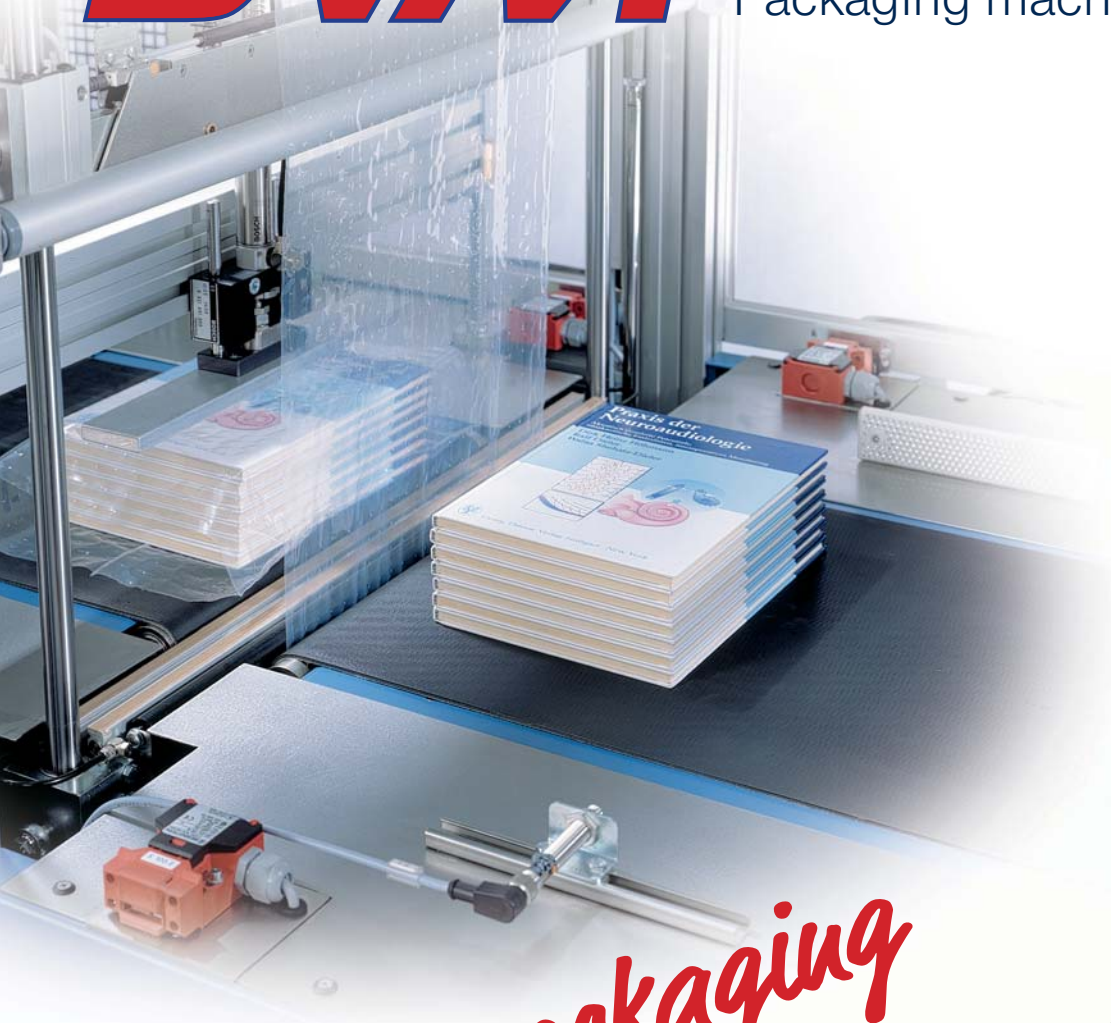


BVM

BRUNNER GMBH u. Co. KG

Packaging machines



perfect packaging



**Sleeve Sealing Machines
Stretch Banders**

BVM-Assembly



BVM-Assembly Commissioning

2

BVM Brunner GmbH, a medium sized company, has been manufacturing industrially finished film wrapping equipment for the European market since 1985. With Europe wide distributors BVM can guarantee the highest quality with continuous innovation.



BVM-Compacta Pre-assembly

BVM

BVM uses the latest technology for the construction of its machines. Whether it is the use of Aluminium profile systems, Laser technology, modern electronics, or modular steel construction, with a BVM machine – Made in Germany – you will always be one step ahead of your competitors.



BVM
BVM BRUNNER GMBH
Verpackungsmaschinen
Ferdinand Lassalle Str. 62



Combined Sleeve Sealing Machines



The BVM **combined sleeve sealing machines** are designed for the capacity range of up to approx. 15 cycles per minute. The sleeve sealing machine and the shrink tunnel are mounted as a unit on one machine frame. By means of flat film a film sleeve is produced which is shrunk tightly around the product in the following shrink tunnel.

Because of the constantly heated, maintenance free sealing system Polyethylene film, thickness 20 to 100 microns, can be sealed and cut reliably.

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Sample Line



Sleeve Sealing Machines



The BVM **sleeve sealing machines**, available as in line or right angled infeed versions, depending on machine type. By means of flat film a film sleeve is produced. Whether as a semi-automatic machine or installed in line with infeed and outfeed conveyors, in right angle execution with mechanical pusher or with film draw-off grippers – packaging machines for a wide range of applications can be produced.

Flexible by using a separate shrink tunnel, perfectly adapted for individual requirements.

Sample Line



BM 6030 W



Stretch Banders



The BVM **stretch banders** use an upper and lower film roll. In conjunction with a film stretching device a tight film sleeve is produced around the product. The film is stretched by means of rubber wind-back rollers, the degree of stretching being infinitely adjustable. With this system it is possible to stretch wrap product stacks or multipacks of e.g. bottles or cans without shrinking. Alternatively a following shrink tunnel can be used as well.

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Sample Line



SP 6030 W



Shrinktunnels

The air direction (inside the shrinktunnel) is adjustable by means of double air flaps each individually controlled externally.

The standard roller transport system is supplied with heat resistant rollers covered with silicone rubber. Wire mesh belt, heat resistant plastic slat belt or rotating rollers for Polyolefin films can be supplied as options.

Sample Line



SC 4030

Sample Line



SC 4030 SD

The speed of the main drive is infinitely variable.

In conjunction with a digital temperature controller the heating may be infinitely adjusted up to 250 C.

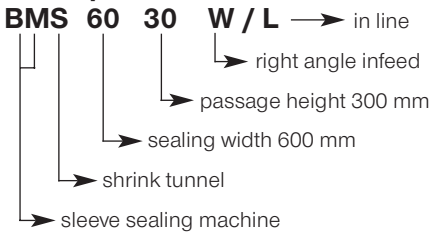
Technical Data

	BM/SP 4030 H	BM 4030 L	BM/SP 4030 W	BM/SP 4030 LE	BM 4030 LG
version:	semi-automatic with manual pusher	fully-automatic, in line operation, with infeed and outfeed conveyor	right angle infeed mechanical pusher, forming of the multipacks by means of multiple pushers	in line operation, with infeed from top for graphical products eg. stacks	in line operation with film draw-off grippers for products of different heights, from 1 sheet DIN A4, in random order
sealing and film width:	400 – 1600 mm [Ⓞ]	400 – 1600 mm [Ⓞ]	400 – 1600 mm [Ⓞ]	400 – 1600 mm [Ⓞ]	400 – 1600 mm [Ⓞ]
passage height:	300 – 600 mm [Ⓞ]	300 – 1000 mm [Ⓞ]	300 – 1000 mm [Ⓞ]	300 – 1000 mm [Ⓞ]	300 – 1000 mm [Ⓞ]
capacity:	up to 20 cycles/min., depending on product characteristics and sizes	up to 30 cycles/min., depending on product characteristics and sizes	up to 20 cycles/min., depending on product characteristics and sizes	up to 20 cycles/min., depending on product characteristics and sizes	up to 20 cycles/min., depending on product characteristics and sizes

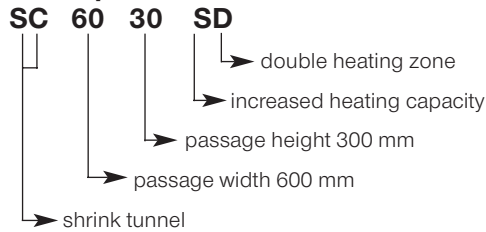
	BMS 6030 H	BMS 6030 L	BMS 6030 W
version:	semi-automatic with manual pusher	fully-automatic, in line operation, with infeed and outfeed conveyors	right angle infeed mechanical pusher, forming of the multipacks by means of multiple pushers
sealing and film width:	600 mm	600 mm	600 mm
passage height:	300 – 400 mm [Ⓞ]	300 – 400 mm [Ⓞ]	300 – 400 mm [Ⓞ]
capacity:	12–15 cycles/min., depending on product characteristics and sizes	12–15 cycles/min., depending on product characteristics and sizes	12–15 cycles/min., depending on product characteristics and sizes

[Ⓞ] depending on special equipment

description of machine:

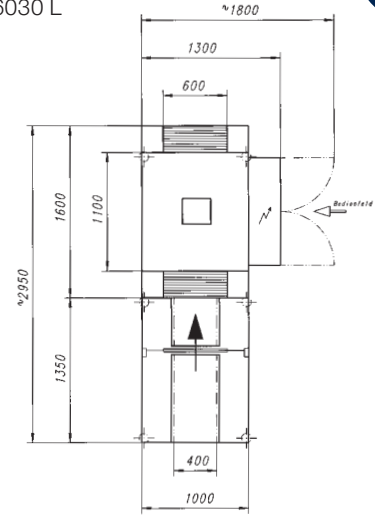


description of shrink tunnel:



Example:

Sleeve sealing machine
BMS 6030 L



BVM standard colours:

- RAL 1013 - pearlwhite
- RAL 5007 - brillantblue
- RAL 6011 - resedagreen

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Technical Data Shrinktunnels

	SC 40...	SC 60...	SC 80...	SC 100...	SC 120...	SC 140...	SC 160...
Passage Width:	400 mm	600 mm	800 mm	1000 mm	1200 mm	1400 mm	1600 mm
Passage Height:	from 300 – 400 mm [Ⓞ]	from 300 – 500 mm [Ⓞ]	from 300 – 500 mm [Ⓞ]	400 mm*	400 mm*	400 mm*	400 mm*
Shrink Zones:	from 800 – 2800 mm [Ⓞ]	from 1100 – 4200 mm [Ⓞ]	from 1500 – 2800 mm [Ⓞ]	2000 mm*	2000 mm*	2000 mm*	2000 mm*
Heat Energy:	from 8,4 – 25,2 kW	from 12,6 – 50,4 kW	from 16,8 – 37,8 kW	33,6 kW	42 kW	42 kW	50,4 kW

[Ⓞ] depending on special equipment

Connected Supply: 3 x 400/230 VDS, 50 HZ, N + PE

Insulating layer between heating zone and outer skin of about 100 mm to minimise heat loss

Product infeed and outfeed openings sealed with heat resistant silicone curtains

Low noise air blowers

Working height: 850 +/- 50 mm

Spezial Sizes on request

Function

The products are fed via transport conveyor in line or at right angles.

The multipack is either formed in the machine or it arrives already pre-grouped by the customer. The sleeve sealing machine or the stretch bander is using an upper and lower film roll which are welded as a so-called „film curtain“. During the transport resp. infeed movement a film sleeve is sealed around the product.

In the following shrink tunnel the products are shrunk to a stable multipack which can be safely transported. The shrinking result can be regulated within the heating zones by means of an electronic temperature regulation and adjustable air flaps.

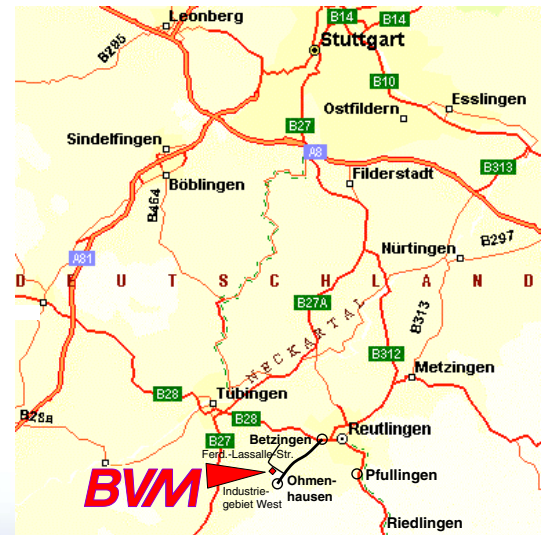
Construction features

Versions: as BMS 6030 H/W/L with combined shrink tunnel mounted on one machine frame or as BM 4030 H/W/L resp. SP 4030 H/W with separate shrink tunnel, type depending on the required capacity.

Product infeed:	manually or fully-automatically, product indexing via horizontal or vertical photocell
Product transport:	depending on product via transport conveyor, accumulation roller conveyor, slatted chain conveyor* speed infinitely adjustable via frequency converters
Film types:	PE-/PVC-/ and other sealable flat films, film thickness up to 100 microns*
Film feed:	with support rollers, motor-driven, infinitely adjustable, control by means of dancer bar
Sealing system:	constantly heated, maintenance free, in conjunction with a digital temperature controller the sealing temperature is kept constant, giving stable sealing quality
Sealing jaw mechanism:	electro-mechanical* , with pack protection
Film stretching: (only stretch banders)	by means of rubber wind-back rollers, degree of stretching infinitely adjustable
Shrink tunnel: (only BMS)	with digital temperature controller and energy-saving air circulation system
Safety guards:	made of aluminium profiles/Macrolon panels according to CE regulations
Electrical control:	free programmable PLC, operator keyboard with message indicator and memory for specific product settings
Sensors:	cable connected, screwed plug sockets, contact free with diode indicators
Air connection:	6 bar on site
Special equipment:	fully automatic, motor-driven size adjustment, format memories held in memory*, infeed, grouping and stacking stations according to product

* except of BMS 6030 H/W/L

Location



Our Distributor in your area:

BVM

BRUNNER GMBH u. Co. KG
Packaging machines

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