

CONTRACT MANUFACTURING

CAPSULES | TABLETS | LIQUIDS | STICKS







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Pharma & food supplements

GMP, IFS, Organic

Medium-sized to large batches



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Food supplements

GMP-Food, ISO 22000, Organic

Small to medium-sized batches

Contract manufacturing in Germany and Austria

Founded in 2021, HKS health solutions International is a young company at first glance. Yet it brings together more than 100 years of history under its umbrella thanks to its subsidiary companies. HKS Health Solutions is based on six already long-established companies from the food supplement and pharmaceutical sector, whose strengths are now combined and made available within the HKS International group at two locations in Germany and Austria.

The range of services on offer now covers the entire value creation chain, from the trading of raw

materials and the distribution of finished products to contract manufacturing of small quantities to large batches.

Within contract manufacturing, you will find the ideal dosage form for your product: we produce capsules, sticks, liquids, tablets and powder filling on a contract manufacturing basis. Customised services from Product Development, Fulfillment & Logistics can also be offered.

The expert teams from HKS health solutions look forward to receiving your enquiry.





Your advantages

- High level of product diversity for food supplements, medicinal products, pharmaceuticals and cosmetics
- Capsules, tablets, liquida, sticks etc.
- Raw material database & over 1500 raw materials constantly in stock
- Contract manufacturing of small quantities to large batches
- Production in Germany and Austria
- ISO 22000, IFS, GMP and organic-certified production sites
- Product development
- Professional consulting by expert teams
- Short-term production & implementation
- Logistics & fulfillment services



Product development

We support you in all stages of product development and optimisation, including from a regulatory point of view:

- Selection of active ingredients
- Development of formulations
- Production of development batches including process validation





At HKS health solutions International, the demand for the highest quality applies not only to the production of medicines but also to the manufacture of food supplements. Development can also take place under GMP standards in our own laboratory.

The range of possible products covers the entire spectrum of food supplements demanded by the market – we even start our product development for you from small purchase quantities.





Together, we develop a product that meets your needs and plan an individual concept from quality control, upscaling and production to packaging.

Capsules

Gelatine capsules

Capsule sizes	00	0	1	3
Dimensions (Scale 1:1)	 Length: 22 mm	 Length: 21 mm	 Length: 19 mm	 Length: 15 mm
Colour and item number	<ul style="list-style-type: none"> □ transparent - R000408 □ white - R000405 ■ blue - R003090 	<ul style="list-style-type: none"> □ transparent - R000409 □ white - R000406 ■ green - R000578 	<ul style="list-style-type: none"> □ transparent - R000428 □ white - R000532 	<ul style="list-style-type: none"> □ transparent - R000410 □ white - R000407




Vegetarian capsules

Capsule sizes	00	0	1	3
Dimensions (Scale 1:1)	 Length: 22 mm	 Length: 21 mm	 Length: 19 mm	 Length: 15 mm
Colour and item number	<ul style="list-style-type: none"> □ transparent - R000411 □ white - R000414 ■ green - R000549 	<ul style="list-style-type: none"> □ transparent - R000412 □ white - R000415 ■ ivory - R001400 ■ red - R000548 	<ul style="list-style-type: none"> □ transparent - R000427 	<ul style="list-style-type: none"> □ transparent - R000413 □ white - R000416

Typical capacities for capsules

Capsule sizes	00	0	1	3
Capacity (approximate) in mg	600-700 mg	400-500 mg	300-350 mg	200 mg

DRcaps™

Capsule sizes	00	0	1
Dimensions (Scale 1:1)	 Length: 22 mm	 Length: 21 mm	 Length: 19 mm
Colour and item number	transparent - R001619 white - R001621	transparent - R001618 white - R001620	transparent - R001975

DRcaps™ from Capsugel® are certified vegan hard capsules with unique properties, which delay the release of their contents after being taken (clinically tested). DRcaps™ are comprised of the secondary plant compounds hydroxypropyl methylcellulose (HPMC) and gellan gum. These promote digestion in the same way as fibre and are not absorbed by the body. Thanks to the use of plant compounds, they contain on average 6% less moisture than gelatine capsules.

ADVANTAGES:

- Acid resistance and delayed release without additional coating agents.
- Improved stability for acid-sensitive, moisture-sensitive ingredients.
- Increased taste and odour masking of ingredients.

Tablets

The tablet sizes vary between 7 - 19 mm in diameter and can be offered in oblong, biplanar or biconvex shapes. Whether bulk, blister packs or containers, we will be happy to advise you on possible packaging.

Ø (mm)	h (mm)	Shape
7	4	biconvex
9	6	biconvex
13	5	biplanar
13	5	biplanar with score
15	5,5	biplanar
19x10	6	oblong



The minimum order quantity is 400,000 tablets.

Liquids

We fill your liquids into bottles made from glass or plastic. We also offer various matching closures, such as dropper caps, pouring inserts and pipettes. The capacity of the bottles and containers is between 10 ml and 250 ml.

Bottle formats	10 ml	20 ml	30 ml	50 ml	100 ml	250 ml
Dropper	x	x	x	x	x	
Pump spray		x	x			
Glass pipette			x	x		
Pouring ring					x	x



The minimum order quantity is 500 bottles.

Stick packs

Liquids and powder formulations in a stick pack

This dosage form, which can be used in many areas of application, is fully in keeping with current trends and impresses with the possibility of individual size adjustment and good dosing of the respective daily allowance. We offer you a complete service, from flavour development and filling to packaging.

Processing of free-flowing granulate in powder form and liquids

The film is fed in via a roller mechanism and shaped into a precise stick shape. The sticks are filled from the filling container via a screw conveyor. In the same working step, the stick is then automatically closed with the longitudinal seal head system.



The minimum order quantity is 6,000 sticks

Closure options:

- Bottle neck perforation: recommended for liquids
- Tear cut: Stick lasering recommended for powder (print mark controlling required)

Specifications	
Film material	Alu composite film or coated, heat sealable paper
Pouch dimensions	Length: approx. 40-130 mm Width: approx. 25 mm
Print two-line	1st line: Batch/name (max. 23 characters) 2nd line: Date

Powder filling

Contract filling of large and small quantities

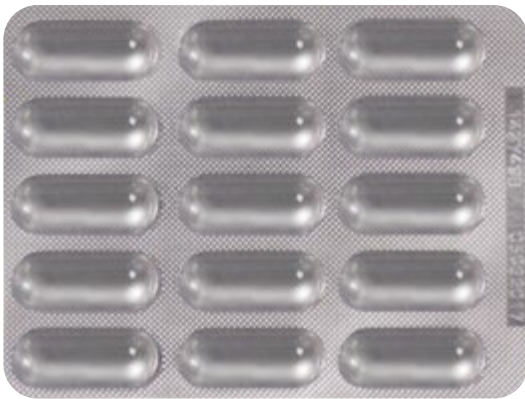
- Mixing
- Containers
- Stand-up pouches
- PE/alu pouches
- PE buckets



The minimum order quantity depends on the type of packaging and the filling weight.

PACKAGING

Blister packs



Shape 1

Dimensions	70 x 93 mm
Chamber height	8 mm
Capsule size	Size 0
Quantity of capsules	15 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	71	95	11	72	97	13
2	71	95	19	72	97	21
4	71	95	34	72	97	36
8	71	95	67	72	97	68



Shape 2

Dimensions	70 x 110 mm
Chamber height	8 mm
Capsule size	Size 0
Quantity of capsules	15 pcs.
Blister print	Shape 2: Foil and cliché Shape 2 NOAK: only foil

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	71	112	11	72	114	13
2	71	112	19	72	114	21
4	71	112	34	72	114	36
8	71	112	67	72	114	68



Shape 3

Dimensions	70 x 60 mm
Chamber height	8 mm
Capsule size	Size 0
Quantity of capsules	10 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	61	72	11	62	74	13
2	61	72	19	62	74	21
4	61	72	34	62	74	36
8	61	72	67	62	74	68



Shape 4

Dimensions	61 x 84 mm
Chamber height	6 mm
Capsule size	Size 3
Quantity of capsules	10 pcs.
Blister print	only foil

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	62	86	9	63	88	11
2	62	86	15	63	88	17
4	62	86	26	63	88	28
8	62	86	51	63	88	53



Shape 5

Dimensions	70 x 110 mm
Chamber height	9,5 mm
Capsule size	Size 00
Quantity of capsules	15 pcs
Blister print	only foil

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	71	112	12,5	72	114	14,5
2	71	112	20,5	72	114	22,5
4	71	112	35,5	72	114	37,5
8	71	112	68,5	72	114	69,5



Shape 6

Dimensions	70 x 60 mm
Chamber height	9,5 mm
Capsule size	Size 00
Quantity of capsules	10 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	61	72	12,5	62	74	14,5
2	61	72	20,5	62	74	22,5
4	61	72	35,5	62	74	37,5
8	61	72	68,5	62	74	69,5



Shape 7

Dimensions	70 x 60 mm
Chamber height	9,5 mm
Capsule size	Size 00
Quantity of capsules	10 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	61	72	12,5	62	74	14,5
2	61	72	20,5	62	74	22,5
4	61	72	35,5	62	74	37,5
8	61	72	68,5	62	74	69,5



Shape 8

Dimensions	70 x 60 mm
Chamber height	8 mm
Capsule size	Size 0
Quantity of capsules	7 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	61	72	11	62	74	13
2	61	72	19	62	74	21
4	61	72	34	62	74	36
8	61	72	67	62	74	68



Shape 9

Dimensions	70 x 60 mm
Chamber height	8 mm
Capsule size	Size 0
Quantity of capsules	8 pcs
Blister print	Foil and cliché

Folded box dimensions in mm						
Blister pack per box	without package insert (LxWxH)			with package insert (LxWxH)		
1	61	72	11	62	74	13
2	61	72	19	62	74	21
4	61	72	34	62	74	36
8	61	72	67	62	74	68

Additional blister packs

Shape No.	Blister dimensions	Capsule size	Quantity of capsules	Chamber height (mm)
Shape 10	70 x 119	0	20	8,1
Shape 11	70 x 119	0	16	-
Shape 12	70 x 119	0	15, diagonal	8,2
Shape 13	64 x 116	1	15, diagonal	7,4
Shape 14	70 x 119	0	20	8,5

Film quality
PVC/PVDC
PVC

Blister printing
PVC/PVDC
Cliché printing

Package insert	Folded box dimensions LxWxH (mm)	Capsule size	Quantity of capsules Total	Quantity of blisters	Quantity capsules/blister
Yes	74x20x124	0	20	1	20
Yes	74x32x124	0	60	3	20
Yes	74x20x126	1	30	2	15
Yes	74x37x126	1	60	4	15
Yes	74x32x124	0	60	3	20
Yes	74x22x124	0	30	2	15
Yes	74x40x124	0	60	4	15
Yes	120x74x124	0	180	12	15

Tablet blister packs

Blister dimensions (mm)	Tablet size Ø	Quantity of tablets	Chamber height (mm)
58 x 98	9	15	5,45

Tablet quality
non-coated

Please feel free to contact us if you have any questions about individual design options for your blister products.

Blister foil printing

Foil printing

Single-colour foil printing on the back of the blister pack. This in-house printing technique is intended for short runs and a printable template is required for the creation of the printing stamp.

Cliché printing

Single or multicolour cliché printing is suitable for larger quantities. Our printing partners produce the printed foil on rolls. Here, a printable template is required, too.



Glass

Light-inhibiting amber glass is suitable for a wide range of pharmacy products and dietary supplements. The exclusive violet glass series adds special accents with its sophisticated look and, like amber glass, offers optimal protection for the contents.

Container sizes	Max. capsule quantity with capsule sizes				Max. label size
	00	0	1	3	
Violet glass including closure and safeguard					
100 ml	60	70	90	180	140 mm x 65 mm
150 ml	77	90	150	250	170 mm x 65 mm
250 ml	120	180	240	450	223 mm x 65 mm
Amber glass					
100 ml	60	70	90	180	150 mm x 50 mm
175 ml	90	120	150	290	173 mm x 65 mm
250 ml	120	180	240	450	195 mm x 66 mm

Other models available on request



We will be happy to advise you on the selection of sustainable, resource-friendly packaging.

Securipack containers



Container sizes	Colours	Diameter	Height	Height with lid	Item No.
40 ml	white	42 mm	54 mm	56 mm	R001740
100 ml	white	51 mm	78 mm	80 mm	R000362
150 ml	white	59 mm	82 mm	84 mm	R000363
250 ml	white	59 mm	112 mm	114 mm	R000364
500 ml	white	75 mm	142 mm	145 mm	R000440
1000 ml	white	98 mm	162 mm	165 mm	R001537

Securipac closures

Closures	Colours	Diameter	Height	suitable for	Item No.
	white	32 mm	15 mm	40 ml container	R001742
	white	42 mm	16 mm	100 ml container 150 ml container 250 ml container	R000365
	white	53 mm	18 mm	500 ml container	R000443
	white	98 mm	24 mm	1000 ml container	R000442

PET Packer containers



Container sizes	Colours	Diameter	Height	Height with lid	Item No.
60 ml	blue	39 mm	70 mm	71 mm	R985167
	brown				R001477
100 ml	blue	47 mm	85 mm	88 mm	R000435
	brown				R000554
	green				R000479
	white				R000858
120 ml	blue	49 mm	90 mm	93 mm	R001715
	green				R001719
150 ml	blue	50 mm	103 mm	105 mm	R000436
	brown				R000555
	green				R000480
	white				R001213

PET Packer induction closures

Closures	Colours	Internal - Ø	External - Ø	Height	suitable for	Item No.
	white (ribbed)	33 mm	35 mm	11 mm	60 ml container	R003006
	white (ribbed)	38 mm	40 mm	11 mm	100 ml container 150 ml container	R001605
	black (ribbed)	38 mm	40 mm	11 mm	100 ml container 150 ml container	R001607
	silver (smooth)	38 mm	41 mm	11 mm	100 ml container 150 ml container	R001780
	white (ribbed)	45 mm	47 mm	11 mm	200 ml container 250 ml container 500 ml container	R001606
	black (ribbed)	45 mm	47 mm	11 mm	200 ml container 250 ml container 500 ml container	R001608
	silver (smooth)	45 mm	48 mm	11 mm	200 ml container 250 ml container 500 ml container	R001974
	white (ribbed)	53 mm	57 mm	11 mm	600 ml container	R001801



Container sizes	Colours	Diameter	Height	Height with lid	Item No.
200 ml	blue	58 mm	108 mm	110 mm	R001108
	white	60 mm	106 mm	109 mm	R001973
250 ml	blue	64 mm	110 mm	113 mm	R000437
	brown				R000566
	green				R000481
	white				R000859
500 ml	blue	78 mm	125 mm	128 mm	R000438
	brown				R001446
600 ml	blau	80 mm	150 mm	153 mm	R001802

and more ...

In addition to our standard product range, we can offer further container versions for your individual needs.

Various packaging solutions are available to you in a wide range of shapes and sizes.

We are looking forward to your request!



Stand-up pouches

High-quality stand-up pouches are available in various versions and colours. These can naturally be printed according to your preferences. All organic stand-up pouches are certified in accordance with standard DIN EN 13432.



Stand-up pouches
with and without windows
from 100 ml to 5000 ml
Kraft brown
Thickness: 117 µm
Film composite: Kraft paper / alu / CPP

Organic stand-up pouches
with and without windows
500 ml, additional sizes available on request
500 ml, additional sizes available on request
Thickness: 130 µm
Film composite: Kraft paper / PLA



White-Label Products

HKS health solutions International is your professional partner for your own brand in the field of dietary supplements and herbal medicinal products. Over 1000 formulations are available to choose from. All ready-made food supplements from our assortment comply with EU regulations and can therefore be sold across the EU and worldwide.

Have our proven branded products labelled with your logo and present our top brands as part of your product range. We would be glad to provide you with more information about our product portfolio in a personal conversation.

Our experts always consider the cultural, religious and traditional conditions in foreign markets during product development and can optimally advise you on the selection of a product or product series.



Are you interested in selling successful HKS health solutions International products under your own name or would you like to complement your product portfolio with a strong brand?

We are looking forward to your request!



Design & packaging

High-quality packaging design for your individual creations

The designing of your product is in good hands with us. Our qualified graphic designers will create labels, folded boxes, product packaging and much more for you. We will take care of your printing order and have it produced by our long-standing printing partners.

- Labels
- Product packaging
- Folded boxes
- Product visualisations
- Consulting regarding labelling according to the food regulation (mandatory information on labels, etc.)



Logistics

On request, we will take care of all logistics tasks for you and offer you customer-specific packaging solutions. We store, pick and ship for you and take care of handling any complaints on your behalf.

In cooperation with our logistics partners, we guarantee secure, on-schedule transport at an optimal price. With us, your goods reach their destination without any detours.

Full-Service

As a full-service partner, HKS health solutions GmbH offers numerous additional services related to contract manufacturing.

Our offer:

- Consulting / Product Development
- more than 1,000 ready-made formulations available
- Contract manufacturing & filling of food supplements
- Contract manufacturing & filling of pharmaceuticals
- Labeling: We advise you on the legally secure labeling of your product
- Assembly & Packaging
- In the field of printing & design, we can establish contact with our partners

Fulfillment

Our customers include pharmacists, therapists, alternative practitioners, tradespeople, and many others, who we support with our all-in-one solution.

- Warehouse, logistics & shipping: We take care of the warehousing and the fast and efficient delivery of your products to you and/or your customers on request.
- Order picking, customs clearance and returns management

Our services at a glance

Product development

- Professional development and optimisation of your products
- Selection of ingredients
- Development of formulations
- More than 1000 formulations available

Raw material sourcing

- Obtaining offers from international suppliers
- Procurement of high-quality raw materials
- Raw material certificates

Layout and printing

- Labels and folding boxes
- Product packaging
- Printing orders with our long-standing printing partners

Product labelling

- Nutritional value table
- Health claims
- Recommended dose
- List of ingredients

Warehousing & Logistics

- Storage, logistics and shipping of your goods possible

White-label Products

- Ready-to-use formulations available for extension of your product range
- Food supplements in all dosage forms
- also available in organic quality

Analysis service

- In-house laboratory with numerous analytical options
- Long-standing collaboration with independent laboratories
- Physical, chemical and microbiological analytics.

Our brands

HAWLIK[®]

präventa


**My
Minavit**
personalize your nutrition

 **mycotrition**

TRENDBALANCE[®]

 **TRIPROTECT**

Ivypan[®]
plus



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