BVM

BRUNNER GMBH u. Co. KG

Packaging machinery

Coupacta 5022



perfection in packaging



German Engineering by BVM

THE ORIGINAL

BVM-Assembly

Customers are the centre of all our business activities. Customers' requirements and demands guide us and each idea is seen as an opportunity. This openness to customers' wishes shapes our business; shared objectives merge our employees into a team.

BVM Brunner is a privately-owned medium-sized company that started designing and building packaging machines in 1985. Today the company supplies high quality, innovative machines to the global packaging industry, and BVM Brunner's network of sales partners provides advice and support to companies worldwide.

Our employees are the company, whether it is their academic expertise or practical experience, the mix provides outstanding capabilities. We foster creativity and co-operation among our employees; this enables our employees to excel at their work.

We like to take advantage of opportunities arising from advances in engineering and manufacturing; the use of precision aluminium profiles, laser technology, state-of-the-art electronics, and a modular machine design is German engineering at its best. Designing, building and testing of our machines are done under our control on our premises in Reutlingen to ensure that a high build quality matches the high engineering design quality.

A BVM machine keeps you ahead of the competition. BVM machines are built to last. Machines that were delivered more than 20 years ago are still working and continue to meet the requirements of our customers.

An unrivalled price-benefit ratio, high product quality and short delivery times made us, in many areas, a market leader in wrapping machines. For us, today's success is a commitment for the future.



BVM-Final Assembly and Start-Up





BVM-Compacta Assembly



Our Service Offering:

- Maintenance, repair, and refurbishment of used machines
- Training on customers' sites or in our factory in Reutlingen
- Telephone support, provided by specifically trained technicians with years of experience in resolving mechanical and electrical issues
- Advice on spares and consumables, sale of spares and consumables
- Quick-response, global service team of in-depth trained service personnel
- High spare parts availability, guaranteed availability of BVM spares for a minimum of ten years



Feeding Systems and Accessories



BVM Label Applicator

for applying pre-printed labels or labels printed by an integral printing unit that is available as an option.

BVM Feeder A 3535

for feeding products directly from a magazine stack onto the feed conveyor of a packaging machine; designed for feeding products – such as journals, catalogues, CDs, DVDs – that can be moved from the bottom of a stack by a shuttle mechanism with suction.







BVM Pusher*

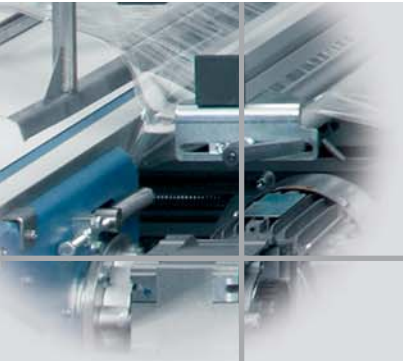
mounted on the infeed conveyor of a Compacta, the pusher is designed for round products such as beaker lids and reels of adhesive tape. The pusher is easily removed; the infeed conveyor can function either as a feed conveyor or as a pusher unit.

* registered design



BVM Centrefolder

available as retrofit unit or integrated in a machine during assembly. Single-wound film can be used with a BVM Centrefolder; the use of single-wound film increases production time by halving the number of reel changes; the Centrefolder unit also simplifies wrapping with preprinted film.



Compacta 5022, 7522 and 10022

The *Compacta series* of overwrapping machines – designed for fully automatic packaging.

The product flow is inline, also the wrapping cycle is sensor-controlled to facilitate manual or automatic loading. Items are wrapped in centre-folded film that is sealed on the three remaining edges.

Feeding systems ensure *superior performances;* production speeds of *more than 100 packs/minute* are achievable – depending on machine configuration and product.

The *heated, constant-temperature sealing system* can seal all industry standard films, from Polyethylene to Polyolefin to PVC. The BVM side knife produces neat, high-integrity seals, especially when Polyolefin film is used.

Product changeovers do not require the turning of hand wheels or adjustments of product guides, therefore *changeover times are short* and *operational reliability is increased.*

Each Compacta 5022, 7522, 10022 has an upper format limit of 450, 700, 950 mm respectively. A format limit is the sum of product width plus product height. This way the Compacta series provide professional packaging solutions for a wide variety of applications.



BVM Touch Screen Control
graphical user interface simplifies operating the machine.

Possible Configuration



SC 4030 SD



Optional Accessories: BVM Adjustable Draw-Off Rollers*

increase reliability and minimise film usage.
*registered design

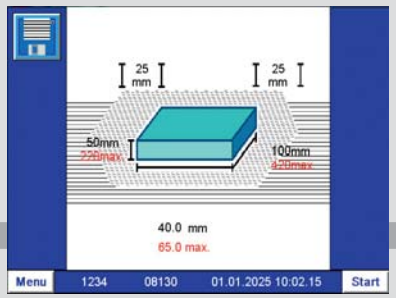


Easy Accessible Fil Cradle

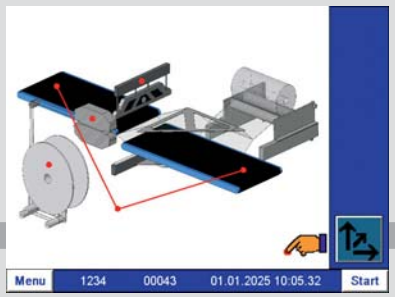
makes reel changing operator friendly.

BVM



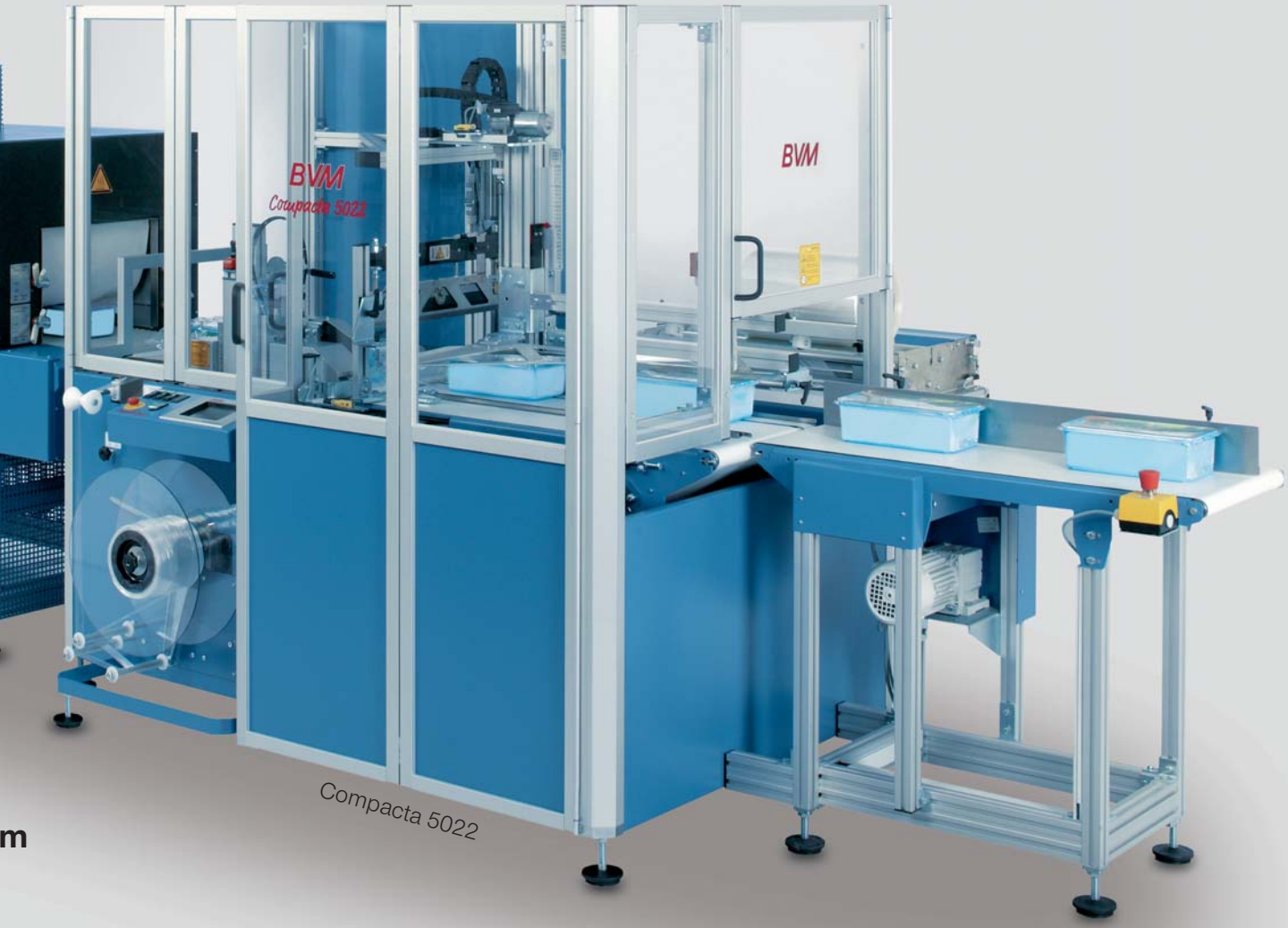


Intuitive user guidance settings.
Input of product dimensions
at the touch screen.*



recall of machine
settings from job settings memory,
push-button changeover.*

*depending on fitted options



Compacta 5022

m



The result: perfection in packaging

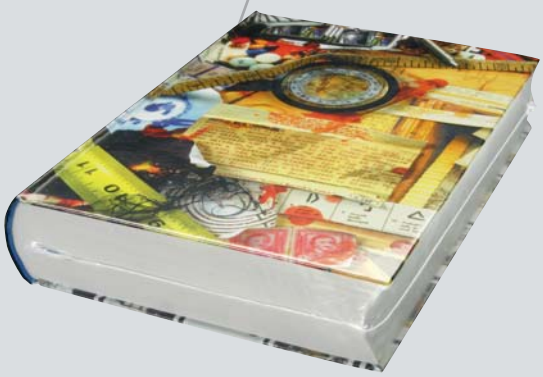










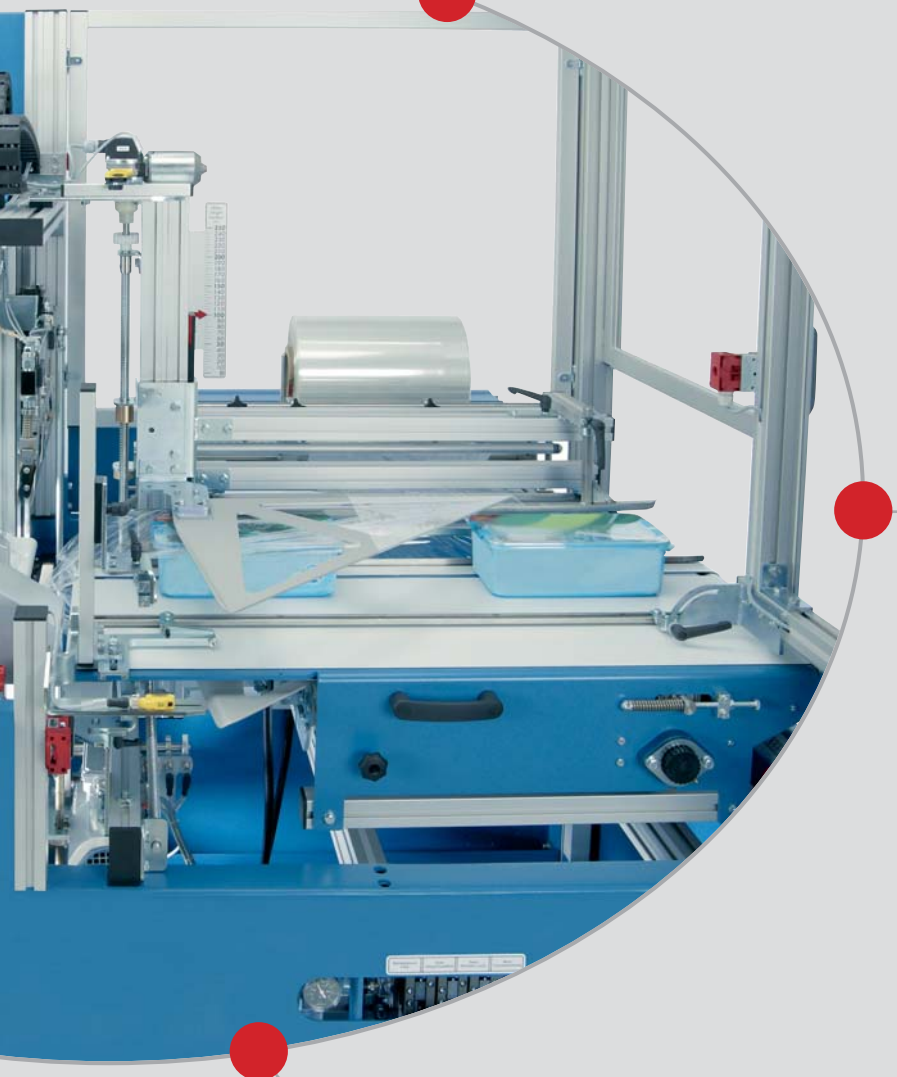


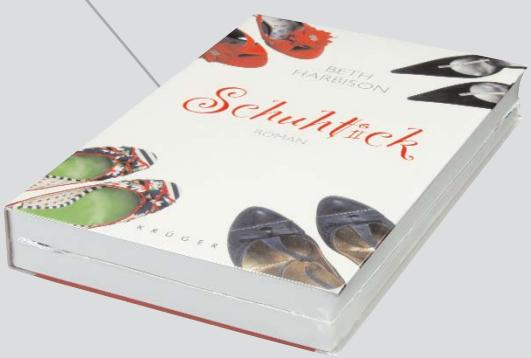
BVM


Domestos
PINE FRESH


SUSHI
SUSHI
SUSHI


HEAD
HEAD
HEAD
HEAD
Cyber
Cyber




BETH HARRISON
Schuhtick
ROMAN

BVM



Shrink Tunnel

BVM Shrink Tunnels are fitted with rod conveyors; the rods are coated with heat-resistant silicon rubber. A wire-mesh conveyor, a heat-resistant plastic conveyor, and a rod conveyor with live rollers for use with Polyolefin or PVC films are available as options.

The conveyor speed is infinitely variable and can be set at the operator station.

Possible Configuration



SC 4530 SD



Infinitely variable adjustment of the lower air flow ensures optimised shrinking.

Possible Configuration



SC 4530

Air flow inside the insulated heat chamber is finely controlled by four dampers - top and bottom on two sides; the dampers are independently adjustable from outside the tunnel.



The set temperature is maintained accurately by a closed loop, digital temperature controller; the heating can be set at a temperature of up to a maximum of 250 °C.

Technical Data – Compacta

	Compacta 5022	Compacta 7522	Compacta 10022
Upper limit of product width plus product height	450 mm	700 mm	950 mm
Cross seal bar, width	500 mm	750 mm	1000 mm
Cross seal bar, clearance	220 mm	220 mm	220 mm
Increased cross seal clearance, not included as standard	----------	up to 360 mm	up to 360 mm
Film width, centre folded	650/650 mm	850/850 mm	1150/1150 mm
Production speed, max	120 packs/min*	60 packs/min*	45 packs/min*

Product feeding:	manually or automatically, one of two optical sensors can be selected to establish – either horizontally or vertically – correct product spacing
Size adjustments:	infinitely variable, push-button controlled, motorised (no hand wheels)
Film:	PE-/PVC -/Polyolefin and other sealable, centre-folded films, film thickness 8 – 100 micron*
Film feed:	film cradle with motorised roller, infinitely variable feed, dancer tension control, no mandrel
Trim removal:	wind trim removal system, rewinds up to 1250 m trim of film with a thickness of up to 15 micron*
Cross seal:	constant-temperature, maintenance-free sealing jaw, jaw clearance and speed infinitely variable
Cross seal drive:	electronically controlled electrical motor (no mechanical brake* that will wear out), counter movement with pack protection
Longitudinal seal:	constant temperature, continual operation, suitable for all heat shrink films listed above, no limit on seal length; option of film draw system (registered design) for films thicker than 8 micron, films with limited shrink ability, or products with a height of more than 150 mm
Infeed conveyor/ outfeed conveyor:	inverter drives, infinitely variable conveyor speeds, option of kiss conveyor between infeed and outfeed conveyor for short products
Control system:	programmable industrial controller, operator panel with colour touch screen that provides a graphical user interface with intuitive user guidance, job storage for 100 job settings. Optional: storage for additional 500 job settings
Sensors:	cable connections of either plugs and sockets or screw terminals, touch free sensing, 'product present' indication
Air requirements:	6 bar, oil-free
Optional accessories:	fully automatic, motorised machine pre-setting, job setting memory for storing machine, setting under a job number, print registration, label applicator, printing unit, Euro slot punch, further optional accessories on request.

* depending on product and machine configuration

Note: Technical details are subject to change without notification

Technical Data – Shrink Tunnel

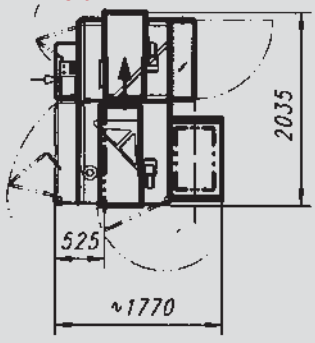
	SC 45...	SC 65...	SC 80...	SC 100...	SC 120...
Tunnel opening, width	450 mm	650 mm	800 mm	1000 mm	1200 mm
Tunnel opening, height	von 300 – 400 mm	von 300 – 500 mm	von 300 – 500 mm	400 mm	400 mm
Heat chamber, length	von 800 – 2800 mm	von 1100 – 4200 mm	von 1500 – 2800 mm	2000 mm	2000 mm
Heating power	von 8,4 – 25,2 kW	von 12,6 – 50,4 kW	von 16,8 – 37,8 kW	33,6 kW	42 kW

Electrical requirements: 3L, NPE 400 V/50 Hz
Insulation: 100 mm thickness, between heat chamber and outer housing, prevents heat loss
Heat resistant silicon curtains at tunnel entry and exit
Whisper quiet blower motor
Working height: 850 ± 50 mm
Bespoke dimensions on request

BVM Standard Colours:
RAL 1013 - Oyster White RAL 5007 - Brilliant Blue RAL 6011- Reseda Green

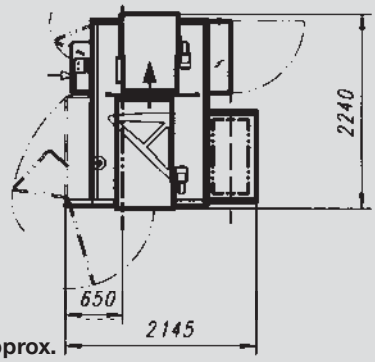
Possible Configuration

Compacta 5022



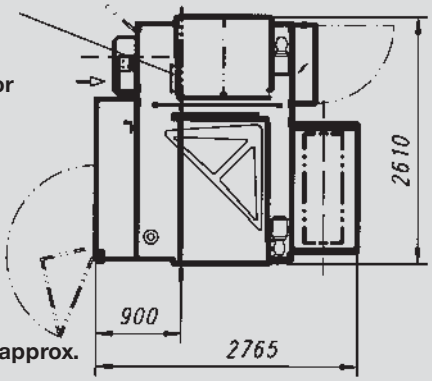
Weight, 780 kg approx.

Compacta 7522



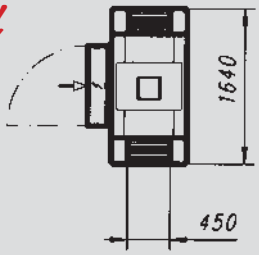
Weight, 900 kg approx.

Compacta 10022



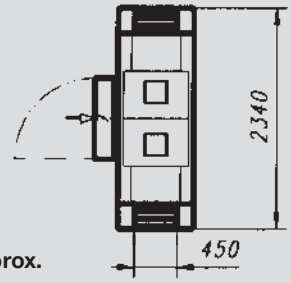
Weight, 1000 kg approx.

Shrink Tunnel SC 4530



Weight, 400 kg approx.

Shrink Tunnel SC 4530 SD



Weight, 560 kg approx.

Location



Our sales partner near you:

Headquarter and production site:

BVM

BRUNNER GMBH u. Co. KG
Packaging machinery

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