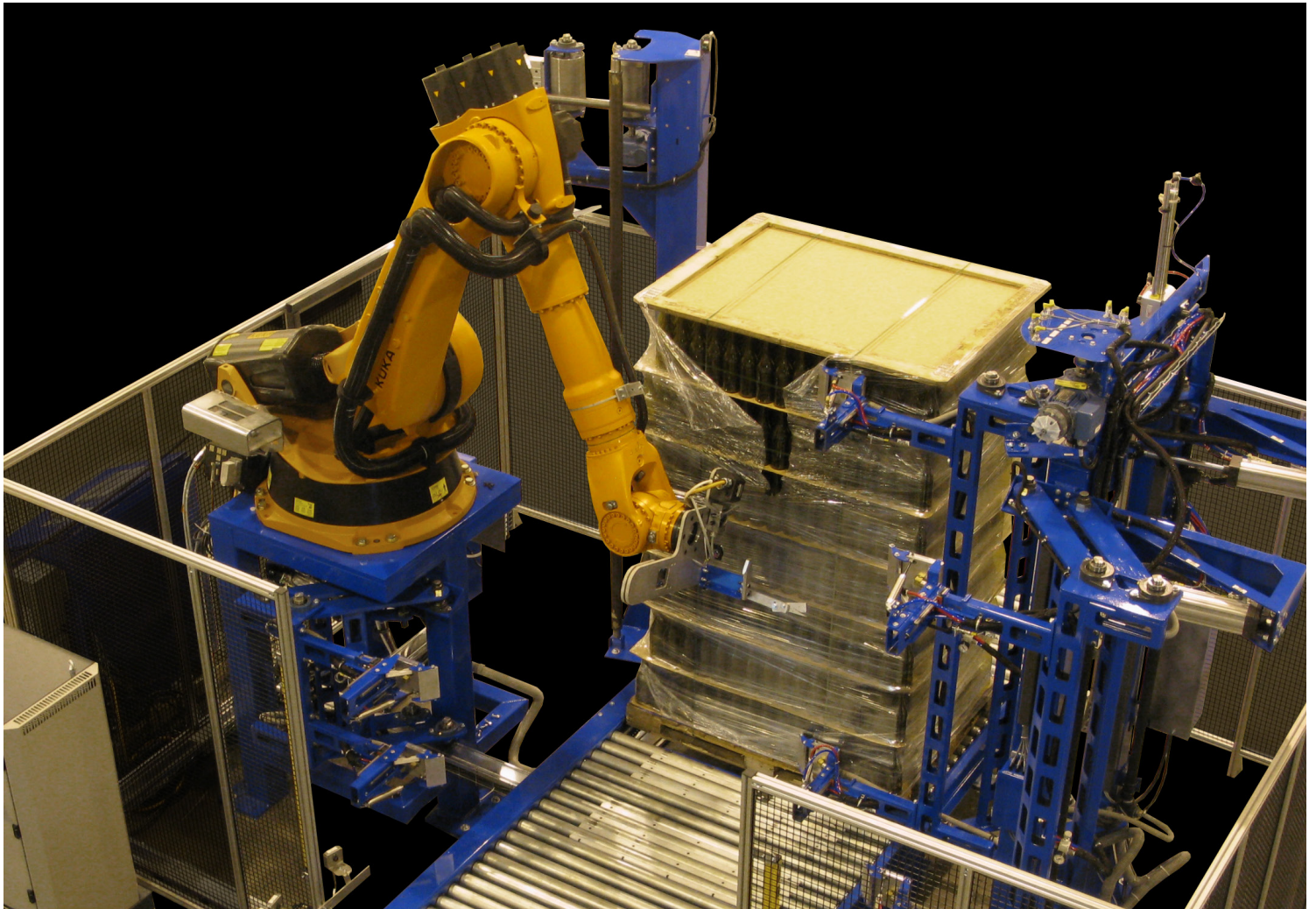




Robotic Unwrapper / Unbagger



Features

- Manual unwrapping of loads is eliminated which removes the need for ladders, the risk of static electric shock from handling the wrap and physical straining
- Minimal floor space required
- Reduced maintenance due to fewer moving parts versus traditional fixed automation unwrapping systems
- Robotic solutions allow for greater flexibility with incoming pallet quality

Robotic Unwrapper / Unbagger

The BW Container Systems' Robotic Unwrapper / Unbagger is designed to remove stretch and/or shrink wrap from pallet loads prior to depalletizing. The Unwrapper / Unbagger has the capability to unwrap virtually any type of load utilizing either wrap. Loads include bulk glass or plastic bottles, aluminum or steel cans and pallets of cases or stretch-wrapped bundles. The Unbagging option allows for removal of shrink wrap from bulk glass loads.

Not all wrap types can be handled the same, therefore we offer three applications depending on your specific requirements for wrap removal: 1) The standard stretch wrap Unwrapper 2) The shrink wrap Unbagger 3) The fully featured Unwrapper / Unbagger which will remove both stretch or shrink wrap from pallet loads.

The Unwrapper utilizes a focused hot air gun (or heat gun) to apply a stream of hot air to the wrap. The hot air weakens the strength of the already-stretched plastic causing it to break apart thus separating the wrap. The robot then places the wrap into a pinch roller assembly that pulls the wrap through and into one of a variety of post-unwrapping removal options (which start out as simple as a bin or as integrated as a vacuum pipe system to a bailer. Multiple unwrappers can feed a common bailer for multi-line applications).

The Unbagger option utilizes a knife to cut the shrink wrap but otherwise the procedure is quite similar to the unwrapping process.

There is also an option available to add a bottom sheet separator to the Unbagger. This option provides separation of the shrink bag from a bottom sheet common in many bulk glass shrink bag operations.

Stretch-Wrapped Bulk and Case Product Qualifiers

- Pallet orientation into machine: narrow or wide way leading (must be specified)
- Load height: 120" [3048mm] max
- Load not to exceed 1.5" [38.1mm] for bulk product and 5" [127mm] for case or bundled product - out of plumb in any direction
- Layer to layer offset for case/bundled loads not to exceed 0/75" [19.05mm]
- Total accumulative wrap thickness with 80 gauge file (.60 mils) - 2 wraps min 0.0012" [0.03048mm] - 4 wraps max 0.0030" [0.0762mm]
- Wrap must be uniform; no gaps, holes or bunching (ropes)
- Wrap must be pre-stretched minimum of 200%
- Tags, tape, labels and the like are not allowed in cut zone
- Over-wrap at top of load is not to exceed 4" [101.60mm]
- Over-wrap at bottom of load (pallet) is not acceptable
- Wrap must not extend down beyond upper half of pallet
- Wrap must not be tucked under load on top of pallet or between layers.

Contact our experienced sales teams today for a comprehensive review of your application(s) and to see how our Robotic Unwrapper / Unbagger can benefit your company.

Shrink-Wrapped Bulk Glass Qualifiers

Pallet orientation into machine: Narrow or wide way leading (must be specified)

Load height: 120" [3048mm] max

Load not to exceed 1.5" [38.1mm] out of plumb in any direction

Shrink bag nominal thickness to be 4 mils

Shrink bag in cut areas not to exceed one layer (no doubling or overlapping)

Tags, tape, labels and the like are not allowed in cut zone

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