



BEUMER
technology in motion

CONVEYING TECHNOLOGY
LOADING TECHNOLOGY
PALLETIZING TECHNOLOGY
PACKAGING TECHNOLOGY
SORTATION AND
DISTRIBUTION SYSTEMS



BEUMER combipac® E
BEUMER combipac® G



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Maximization of packaging quality, reliability and economic efficiency

Utilization of covering films for the load protection of palletized unit loads is frequently required by many industrial companies, as well as by companies in the shipping and transport sector. The BEUMER combipac® shrinking technology meets the high demands of industry for packaging quality, eco-

nomical efficiency and operational reliability. BEUMER has many years experience in the field of the film hood packaging technology. On this basis, we are continually developing new innovative designs which make the BEUMER combipac® machines a leader in the field of the

modern shrinking process technology. A large number of successful projects all over the world give evidence of their success.



Protection of valuable materials during transport as well as against dust and environmental conditions

BEUMER combipac® -

A system offering thermal shrink film protection to pallet unit loads. Packaged goods of all kinds are reliably protected for storage and transport by placing a film hood over them. The concept is based on two decades of experience in the manufacture of film packaging systems. BEUMER offers the perfect solution for every application, ranging from simple machines to automated high performance systems. Throughputs of up to 60 unit loads per hour are possible, depending on the specific project.

Proven and reliable heating systems are used for the shrink frame. The thermal shrink film is a safe and environmentally compatible packaging media. The sophisticated and proven machine technology combines for up-to-date quality and performance, thus ensuring a high degree of economic efficiency. The shrink film packaging allows many different applications. The figures show a selection of different products.



Principle of the shrink film procedure

The designed rapid heating of the PE film to approx. 180 °C allows the film molecules, which were tensioned during the production process, to return to their original chemical structure. Thus, they find their way back from their expanded forced position to the center of their normal molecular range.



BEUMER combipac® E – electrically heated

Proven process steps guarantee a perfect functional reliability as well as a high strength of the package.

The BEUMER combipac® E is a fully automatic packaging machine, based on electric produced heat energy. It can be integrated into palletizing systems without any difficulties.



Shrink film thickness: 40 - 200 μ

Package dimensions: 1200 - 800 mm

1200 - 1000 mm

1100 - 1100 mm

1000 - 1000 mm

1350 - 1150 mm

Package heights: 1400 - 2400 mm

Transport level: (500), 700, (1000) mm

Pressure level: 150 NL/package, 6 bar

Capacity: up to 40 packages/h

Electrical connection: approx. 220 kW

The placement of the film hood and the heating of the shrink film is achieved by a ring-shaped frame. This frame moves in a vertical plane and is equipped with high capacity warm air generators.

The line heating bars work without a preheating phase and deliver the required heat immediately as needed. They form an enclosed electrical heating system that provides constant, controlled low heat distribution for shrinking temperatures.

The scope of supply includes:

- The motorized/pneumatically controlled film handling system that provides hood shaping, head seam welding and the cut-off of the hood
- The technology for the film heating with the base, lateral and upper shrink phases
- The maintenance and service platform with stairs
- The electrical control with PLC and control panel
- Safety devices according to CE instructions



BEUMER combipac® G – gas heated

The BEUMER combipac® G is a fully automatic packaging machine, based on gas heat energy. It can be integrated into palletizing systems without any difficulties. The placement of the film hood and the heating of the shrink film is achieved by a ring-shaped frame. This frame moves in a vertical plane and is equipped with high capacity warm air generators. The line burners work without a pre-heating phase and deliver the required heat immediately as needed. They form an air heating system that provides constant, controlled low heat distribution for shrinking temperatures.

The scope of supply includes:

- The motorized/pneumatically controlled film handling system that provides hood shaping, head seam welding and the cut-off of the hood
- The technology for the film heating with the base, lateral and upper shrink phases
- The maintenance and service platform with stairs
- The electrical control with PLC and control panel
- Safety devices according to CE instructions

Shrink film thickness: 60 - 200 μ

Package dimensions: 1200 - 800 mm

1200 - 1000 mm

1100 - 1100 mm

1000 - 1000 mm

1350 - 1150 mm

Package heights: 1400 - 2400 mm

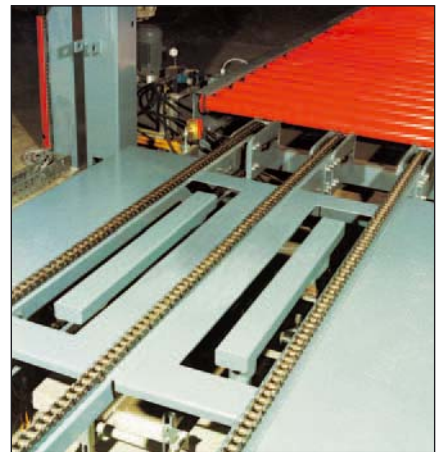
Transport level: (500), 700, (1000) mm

Pressure level: 120 NL/package, 6 bar

Gas connection: 320 000 kcal

Capacity: up to 60 packages/h

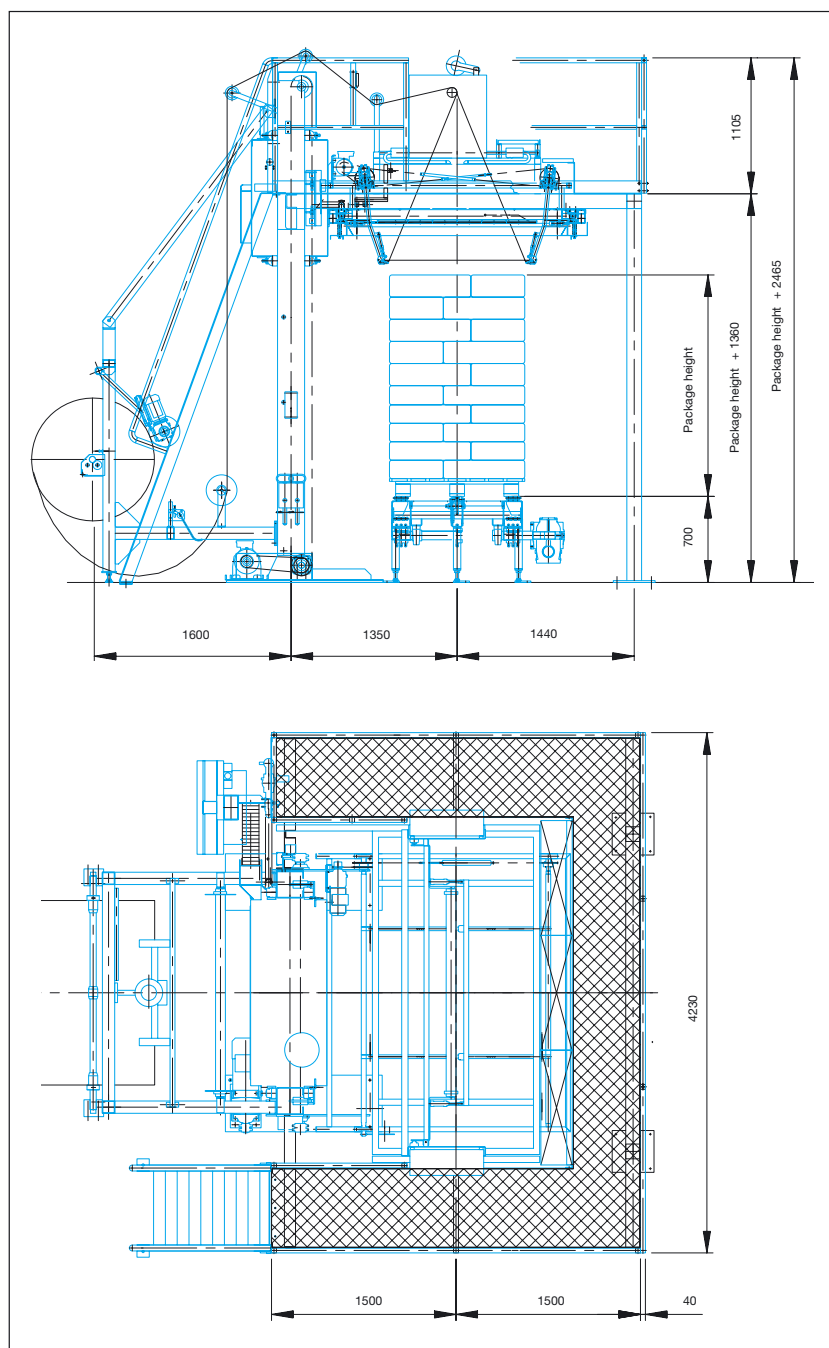
Electrical connection: approx. 15 kW





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TECHNICAL INFORMATION



The BEUMER combipac® offers distinct advantages when compared to other shrink film load protection systems:

- Simple film guides from the roll to the machine head, reduces film replacement time.
- Sequential controls for film handling that will eliminate operating faults.
- Uniform heat distribution avoids thin spots and crease formation during the base shrink, lateral shrink and upper shrink phases of operation.
- Safety controls on all heating devices.
- No adhesion between the shrink film and the packaged items.
- Designed for outdoor storage to meet all environmental conditions.
- Utilizes film material that can be recycled and is safe for the environment.
- Machine dimensions that allow for container shipment.
- Installation time is reduced by the utilization of quick-connect cables.
- Heavy duty drive elements.
- Automatic determination of film lengths by ultrasonic sensor.
- Pallet handling technology customized for each specific project.



The information contained in this brochure merely serves as a non-binding description of our products and is without guarantee. Binding information, in particular relating to capacity data and suitability for specific applications, can only be provided within the framework of concrete inquiries.

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