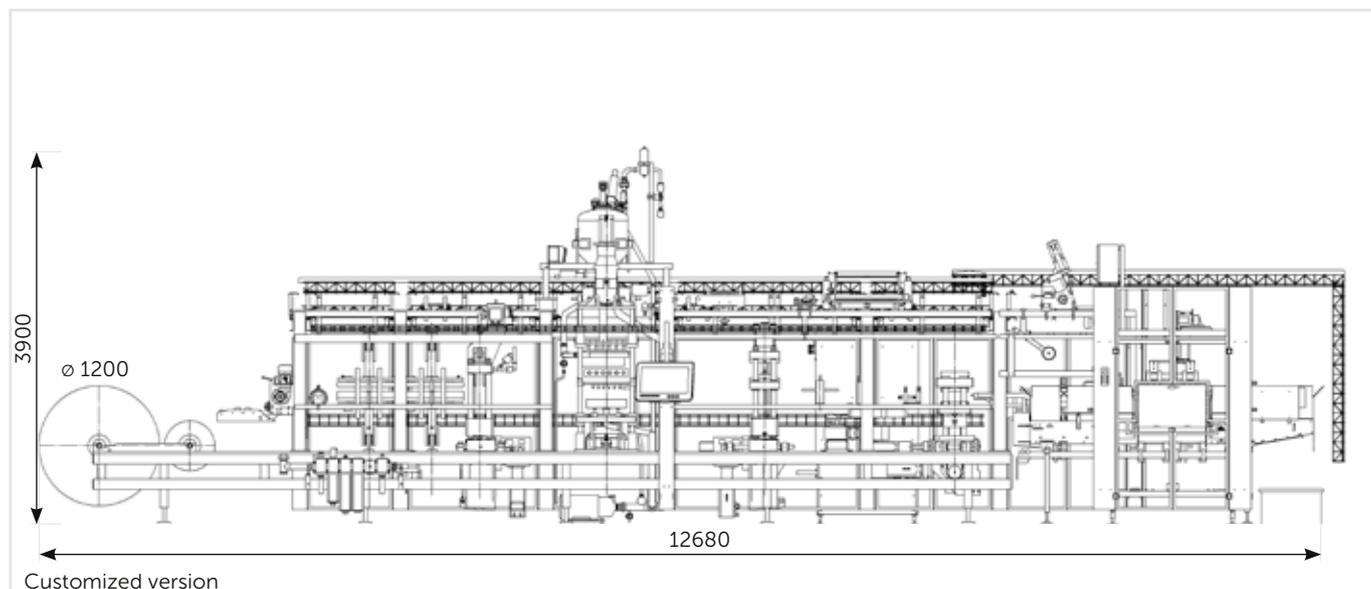
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameters	Bottom web max. 1.200 mm - Lid web max. 400 mm
Punching principles	Low waste, multi, grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	2nd reel and/or 2nd reel with magazine for flying reel change
Lid material	2nd reel and/or 2nd reel with magazine for flying reel change
Filler	Hot fill 85°C, CIP accessories, compensator, agitator
Hygiene class	Ultra-clean (VDMA III+IV), Aseptic (VDMA V), FDA-Aseptic version, other versions on request
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

P500 TECHNICAL DATA



Material width	max. 550 mm	Draw-off length	max. 320 mm
Forming depth	max. 40 mm		

TYPICAL MATERIALS

Bottom web	PET, PP, PP Multilayer, PLA, PS, PS Multilayer, PVC
Lid material	Paper-, PET-, Alu-based or other heat sealable materials

TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	54.000 – 129.600 cups/hour
Portion cups (72-up) 30 cycles/min	129.600 cups/hour
Portion cups (50-up) 30 cycles/min	90.000 cups/hour
PP portion cups (36-up) 25 cycles/min	54.000 cups/hour

STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameters	Bottom web max. 1.200 mm - Lid web max. 600 mm (lateral feed)
Punching principle	Low waste, multi, grid
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Bottom web	2nd reel and/or 2nd reel with magazine for flying reel change
Lid material	2nd reel and/or 2nd reel with magazine for flying reel change
Filler	Hot fill 85°C, CIP accessories, compensator, agitator
Hygiene class	Ultra-clean (VDMA III+IV), Aseptic (VDMA V), FDA-Aseptic version, other versions on request
Cup discharge and secondary packaging	Walking beam, pick & place systems or other end-of-line equipment

HAMBA - FS-MACHINES FOR PRE-FORMED CUPS,

IMA IMA HAMBA has been known for filling and sealing machines for more than 75 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-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.



BOTTLES AND GLASS



The dosing units offer exceptional product flexibility, from liquid to pasty, single-layer or multilayer as well as multiflavor, hot or cold filled products.

Depending on the market and product requirements, the following hygiene levels are available: "Clean", "Ultra-clean", and "Aseptic".

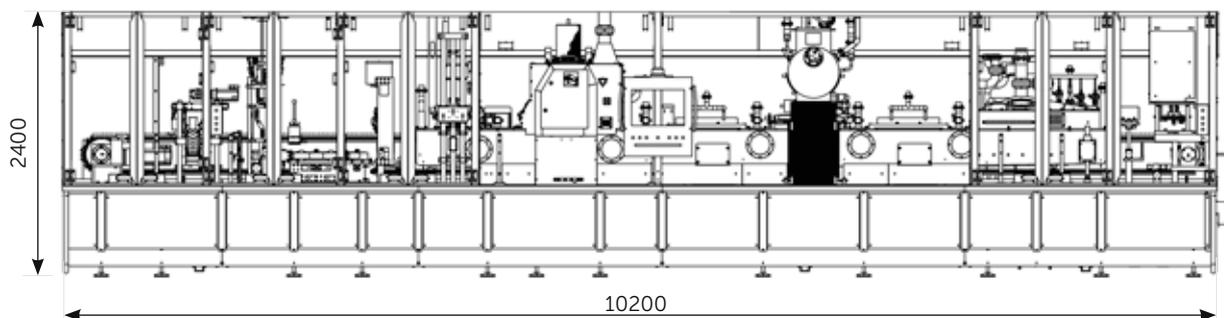


HAMBA FLEXLINE

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 BK II TECHNICAL DATA



Customized version

Model	Cups per cycle	Round (Ø max.)	Height (max.)	Nominal output
1-4 M *	4	127 mm	130 mm	up to 9.600 cups/h
1-6 M *	6	127 mm	130 mm	up to 14.400 cups/h
1-8	8	95 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

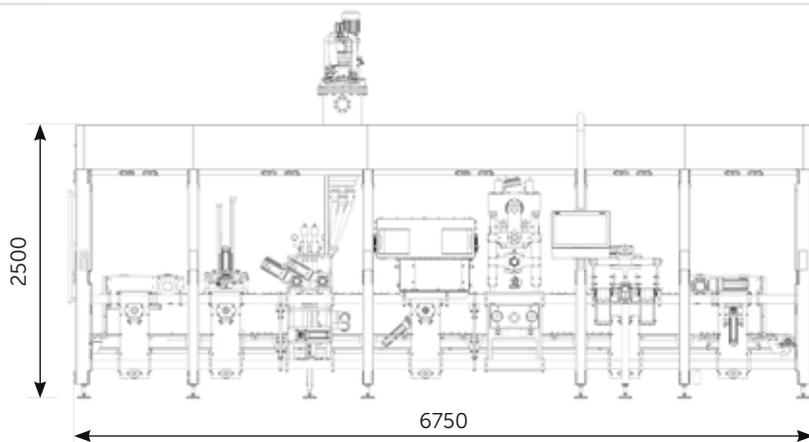
STANDARD EQUIPMENT

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 ink-jet)
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 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	152 mm	150 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	85 mm	150 mm	up to 48.000 cups/h
2-12	24	70 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

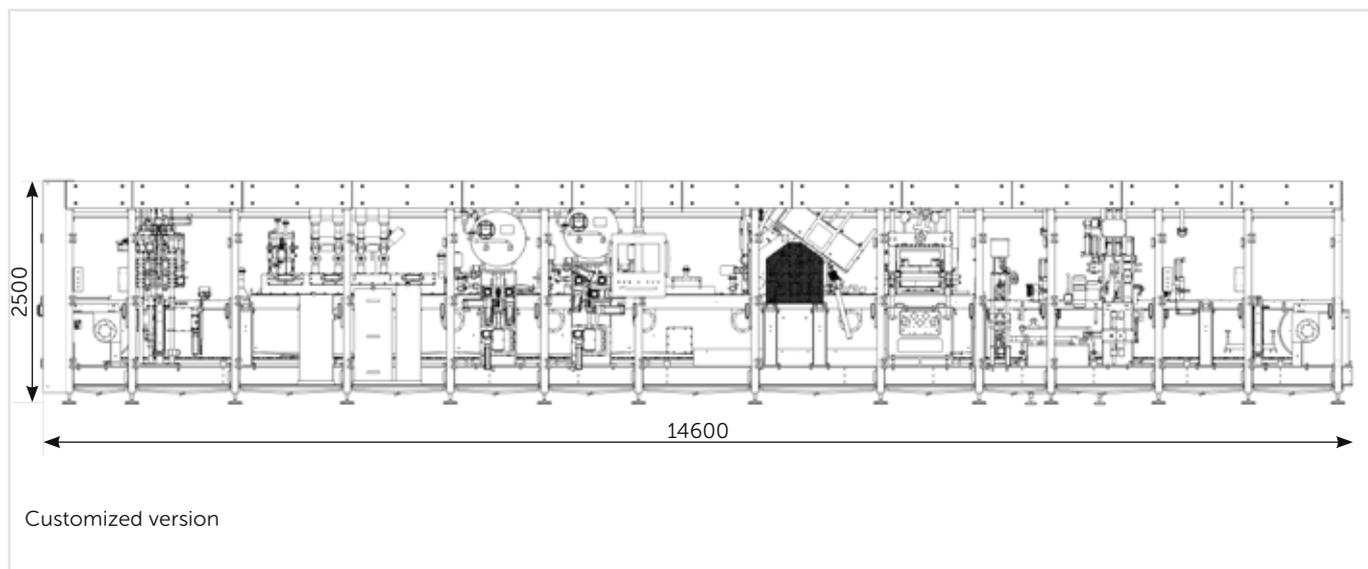
STANDARD EQUIPMENT

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 ink-jet)
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, multiformat 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 FLEXLINE TECHNICAL DATA



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 ink-jet)
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 KIND OF FILLING SOLUTIONS

With its long term experience in filling liquid to pasty products into different kind of cups - in thermoformed as well as in pre-formed cups - IMA HASSIA offers a large variety of different filling possibilities. The fillers are known for their outstanding filling accuracy, a factor which inevitably leads to minimal product loss and enhanced productivity.

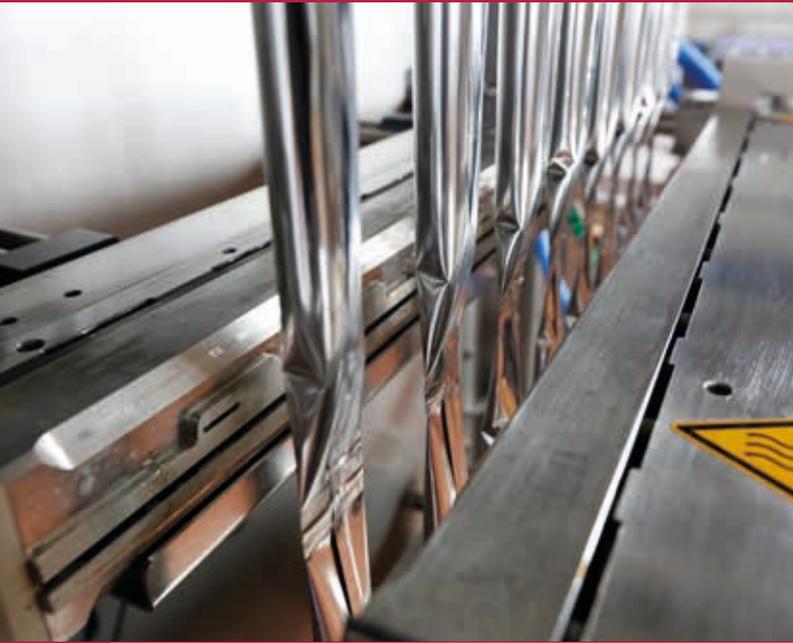
Covering a wide range of filling styles, countless customized and tailor-made design possibilities are available to satisfy specific requests.

Built to ensure maximum flexibility, different products can be processed on the same machine, which can also handle both, small and large volumes. Fillers benefit from automatic, fully controlled SIP/CIP systems for maximum hygiene, and are supplied in full compliance with European regulations.

On demand, equipment can also be delivered compliant with further regulations such as FDA, 3A and EHEDG etc.



S-SERIES - VFFS-MACHINES FOR STICK PACKS



The S-series for Stick Packs is a machine where the versatility of Stick Pack technology is demonstrated above all in the field of easy-to-use pre-portioned consumer, cosmetic and pharmaceutical products.

The Stick Packs can be produced with either fin-, overlap or 3-sided seal.

Hygiene standards are ensured:

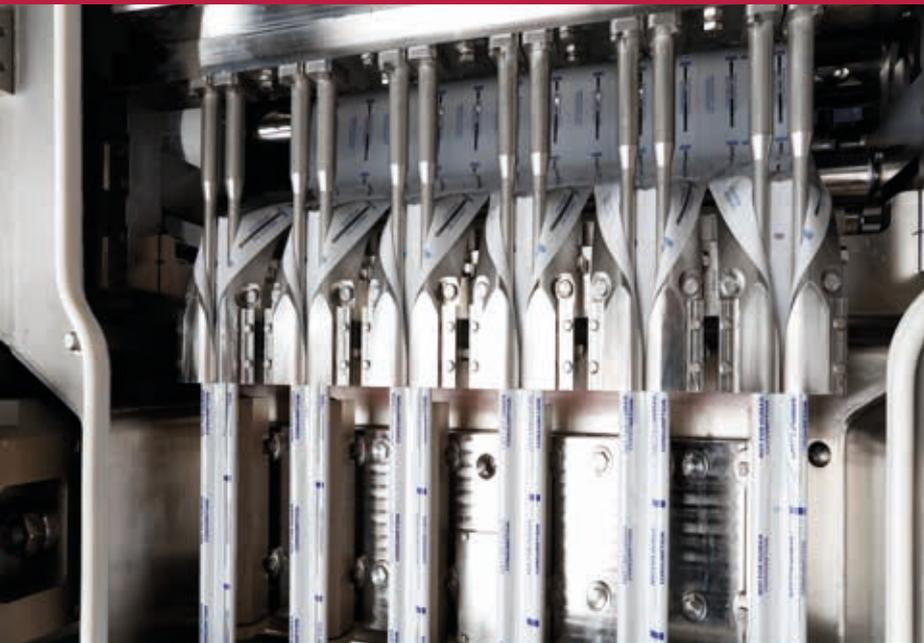
- Clean design is standard
- Ultra-clean versions are available.



S600 / S800

- Careful product handling with focus on quality assurance
- Product specific filling systems with high filling accuracy
- Optimum hygiene standards ensured
- Hermetic pack seal - easy to open
- Excellent convenience
- Output up to 42.000 Stick Packs/h (S600) and 58.800 Stick Packs/h (S800)





IMA HASSIA is the technological leader in the field for a multilane machine producing Aseptic Stick Packs.

The versatility of Aseptic Stick Pack technology is demonstrated above all in the field of easy-to-use pre-portioned sterile products and where extended shelf life is required.

Optimum hygiene standards are ensured:

- **FDA Aseptic Design** is standard
- Operation of the machine in accordance with FDA specifications may require the use of special and pre-perforated packaging material.

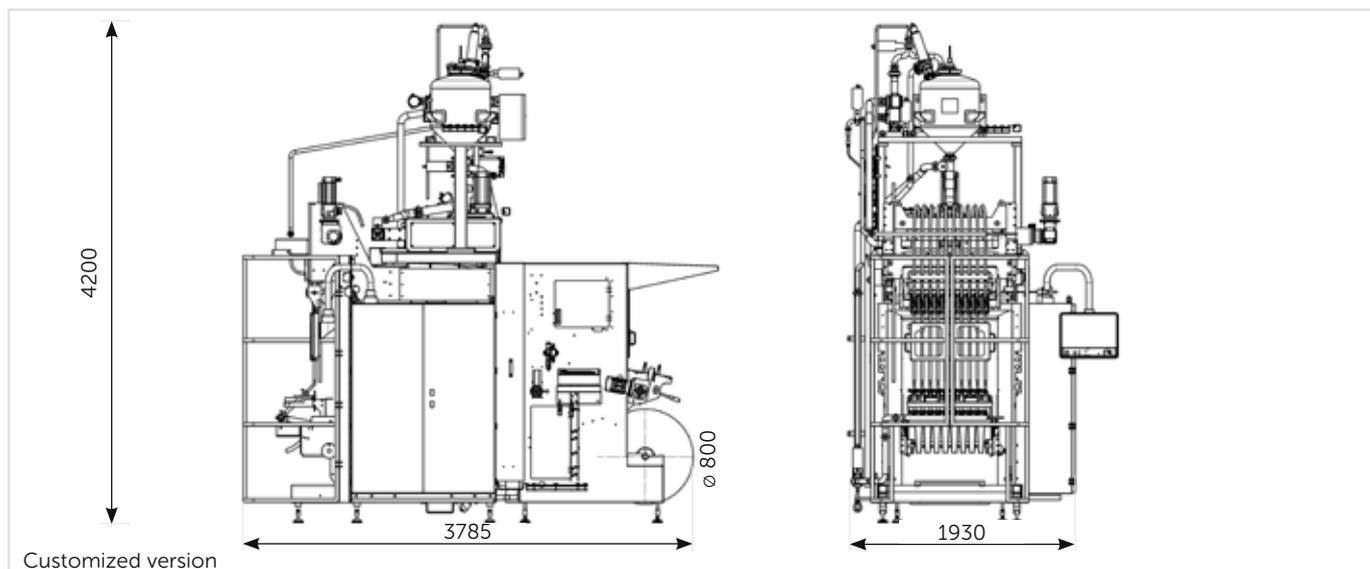


S800A

- Active packaging material sterilization with microbial reduction >log 5
- Product specific filling systems with high filling accuracy
- Optimum hygiene standards ensured
- Excellent convenience
- Output up to 43.200 Stick Packs/h



S600 TECHNICAL DATA



Material width	max. 700 mm	Draw-off length	min. 80 mm - max. 230 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	14.400 - 42.000 Stick Packs/hour
Sauces (10-lanes) 60 cycles/min Fin seal 5 mm 24 x 115 mm (10 ml)	36.000 Stick Packs/hour

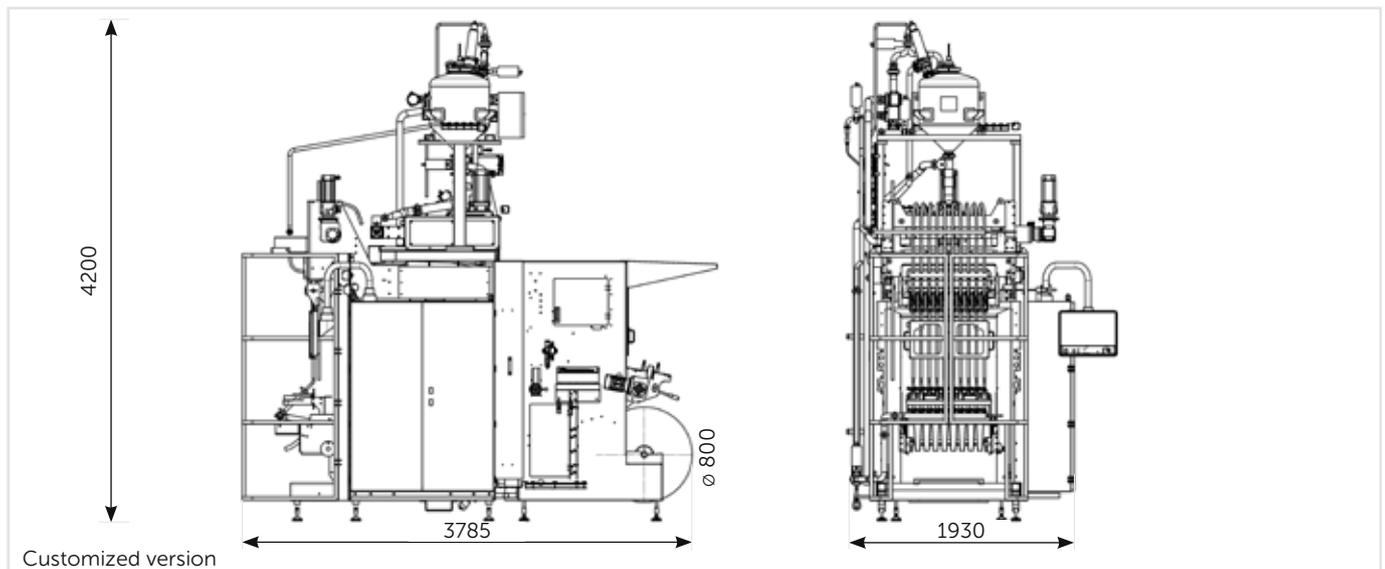
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameter	max. 800 mm
Stick Pack longitudinal seal	Fin seal
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Stick Pack longitudinal seal	3-sided seal, overlap seal
Coding	Ink-jet, laser
Stick Pack configurations	Twin Stick Packs (possible with different volumes and products) with perforation (3-sided sealed Stick Packs only), Stick Pack chains with perforation
Hygiene class	Ultra-clean (VDMA III+IV by means of packaging material decontamination and purge air overlay in the product area)
Others	X-ray/metal detector integration; Stick Pack counting, discharge conveyor, end-of-line packaging equipment

S800 TECHNICAL DATA



Material width	max. 900 mm	Draw-off length	min. 80 mm - max. 230 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	19.200 - 58.800 Stick Packs/hour
Sauces (14-lanes) 60 cycles/min Fin seal 5 mm 24 x 115 mm (10 ml)	50.400 Stick Packs/hour

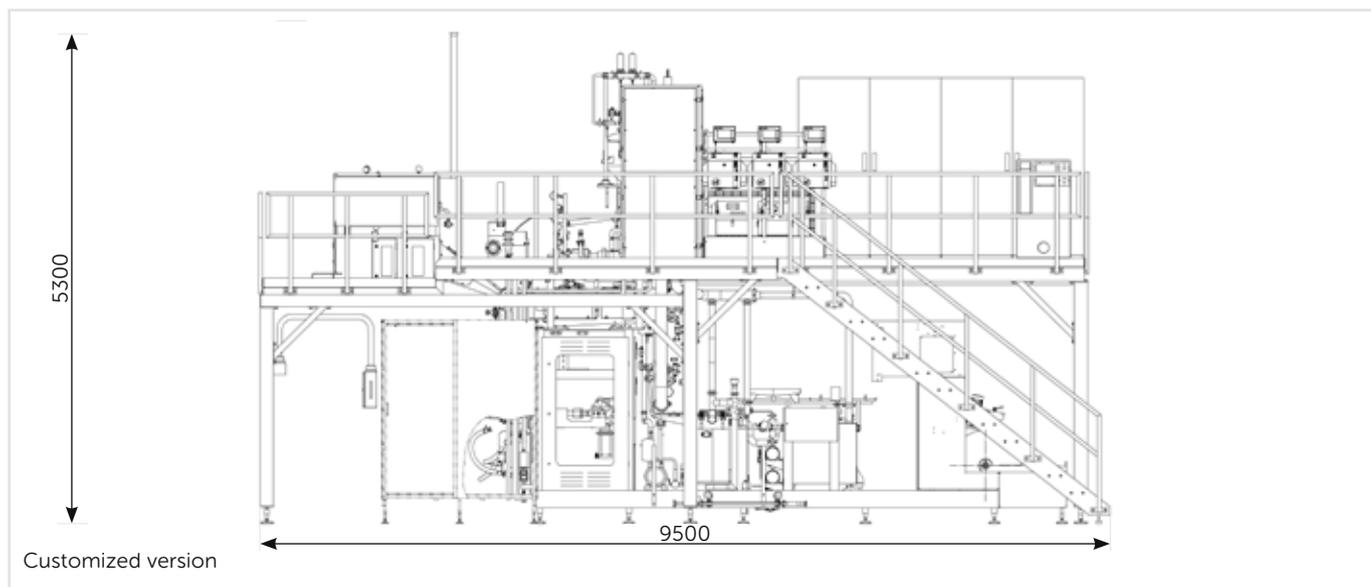
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameter	max. 800 mm
Stick Pack longitudinal seal	Fin seal
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Stick Pack longitudinal seal	3-sided seal, overlap seal
Coding	Ink-jet, laser
Stick Pack configurations	Twin Stick Packs (possible with different volumes and products) with perforation (3-sided sealed Stick Packs only), Stick Pack chains with perforation
Hygiene class	Ultra-clean (VDMA III+IV by means of packaging material decontamination and purge air overlay in the product area)
Others	X-ray/metal detector integration; Stick Pack counting, discharge conveyor, end-of-line packaging equipment

S800A TECHNICAL DATA



Material width	max. 800 mm	Draw-off length	min. 80 mm - max. 230 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials which are resistant against H ₂ O ₂ sterilisation
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	24.000 - 43.200 Stick Packs/hour
Skimmed milk (12-lanes) 55 cycles/min 30 x 115 mm (10 ml)	39.600 Stick Packs/hour
Sour cream (10-lanes) 50 cycles/min 40 x 145 mm (28 ml)	30.000 Stick Packs/hour
Pudding (10-lanes) 40 cycles/min 40 x 225 mm (40 ml)	24.000 Stick Packs/hour

STANDARD EQUIPMENT

Control system	Controller and servo motors Rockwell Automation
Reel diameter	max. 800 mm
Stick Pack seal	3-sided sealed Stick Pack
Hygiene class	FDA Aseptic Design

TYPICAL OPTIONS

FDA-Aseptic machine operation	Pre-scored material needed for operation according to FDA regulations
Coding	Laser
Stick Pack configurations	Twin Stick Packs (possible with different volumes and products) with perforation (3-sided sealed Stick Packs only), Stick Pack chains with perforation
Others	X-ray/metal detector integration; Stick Pack counting, discharge conveyor, end-of-line packaging equipment

F-SERIES - VFFS-MACHINES FOR SACHETS

With the F-series for sachets, IMA HASSIA offers a modular machine that can be matched to the requirements of both - the market and the product.

The F-series for sachets produces 4-sided-sealed sachets for consumer, cosmetic and pharmaceutical products.

Hygiene standards are ensured:

- Clean design is standard
- Ultra-clean versions are available.



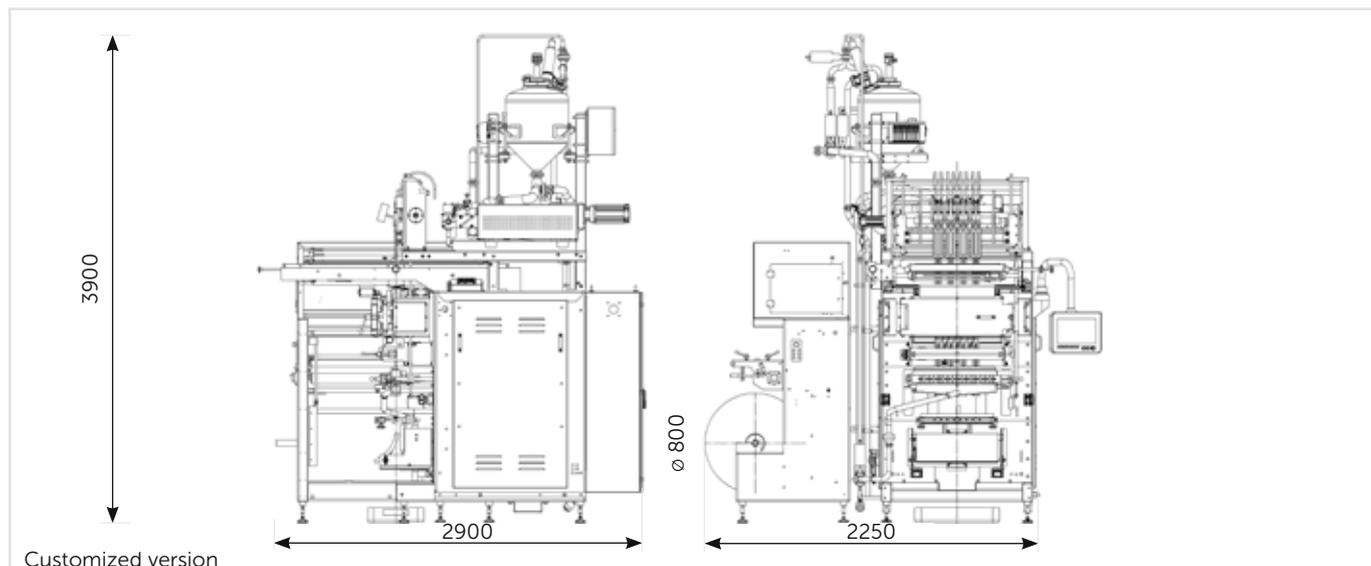
F600 / F800 SIMPLEX

- Customer- and product-specific design
- Adjusted to the product and production requirements
- Many different sachet designs are possible
- Size configuration according to the requested production capacity
- Flexible control concepts
- Integration with customer-specific systems
- All materials suitable for heat-sealing can be processed
- Output up to 76.800 sachets/hour (F600) and up to 96.000 sachets/hour (F800)



F600 DUPLEX

F600 SIMPLEX TECHNICAL DATA



Material width	max. 1.200 mm	Draw-off length	min. 80 mm - max. 200 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	7.200 - 76.800 Sachets/hour
Sauces (16-lanes) 70 cycles/min 40 x 90 mm (20 ml)	67.200 Sachets/hour

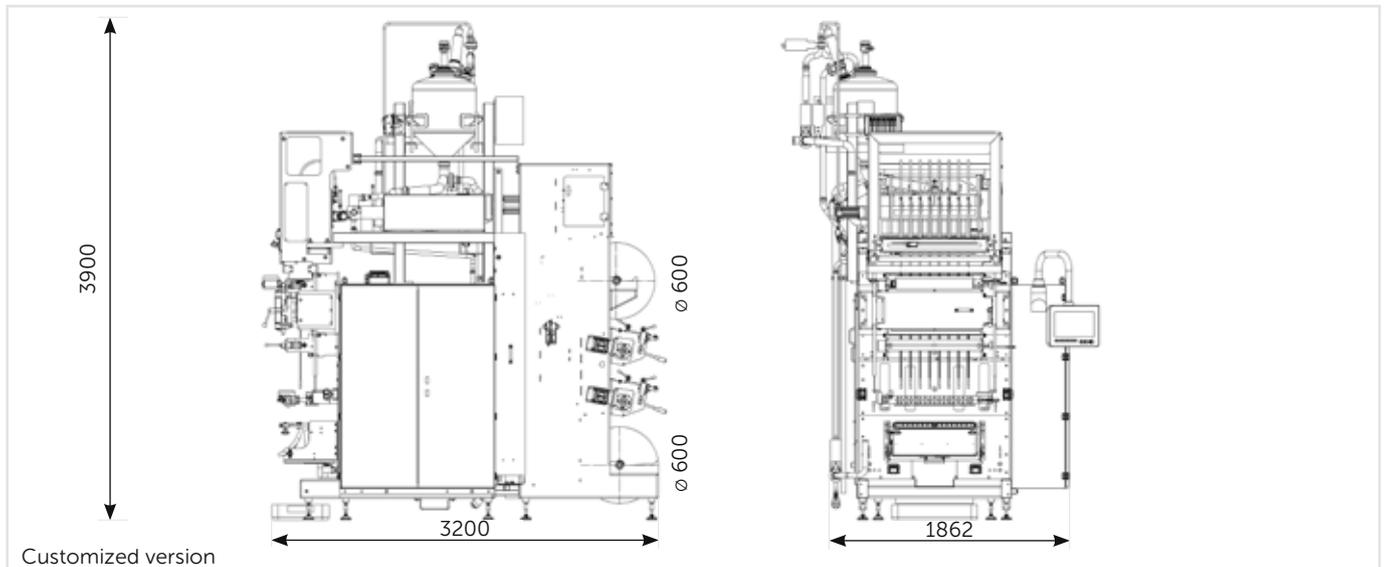
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameter	max. 800 mm
Sachet seal	4-sided sealed sachet
Coding	Embossing
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Sachet sealing	various contour sealings
Dosierung	Two (2) products (e.g. vinegar & oil) also possible in one sachet
Coding	Ink-jet, laser
Sachet configurations	Twin sachets with perforation, sachet chains with perforation
Hygiene class	Ultra-clean (VDMA III+IV by means of packaging material decontamination and purge air overlay in the product area)
Others	X-ray/metal detector integration; sachet counting, discharge conveyor, end-of-line packaging equipment

F600 DUPLEX TECHNISCHE DATEN



Material width	max. 2 x 600 mm	Draw-off length	min. 80 mm - max. 200 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	7.200 - 76.800 Sachets/hour
Sauces (16-lanes) 70 cycles/min 40 x 90 mm (20 ml)	67.200 Sachets/hour

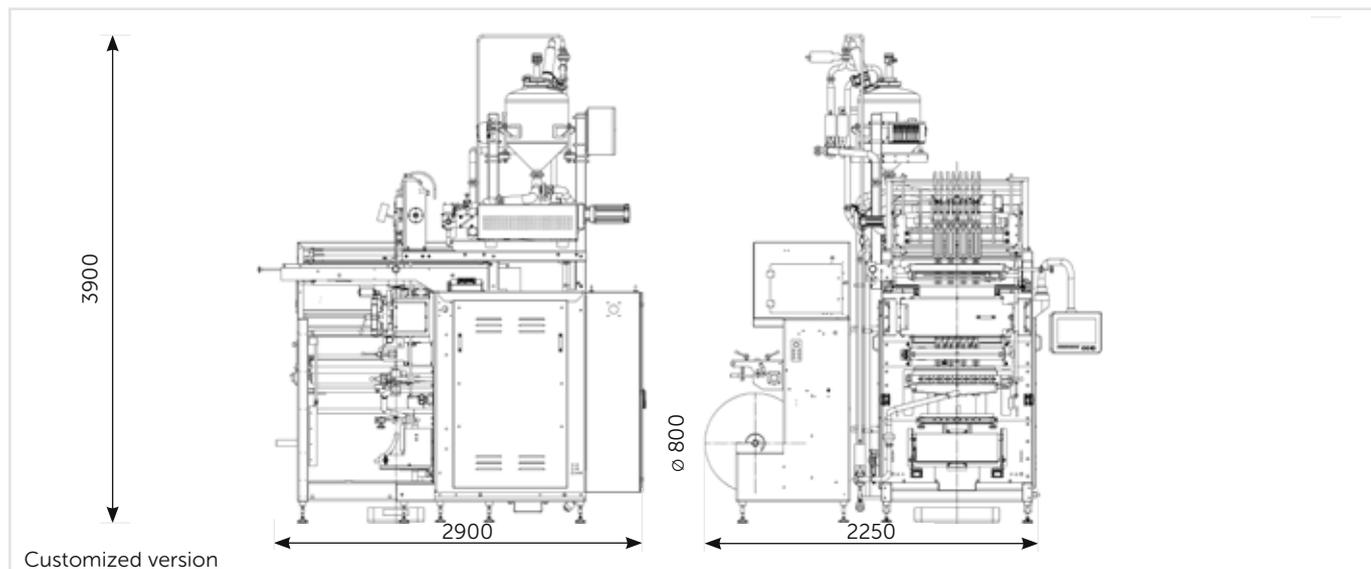
STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameter	max. 600 mm
Sachet seal	4-sided sealed sachet
Coding	Embossing
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Sachet sealing	various contour sealings
Dosierung	Two (2) products (e.g. vinegar & oil) also possible in one sachet
Coding	Ink-jet, laser
Sachet configurations	Twin sachets with perforation, sachet chains with perforation
Hygiene class	Ultra-clean (VDMA III+IV by means of packaging material decontamination and purge air overlay in the product area)
Others	X-ray/metal detector integration; sachet counting, discharge conveyor, end-of-line packaging equipment

F800 SIMPLEX TECHNICAL DATA



Material width	max. 1.600 mm	Draw-off length	min. 80 mm - max. 200 mm
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TYPICAL MATERIALS

Materials	PET/PETmet/PE or other heat sealable materials
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TYPICAL OUTPUT RANGE AND APPLICATION EXAMPLES

Range	9.600 - 76.800 Sachets/hour
Sauces (20-lanes) 80 cycles/min 40 x 90 mm (20 ml)	96.000 Sachets/hour

STANDARD EQUIPMENT

Control system	Controller and servo motors Schneider Electric or Rockwell Automation
Reel diameter	max. 800 mm
Sachet seal	4-sided sealed sachet
Coding	Embossing
Hygiene class	Clean (VDMA I+II)

TYPICAL OPTIONS

Sachet sealing	various contour sealings
Dosierung	Two (2) products (e.g. vinegar & oil) also possible in one sachet
Coding	Ink-jet, laser
Sachet configurations	Twin sachets with perforation, sachet chains with perforation
Hygiene class	Ultra-clean (VDMA III+IV by means of packaging material decontamination and purge air overlay in the product area)
Others	X-ray/metal detector integration; sachet counting, discharge conveyor, end-of-line packaging equipment

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)



OUR PORTFOLIO OF ULTRA-CLEAN AND ASEPTIC



IMA HASSIA ASEPTISCHE UND ULTRA-CLEAN FFS- UND VFFS-MASCHINEN

Active packaging material sterilization with microbial reduction.

- LOG 4 or LOG 5 germ reduction on packaging material depending on requirements
- LOG 4 germ reduction for the sterile zone
- LOG 5 germ reduction for the filler(s)
- suitable for high and low acid products (pH \leq 4.5) with a long shelf life outside of cold chain
- UVC or Pulsed Light decontamination
- Sterilization media steam (cups) or H₂O₂ (Stick Pack)
- FDA design and approval on request

P300 - P500



FFS Portion Cups

22.000 - 129.600 cups/hour

P300A - P500A



C300 - C500 - C800



FFS CUPS

12.000 - 86.640 cups/hour

C300A - C500A - C800A



S600 - S800



VFFS STICK PACK

14.400 - 58.800 Stick Packs/hour

S800A



F600 - F800



VFFS SACHETS

7.200 - 96.000 Beutel/hour



PACKAGING SOLUTIONS

HAMBA ASEPTISCHE UND ULTRA-CLEAN FS-MASCHINEN

Active packaging material sterilization with microbial reduction.

- LOG 4 or LOG 5 germ reduction on packaging material depending on requirements
- LOG 4 germ reduction for the sterile zone
- LOG 5 germ reduction for the filler(s)
- suitable for high and low acid products (pH <=> 4.5) with a long shelf life outside of cold chain
- UVC or Pulsed Light decontamination
- Sterilization media H₂O₂



FS Cups

HAMBA BK-NEO



HAMBA BK II



HAMBA FLEXLINE



9.600 - 57.600 Becher/Stunde



OUR ASEPTIC COMPETENCE CENTER - YOUR PARTNER

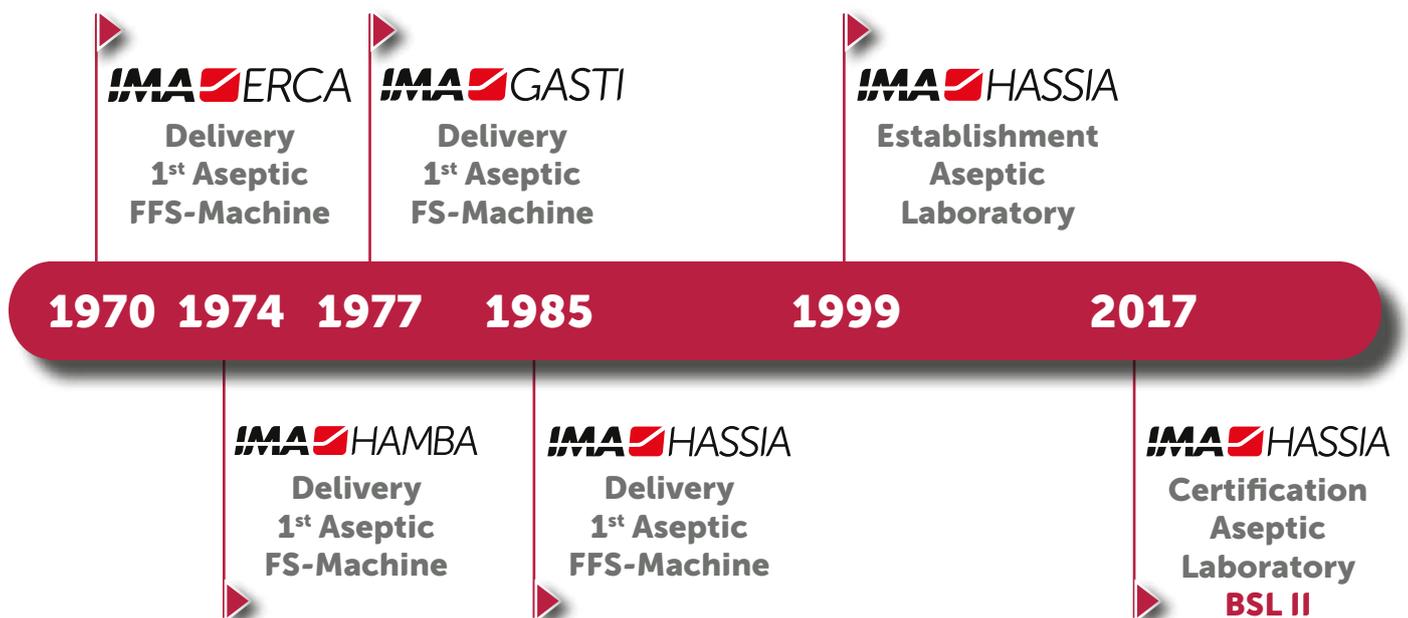


The increased demands of consumers for extended shelf life of sensitive products without the use of preservatives were the reason for our group to establish an Aseptic Competence Center at the Ranstadt site.

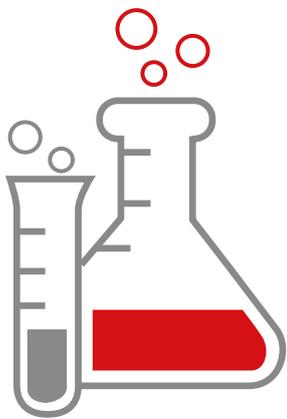
Our companies can look back on around 50 years of experience in the aseptic sector and we have had our own laboratory since the late 1990s. In order to offer our customers more security regarding aseptic packaging and thus longer shelf life of their products, we have established our Aseptic Competence 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



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

Review and optimization of the cleaning result (CIP)

Contamination, preparation and evaluation of samples

YOUR ADVANTAGES AT A GLANCE

- We offer a complete package from one source.
- Our specialists evaluate all samples for you in our certified biosafety level II laboratory in Ranstadt.
- Our certificate is your proof for hygienic and safe filling processes in your factory.
- 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 NEEDS

WE ACCOMPANY THE CUSTOMER AT ALL LEVELS.

STARTING WITH INTENSIVE SUPPORT DURING THE DEVELOPMENT PHASE BEFORE DEFINING THE SOLUTION UP TO THE COMPLETE TECHNICAL ASSISTANCE AT THE CUSTOMER'S SITE DURING THE ENTIRE LIFETIME OF A MACHINE.



A team of experts is available to respond to any mechanical or electrical issue and skilled engineers are on call at IMA branches worldwide.

In order to assure the highest level of technical assistance, all IMA technicians are fully trained and kept constantly up to date with the latest technical developments in their sector. Having locally based 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 HASSIA machinery is a sound choice as existing machines are open to upgrading with new technologies.

TECHNOLOGICAL IMPROVEMENTS

- CONVERSIONS
- UPGRADES
- REFURBISHMENTS
- PRE-OWNED EQUIPMENT
- OBSOLETE TECHNOLOGY REPLACEMENT



OPERATIONS SUPPORT

- FIELD SERVICE
- SPARE PARTS
- INSPECTION AGREEMENTS
- REMOTE SERVICES
- RELOCATION

PRODUCTIVITY ASSISTANCE

- AUDITING
- TRAINING
- OPERATIVE SUPPORT
- CONSULTING

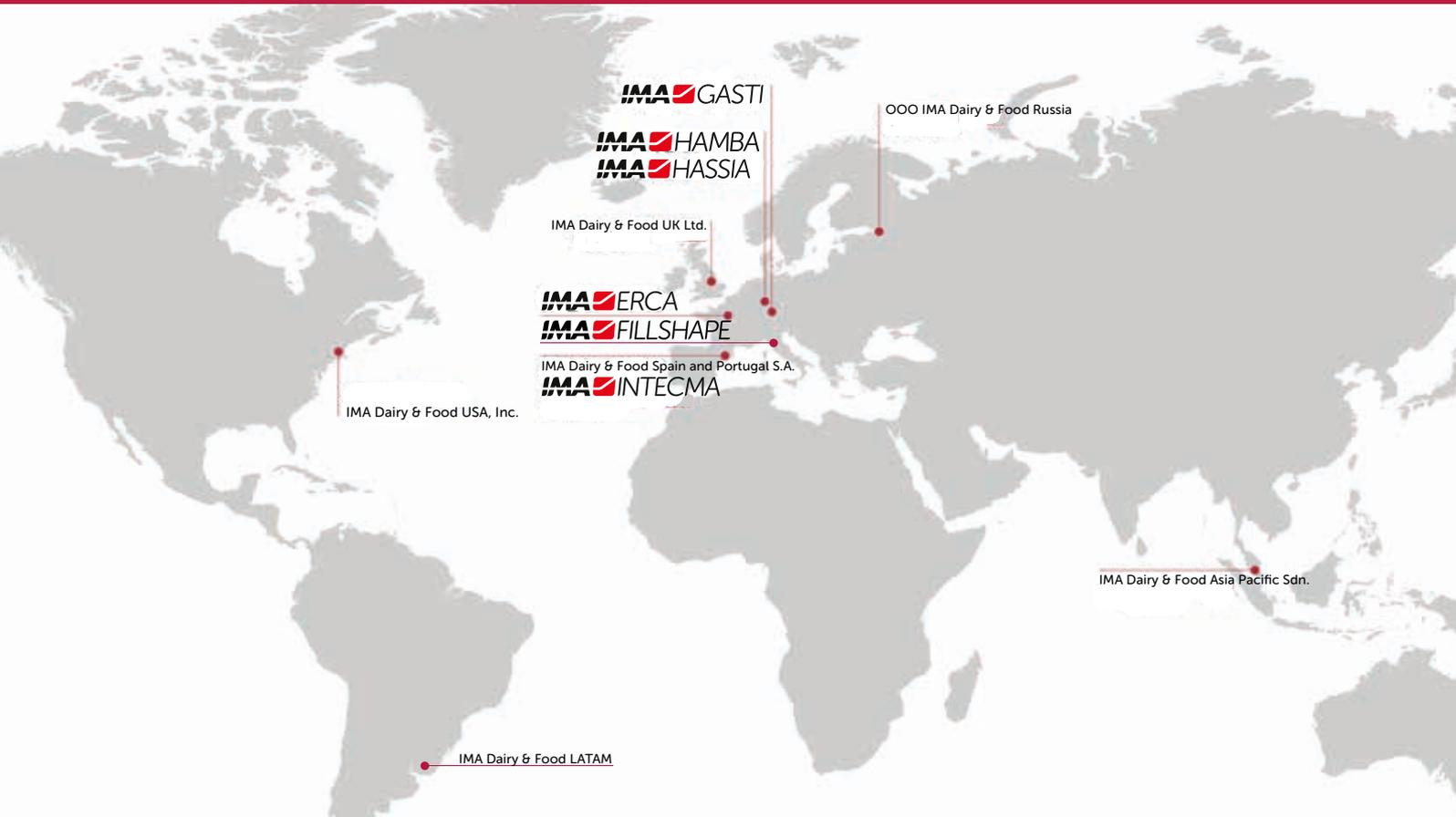
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