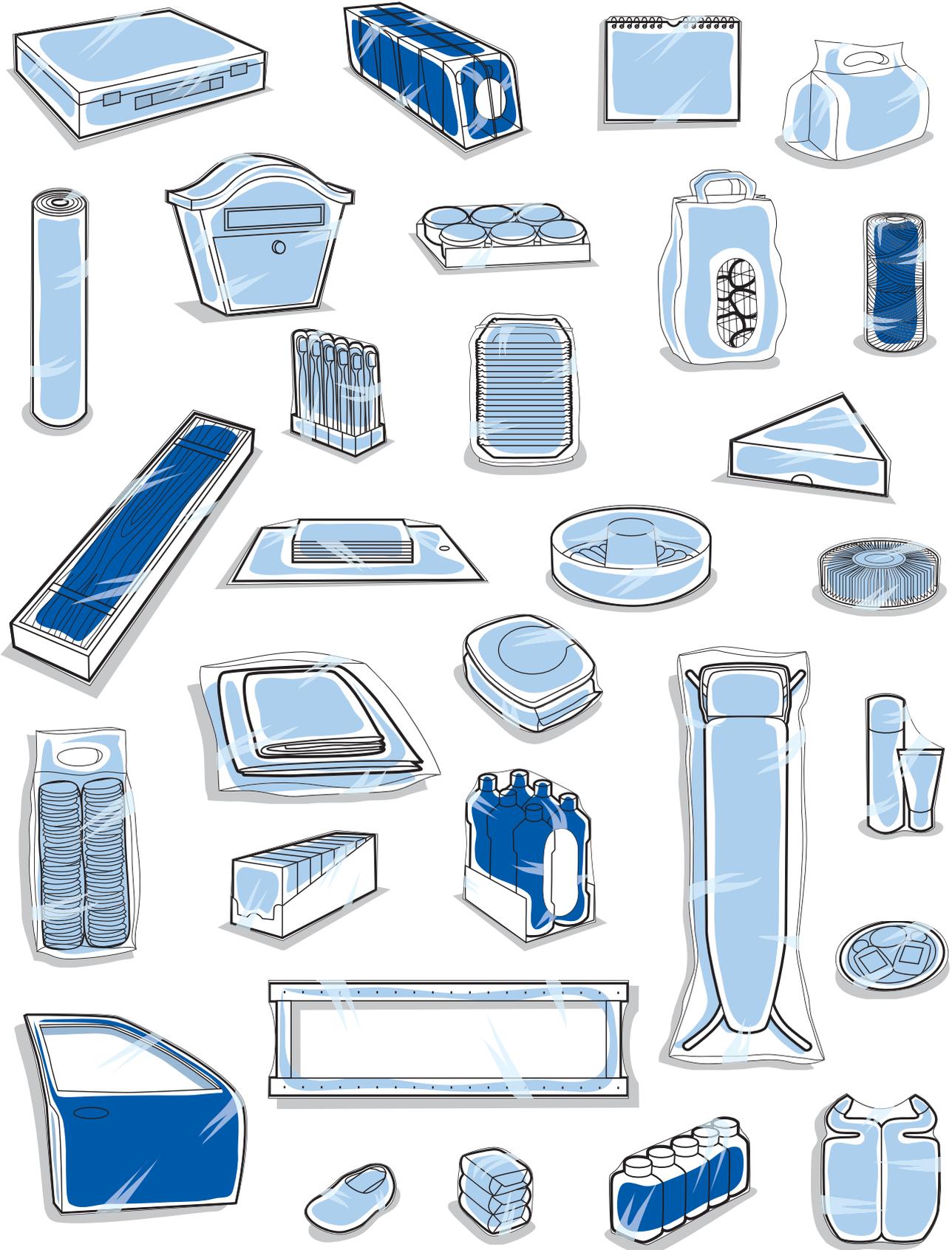


# BUNDLING MACHINES



SEALING SOLUTIONS

## MAY WE HELP YOU BUNDLE YOUR PRODUCTS?



BP-700-CVS (+KT-1200)

**A**VC Sealing Solutions is a dynamic company with many years of experience and a clear ambition: to be the best in our market. We are well on our way to achieving that goal, although we continuously expand our know-how through research and development.

When it comes to our or rather your machines, we prefer speaking in terms of solutions instead of product ranges. After all, as a specialist in sealing and shrink-film wrapping, we offer customers a complete state-of-the-art customised design to meet their specific requirements. We will

manufacture a machine of the highest possible quality for each individual customer and even install the fully



operational machine at the customer's site. We always provide technically sophisticated, effective, and economical packaging solutions. Our extensive experience puts us in an excellent position to assist you, preferably at an early stage, in addressing your packaging needs. A motivated team of professionals are ready to demonstrate each time that we are the best in our field and that this allows us to offer very competitive prices.

## BUNDLING MACHINES

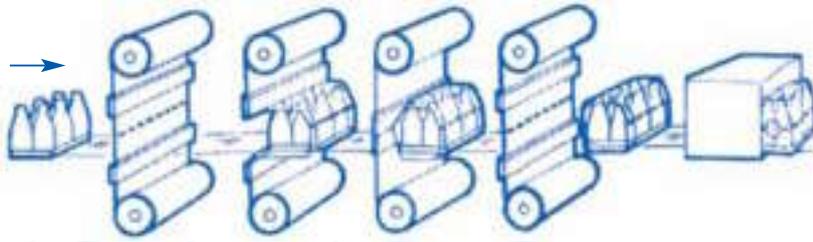
Bundling machines typically shrink-wrap multiple products where it is unnecessary to have the packaging completely closed. It is a very practical and efficient way to protect products, and also more economical and more convenient than using boxes for packing. The space saving alone is a major advantage, since one roll—good for thousands of wrappings—takes much less space than piles of empty boxes. The fact that the contents remain visible can also be a big plus, e.g. for special On-pack Premiums or if an accompanying item needs to be included in the packaging. We have extensive exper-

rience in manufacturing machines designed specifically for this purpose, and designed to handle a great variety of products. For example, bundling is used for large packagings such as rolls of carpet or piles of (parquet) floorboards, as well as for smaller bundles such as the familiar six-packs of beer.

*The product to be packed automatically rolls against a curtain of shrink film.*

*The sealing bar closes as soon as the products have passed through the film and the film has been cut. This creates, as it were, a loose film wrapped around the bundle.*

*The whole unit then passes through the shrink tunnel where it is neatly sealed and shrunk before exiting the packaging line at the other end.*



## BP-700-CVS (+ KT-1200)

These machines distinguish themselves by quickly and efficiently shrink-wrapping any product imaginable. The driven feed and delivery belt of the BP-700-CVS enables this machine to be installed in a production line, thus increasing the capacity and eliminating the need for products to be lifted by personnel. This special packaging system allows you to pack products of different sizes without film changeover: small products will have smaller openings on both sides than bigger products. If the film is too narrow or too wide, feeding a different width film is only a simple operation. The film is controlled fully automatically.



*A U-shaped installation permits one-man operation in small spaces.*



*Longer products, such as parquet, require a linear installation.*



## Special machines for special situations

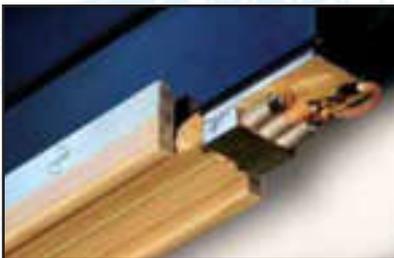
*In case of special circumstances in your factory or workshop, we will simply customise the machine. This may be the case if products are fed at an angle or if fed products must be turned first. It may also be necessary if stainless steel materials are used in the machine, e.g. for fresh foods. In some cases, we will adapt an existing standard model to permit pneumatic feeding of products. Anything is possible. There is no packaging 'problem' we cannot solve.*

## Distinguishing components

All machines made by AVC have been thought out and developed down to the finest detail. We have made optimal use of our many years of multifaceted practical experience. We often anticipate problems that our customers would not even have thought of. This is highly appreciated, especially on the work floor, since one single detail often makes the difference.

### **BP-700-CVS operating panel**

*Our bundling machines, as all our machines, are designed with user-friendliness in mind. As a result, the operating panel is very simple and clear. It does not require any special training. Another crucial aspect is the safety of the machine as a whole. This bundling machine therefore has safety doors on all sides. And, last but not least, durability is another important consideration. Conveyor belts for our bundling machine are available with or without a rubber coating or in PVC. Also, an electric eye can be installed on the feeder to provide additional control. There are many possibilities.*



### **Twin seal system**

*In addition to the cut seam produced by the round wire, the twin seal system adds an extra sturdy flat seal (by means of two flat wires). This system eliminates the problem of open packages or holes in shrink film.*



### **BP-700-CVS weld bar**

*This machine uses a continuously heated sealing system which minimises the sealing time and increases the speed. It also further reduces the maintenance required for these already low-maintenance bundling machines.*



### **Film-roll holder**

*The unrolling system is motor-driven in order to ensure consistent film feed.*

## Shrink tunnels

A shrink tunnel at the end of the line is a perfect conclusion of the packaging process.

Shrink tunnels are available in various sizes and designs: KT-500, 1000, 1200, and 1500. All AVC shrink tunnels can be used in combination with AVC corner sealers, bundling machines, and automatic packaging machines. The specified models are series-produced, but they can be supplemented with specific options in order to achieve the very best packaging solution.

### Options for shrink tunnels

- Teflon® mesh belt with heating underneath
- Cooling fan over the tunnel outlet
- 25 mm pitch conveyor rollers
- Rotating conveyor rods so that the film at the bottom of the package is also shrunk taut and neatly
- Alternative sizes available for tunnel opening
- Turntable
- Roller conveyor

Bundling machines	BP-700	BP-700-CVS	BP-1000-CVS
Sealing bar dimensions	700 mm	700 mm	1,000 mm
Sealing system	Twin seal system	Continuously heated sealing system (CVS)	Continuously heated sealing system (CVS)
Welding time	Approx. 2.5 sec.	Approx. 0.7 sec.	Approx. 0.7 sec.
Control	Standard	Omron PLC	Omron PLC
Operating panel	Standard	Omron 2-line display with 6 function keys	Omron 2-line display with 6 function keys
Product detection	Not applicable	Photocell	Photocell
Belt speed	Not applicable	1,3 - 8,4 m/min	1,3 - 8,4 m/min
Capacity	8/min max.	16/min max.	16/min max.
Maximum product height	340 mm	340 mm	340 mm
Maximum film width	650 mm	650 mm	950 mm
Specified film	PE/PP	PE/PP	PE/PP
Machine dimensions (LxWxH)	1,530 x 1,450 x 2,100 mm	1,530 x 1,450 x 2,100 mm	1,530 x 1,750 x 2,100 mm
Working height	890-960 mm	890-960 mm	890-960 mm
AC power supply	230V/1Ph.+0+Earth	230V/1Ph.+0+Earth	400V/3Ph.+0+Earth
Output	1,5kW	1,5kW	1,5kW
Compressed air	6 Bar*	6 Bar*	6 Bar*

\* For machines with pneumatic control



AVC meets the highest quality standards.

*Separate documentation is available on our automatic packaging machines and corner sealers which can be used in combination with shrink tunnels, as well as on the combination sets.*



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