



GKF 705 | GKF 1505 | GKF 3005

GKF Capsylon – Capsule Filling Machine

Packaging Technology



BOSCH
Invented for life



GKF Capsylon

Capsule filling machine from Bosch

Ideal for the Capsule filling of Pharmaceutical and Nutraceutical Products

The GKF Capsylon is a filling machine designed with renowned Bosch quality and an excellent cost-performance ratio. It answers the growing need from Nutraceutical markets for high efficiency, easy maintenance and easy operation.

- ▶ Easy to maintain and easy to operate
- ▶ Easy and simple size change with short changeover and cleaning times
- ▶ Bosch quality provides an excellent cost-performance ratio



Wide range of filling products

The GKF Capsylon is a unique machine suitable for a wide range of filling products. This ranges from typical nutraceutical products such as herbs or vitamins to pharmaceutical products such as powder, pellets, granules, or even special products with sticky, abrasive, fibrous, or other properties. The filling ingredients can be in the form of powder, granulates and pellets. The GKF Capsylon can accommodate different nutraceutical products as needed.

Flexible machine with different outputs

The GKF Capsylon offers excellent cost performance and flexible machine design. The segment alignment is stationed next to the filling station to minimize product loss before capsule closing. Furthermore, the smart design and experienced engineering allow easy and fast cleaning and format change-over.



Powder

From Echinacea to Ginseng extract or folic acid, powder filled capsules are one of the most popular options available on the market. Whether for dietary or nutritional purposes, the proper handling and processing of delicate powders is a primary benefit of the GKF Capsylon.



Pellets

Quickly becoming a favoured filling option for nutraceutical manufacturers, with products such as Vitamin C and Ferrous Sulphate steadily growing. The need to properly process pellets is becoming increasingly important.



Granulates

With a range of purposes, from skin care to anti oxidants like cinnamon bark or camellia sinensis leaf, granulates are a valued capsule filling option and an effective way to supply consumers with the latest in nutraceutical formulations.

Designed and built according to the latest GMP standards

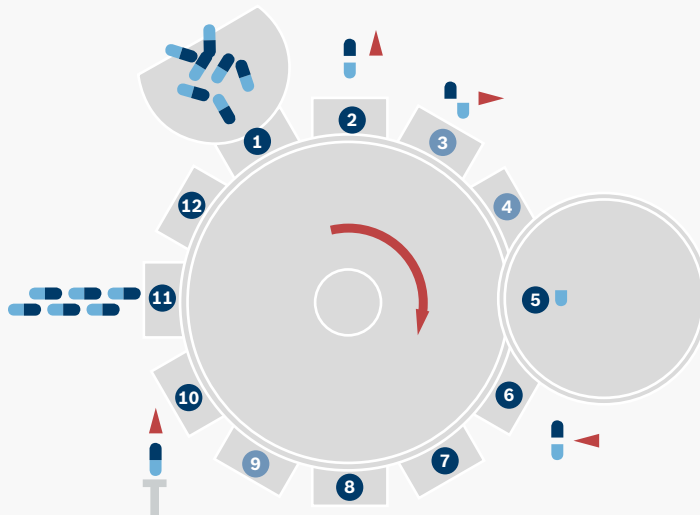
This specifically supports a quick cleaning process and economic parts handling. “We are glad to offer capsule filling solutions to the nutra- and pharmaceutical market with an excellent cost-performance ratio and easy operation, without compromising on Bosch quality and flexible design.”

Bosch has successfully established its reputation as a provider of reliable machines with advanced functionality. With the GKF Capsylon, we are aiming to bring this quality to a wider range of industries, specifically the nutraceutical market, with affordable costs and easy operation. For most personnel, the training only takes one or two days and then the operator will be able to run the GKF Capsylon.

Easy maintenance, easy to operate

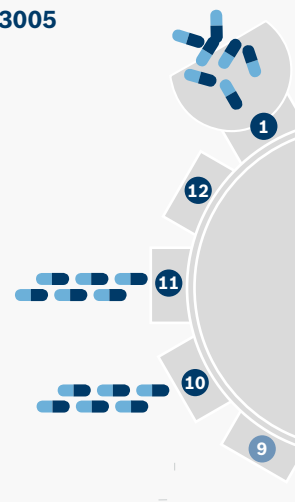
Faulty capsule ejection

GKF 705



- 1 Capsule alignment and separation
- 2 Separation of segments
- 3 Free station
- 4 Free station
- 5 Dosing station for powder or pellets via a fixed or height-adjustable dosing disk
- 6 Segment alignment
- 7 Free station
- 8 Extraction for non-open capsules
- 9 Uniting of the segments
- 10 Capsule closing station
- 11 Capsule ejection of filled capsules
- 12 Segment cleaning station

GKF 1505/3005



- 1 Capsule alignment and separation
- 2 Capsule alignment and separation
- 2 Free station (bei GKF 1050)
- 3 Free station
- 4 Ejection of non-separated capsules
- 5 Dosing station for powder or pellets via a fixed or height-adjustable dosing disk



Non-separated capsules are automatically rejected and extracted so that these faulty capsules are removed from the flow of good capsules prior to the ejection station. The closing station is just after the filling station to ensure minimal product loss from overfilled capsules.

GKF Capsylon 705

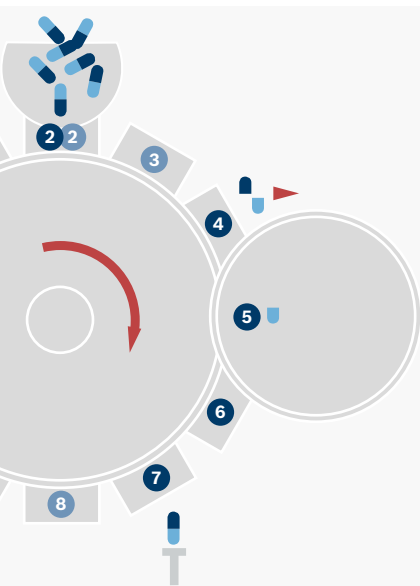
42,000 Capsules per hour

GKF Capsylon 1505

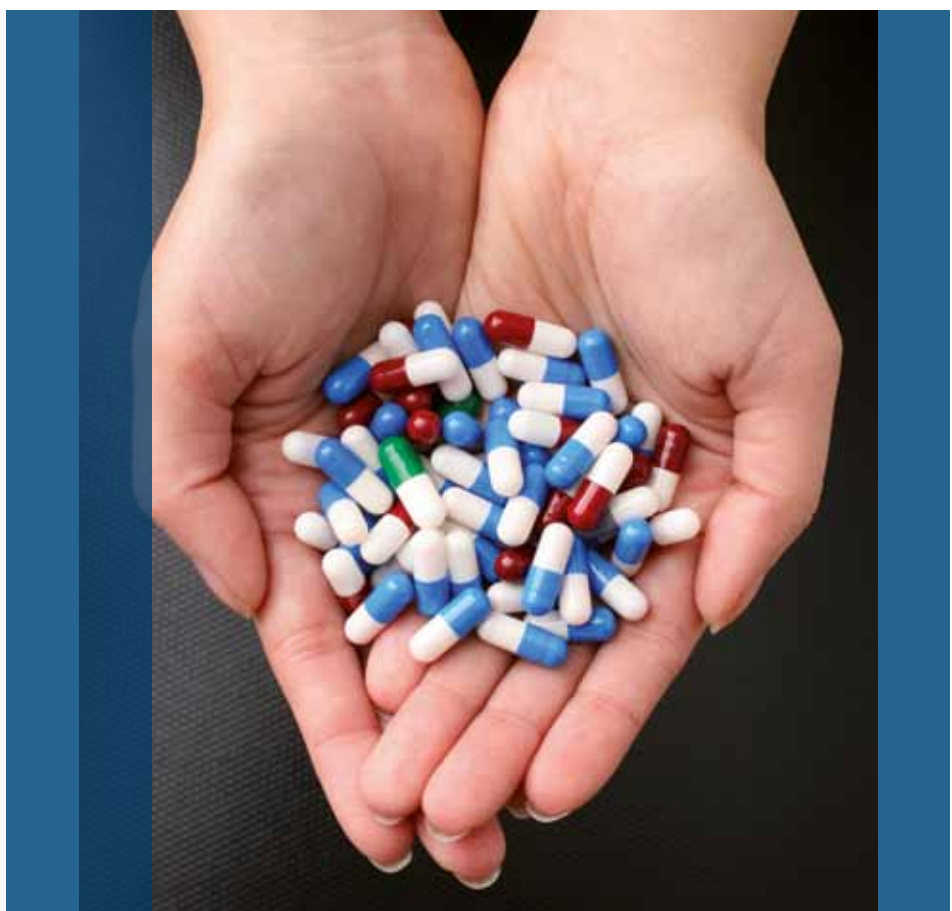
92,000 Capsules per hour

GKF Capsylon 3005

175,000 Capsules per hour



- 6 Segment alignment
- 7 Capsule closing station
- 8 Free station
- 9 Free station
- 10 Capsule ejection of filled capsules
- 11 Capsule ejection of filled capsules
- 12 Segment cleaning station



Technical specifications GKF 705/1505/3005

Machine cycles

- ▶ 140 cycles/min

Maximum series fuse

- ▶ 25A

Vacuum requirement

- ▶ 19–50 m³/h at 0.2 to 0.5 bar

Connections

- ▶ Compressed air supply Ø 13mm
- ▶ Vacuum connection Ø 30mm
- ▶ socket for vacuum pump
- ▶ socket for dust extractor
- ▶ Main electrical connection

Feeds

- ▶ powder feed triclamp Ø 100 mm
- ▶ Empty capsule feed Ø 85 mm
- ▶ (all feeds optional with Triclamp DN100) ¹

Standard equipment

- ▶ Basic machine with integrated control cabinet and built-in control panel
- ▶ Machine control: industrial PC
- ▶ Filling level sensor
- ▶ Capsule closing station with concave closing pins
- ▶ Identified segment cleaning station

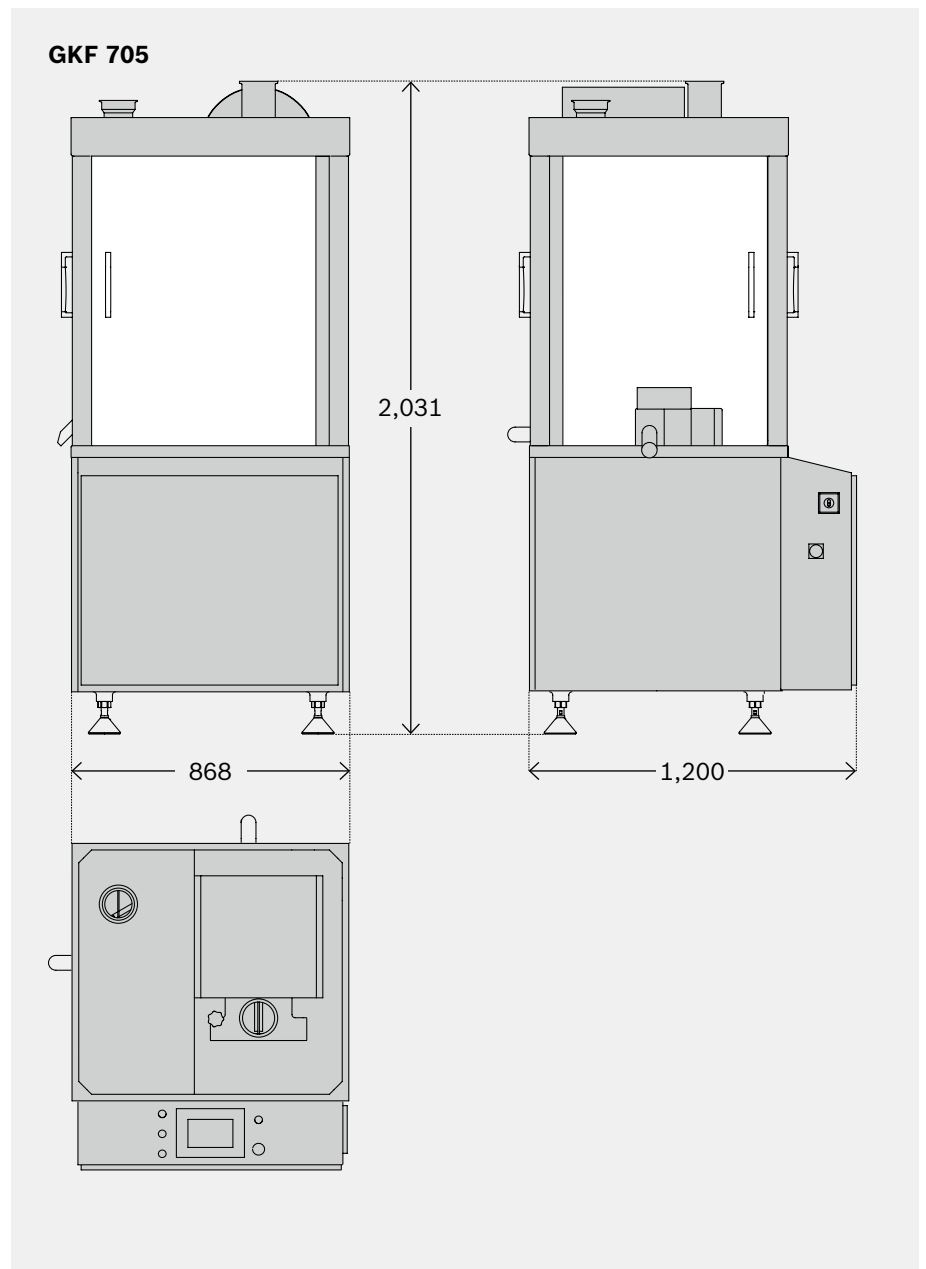
Format sizes

- ▶ Capsule size set optionally for all capsule sizes 00 bis 5, DB
- ▶ optionally fixed or height-adjustable dosing disk

Accessories

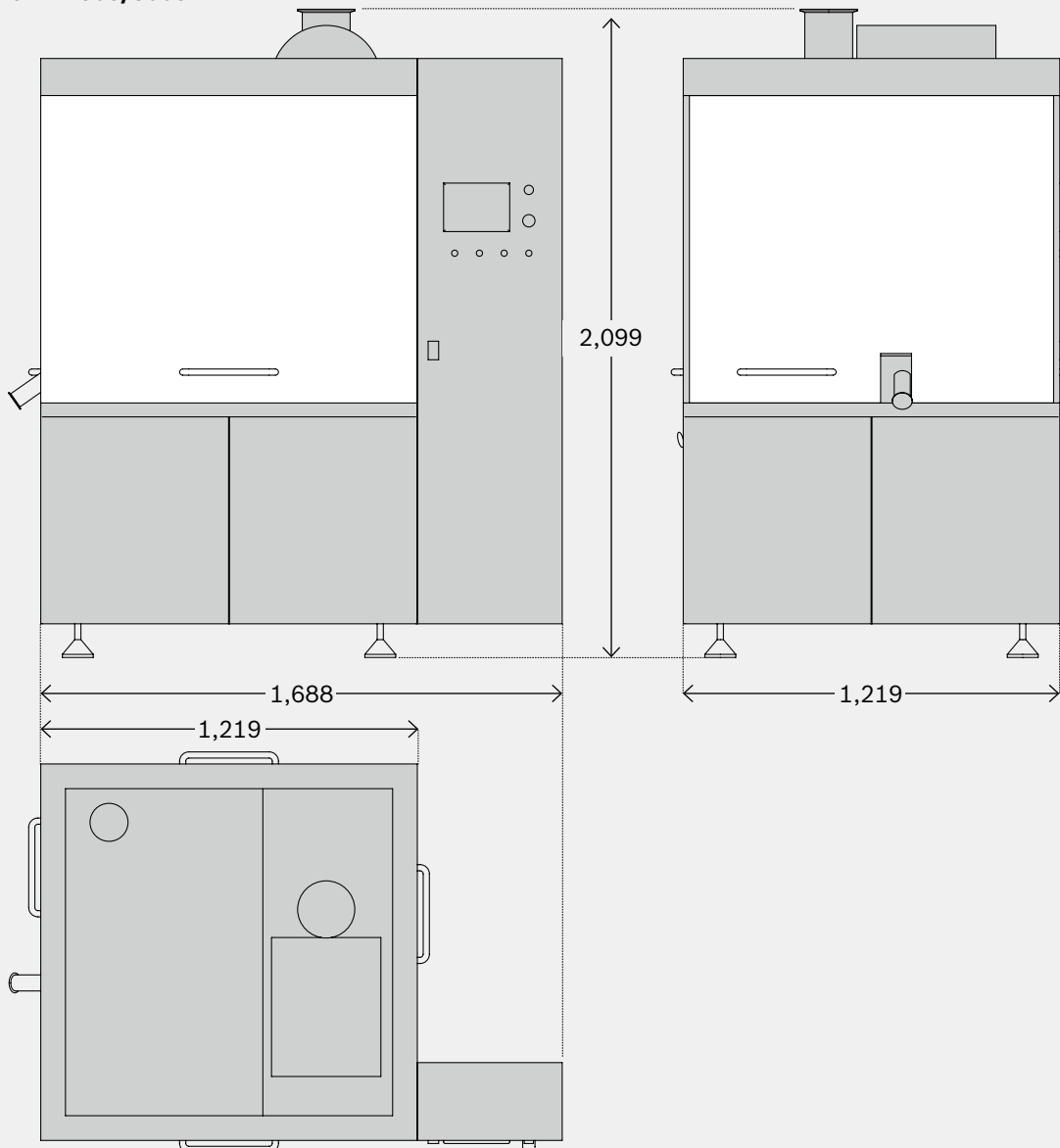
- ▶ vacuum pump
- ▶ vacuum cleaner

1 only for GKF 705
Right reserved to effect technical modifications



	GKF 705	GKF 1505	GKF 3005
Output	42 000 capsules/h	92 000 capsules/h	175 000 capsules/h
Number of segment bores	5	11	21
Connected loads of the machine	400 V+/-10%, 50/60 Hz 3 ph/PE, 13A 9KVA nonstandard voltages	400 V+/-10%, 50/60 Hz 3 ph/ PE, 17A 12KVA nonstandard voltages	400 V+/-10%, 50/60 Hz 3ph/PE, 18,5A 13kVA nonstandard voltages
Connected load of the vacuum pump	230V, 550W	750W	1500W
Connected load of the dust extractor	230V, 1,5kW	2mal 1,5KW	2mal 2kW

GKF 1505/3005



We are your **Specialists for the filling of Pharmaceutical and Nutraceutical Products**

With more than 50 years of experience in designing and building capsule filling machines, Bosch's quality has withstood the test of time.

Many of the first Bosch machines are still used in production today. No matter where the Bosch

machines are made, there is only one Bosch Quality. This means Bosch Quality Worldwide!

Experience and high technical standards have promised an excellent costperformance ratio and a very reliable machine.

GKF 705



GKF 1505/3005



- ▶ Bosch – A recognized supplier of capsule filling machines – Bosch Packaging's world wide service network supports customers globally and immediately
- ▶ GKF Capsylon – A cost-efficient capsule filling machine for a wide range of dosing applications, especially for nutraceutical products
- ▶ GKF Capsylon – Answers the growing need for pharmaceutical, nutraceutical companies, and contract manufacturers to enhance production efficiency
- ▶ GKF Capsylon – Easy maintenance and operation make the Capsylon an ideal solution to have highly efficient and effective production processes.
- ▶ GKF Capsylon – Only one day of training enables most operators to run the Capsylon.

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