BVM

BRUNNER GMBH u. Co. KG
Packaging machines

Coupacta Genius Servo



perfection in packaging

German Engineering by BVM



THE ORIGINAL

BVM-Assembly

Customers are first and foremost in all our business activities. Customers' requirements and product demands help guide us with each new application and are seen as an opportunity towards continued product development. This receptiveness to our clients' wishes moulds our business and shared objectives help forge our employees into a highly motivated team.

BVM Brunner GmbH u. Co. KG 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.

The sound base of our company is its employees, whether it is their academic qualities or practical experiences, the mix provides for outstanding capabilities and achievements. We encourage creativity and cooperation throughout our employee base, enabling all our staff to excel at their work.

It is our forte to take advantage of advances in engineering and manufacturing, such as the use of precision profiles, laser and servo technology and robust modular machine construction culminating in *German Engineering* at its best..

Design, building and testing of the machines is carried out under strict control procedures at our Reutlingen site to ensure continued excellence in design and build quality. **BVM machines are exclusively manufactured in Germany.**

BVM machines are built to last and excel in reliability, with many machines which were delivered 20 years ago still maintaining high quality packing and production output and outperforming similar machines supplied by others.

An unrivalled price benefit ratio to high quality product coupled with short delivery times has helped BVM Brunner to become the market leader in the provision of product wrapping systems and for BVM today's successes are the 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 and provision of spare parts and consumables
- Quick-response, global service team of in-depth trained service personnel
- Ex stock spare parts with guaranteed supply of BVM parts for a minimum of 10 years



Feeding Systems



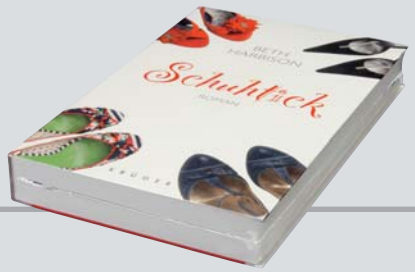


BVM accumulating roller conveyor for decollating products from a buffer zone.



BVM accumulation roller conveyor
coupled with a vacuum conveyor.



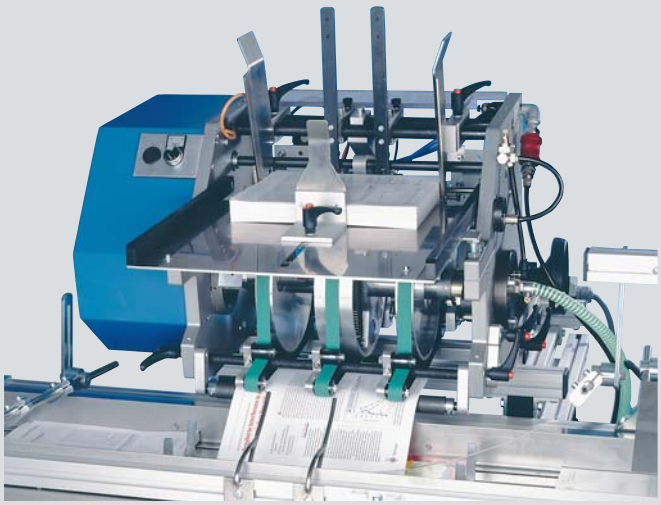


BVM chain gripper coupled with a vacuum shuttle feeder type A 3535 for use with magazines, books, catalogues and all products that can be mechanically pushed.



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Servo Friction Feeder
for feeding CDs wrapped in paper sleeves, postcards, saddle stitched and folded products (product and model dependent).

Rotary Drum Feeder
For single sheets 80g/m², saddle stitched and folded products up to 6 mm (1/4") thickness (product dependent).

BVM



Coupacta Genius Servo

The *Coupacta Genius Servo* – designed for fully automatic packaging.

The product flow is inline, and the system is controlled by a sensor which provides for loading of the product to be either manual or automatic.

Automatic feeding systems ensure *superior performance* levels with speeds up to *130 packs/minute* dependent upon the machine configuration and product type.

The *constantly heated sealing system* seals all types of film – polythene, PVC, polyolefin and polypropylene (OPP, CPP). The BVM knife edge system produces neat, clean, high integrity seals in particular with polyolefin.

Operator product changeovers with no use of hand wheel or guide adjustment provides for *shorter down times* and *operational efficiency is increased.*



BVM Touch Screen Control
graphical user interface simplifies operating the machine



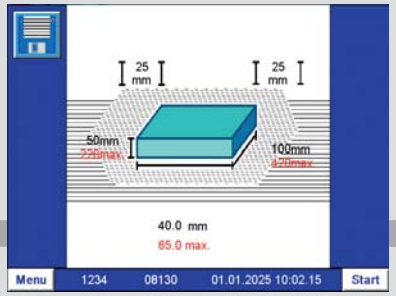
Possible configuration



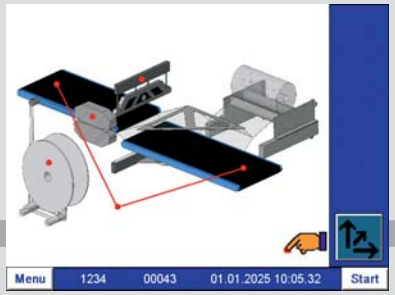
Optional Accessories:
BVM Centrefolder
Single-wound film can be used

BVM





Machine pre-setting
interactive guidance
input of product data via
the touch screen*



Machine pre-setting,
product changeover with
simple push button actuation*

*dependent upon chosen fitted options





Technical:



BVM-Compacta Genius Servo, **continuous motion machine** meeting the highest production demands coupled with speed and flexibility. Simple robust modular construction is used in all Compacta series models.

The continuous motion cross sealing jaw delivers a high performance of up to 130 packs per minute. **Jaw clearance and speed infinitely variable.**
The use of a vacuum conveyor ensures that at all times rectangular bags are produced and the product remains central to the machine.



Continuous motion sealing jaw driven by servo guarantees no empty bags.



Sealing jaw clearance and speed are infinitely variable and profiled blade produces neat, high integrity seals.*

* depending on fitted options

Technical Data:

	Compacta Genius Servo
Upper limit of product width plus product height	450 mm
Cross seal bar, width	500 mm
Cross seal bar, clearance	200 mm*
Film width, centre folded	
Production speed, max	bis 130 packs/min.*

Construction in Stainless Steel available!



Product feeding:	manually or automatically, product spacing via optical sensors, centered product flow
Size adjustments:	fully automatic push button changeover motorised (no hand wheel), menu recall via touch screen
Film:	PE-/PVC -/Polyolefin-/Polypropylen (OPP, CPP) and other sealable, centre-folded films, film thickness 8 – 100 micron* (A frame folding unit available as an option)
Film feed:	film cradle with motorised roller, no mandrel, infinitely variable feed, dancer tension control, precision needle perforation or hollow needle*
Trim removal:	scrap trim rewind system winds up to 1250 m of film with a thickness of 15 microns
Cross seal:	continous motion, constant-temperature, maintenance-free sealing jaw, jaw clearance and speed infinitely variable, profiled knife produces neat, high-integrity seals*
Cross seal drive:	servo drive (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;
Infeed/outfeed:	servo drives, infinitely variable conveyor speeds
Vacuum/conveyor:	tension free film movement
Control system:	PLC used in conjunction with data process highway and servo software, operator panel with colour touch screen that provides a user friendly graphical interface with instructional user guidance, 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*	print registration, label applicator, printing unit, Euro slot punch Further optional accessories on request.
Space requirement:	2770 x 1770 x 1800 mm (without infeed)

* depending on product and machine equipment
Note: Technical details are subject to change without notification

Technical Data – Shrink Tunnel

	SC 4530	SC 6530	SC 8030	SC 10040	SC 12040*
Tunnel opening, width	450 mm	650 mm	800 mm	1000 mm	1200 mm
Tunnel opening, height	300 – 400 mm*	300 – 500 mm*	300 – 500 mm*	400 – 600 mm*	400 – 600 mm*
Heat chamber, length	800 – 2800 mm*	1100 – 4200 mm*	1100 – 4200 mm *	1100 – 4200 mm *	1100 – 4200 mm *
Heating power	8,4 – 25,2 kW	12,6 – 50,4 kW	von 16,8 – 37,8 kW	33,6 kW	42 kW*

* Bespoke dimensions on request

Insulation: 100 mm thickness, between heat chamber and outer housing, prevents heat loss
Heat resistant silicon curtains at tunnel entry and exit
Silent running tunnel and blower motor

- Electrical requirement 3 phase, earth + neutral 400 V/50 Hz
- Working height: 850 ± 50 mm
- **BVM Standard:**
  RAL 1013 - Oyster White
  RAL 5007 - Brilliant Blue
  RAL 6011 - Reseda Green

• valid for machines



Possible Coufiguratiou

Shrink Tunnel
SC 4530 SD

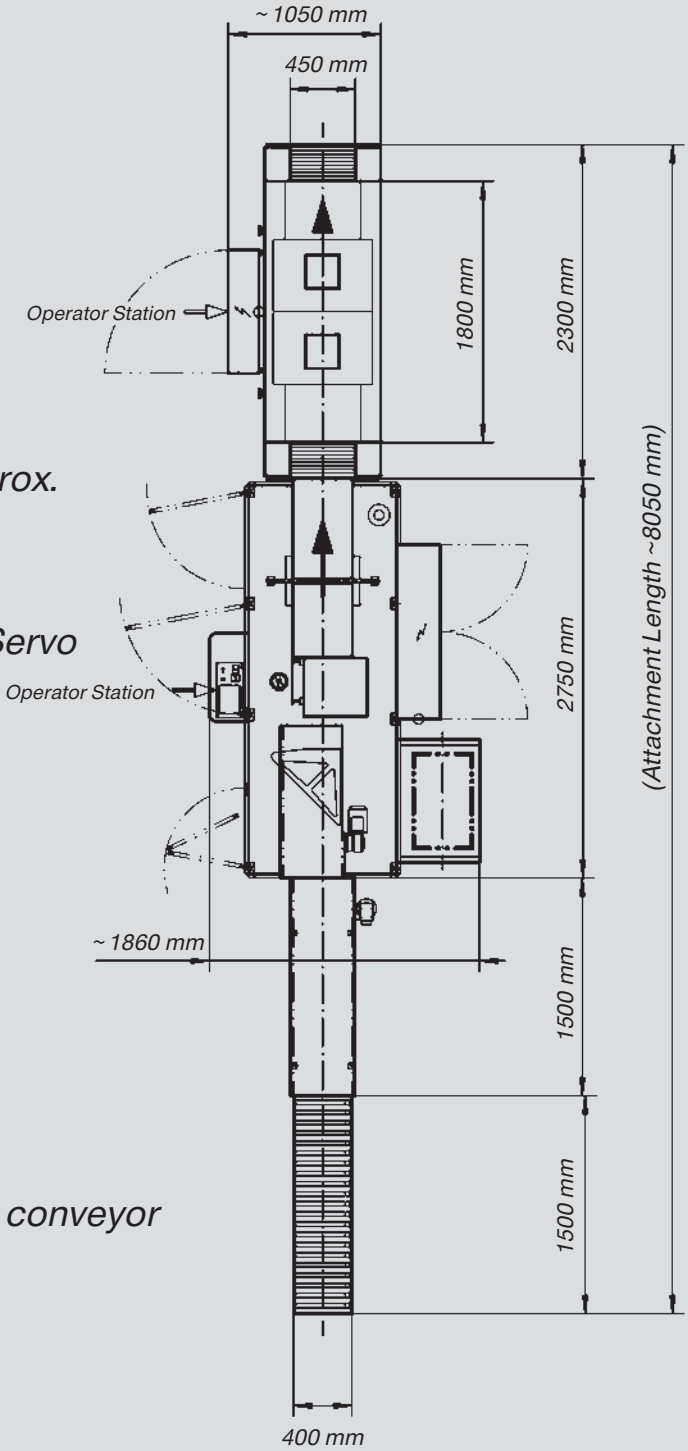
Weight, 560 kg approx.

Compacta Genius Servo

Conveyor
400 x 1500 mm

Accumulating roller conveyor
400 x 1500 mm

Weight, 1150 kg approx.





Shrink Tunnel



The shrink tunnel conveyors are fitted with steel rods which are coated with heat resistant silicone rubber.

Further options include **a heat resistant maintenance free plastic conveyor** and live rollers. The latter is ideal for use with polyolefin or PVC film where a consistent high quality even shrink is achieved on the lower surface of each pack.

The conveyor speed is infinitely variable and is adjusted at the operator panel.



SC 4530 SD
Possible Configuration



Smooth adjustment of the airflow underneath the conveyor guarantees a perfect shrink every time.



SC 4530
Possible Configuration



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.

BVM

Location



Our Sales partner near you:

Headquarters:

BVM

BRUNNER GMBH u. Co. KG
Packaging machines

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