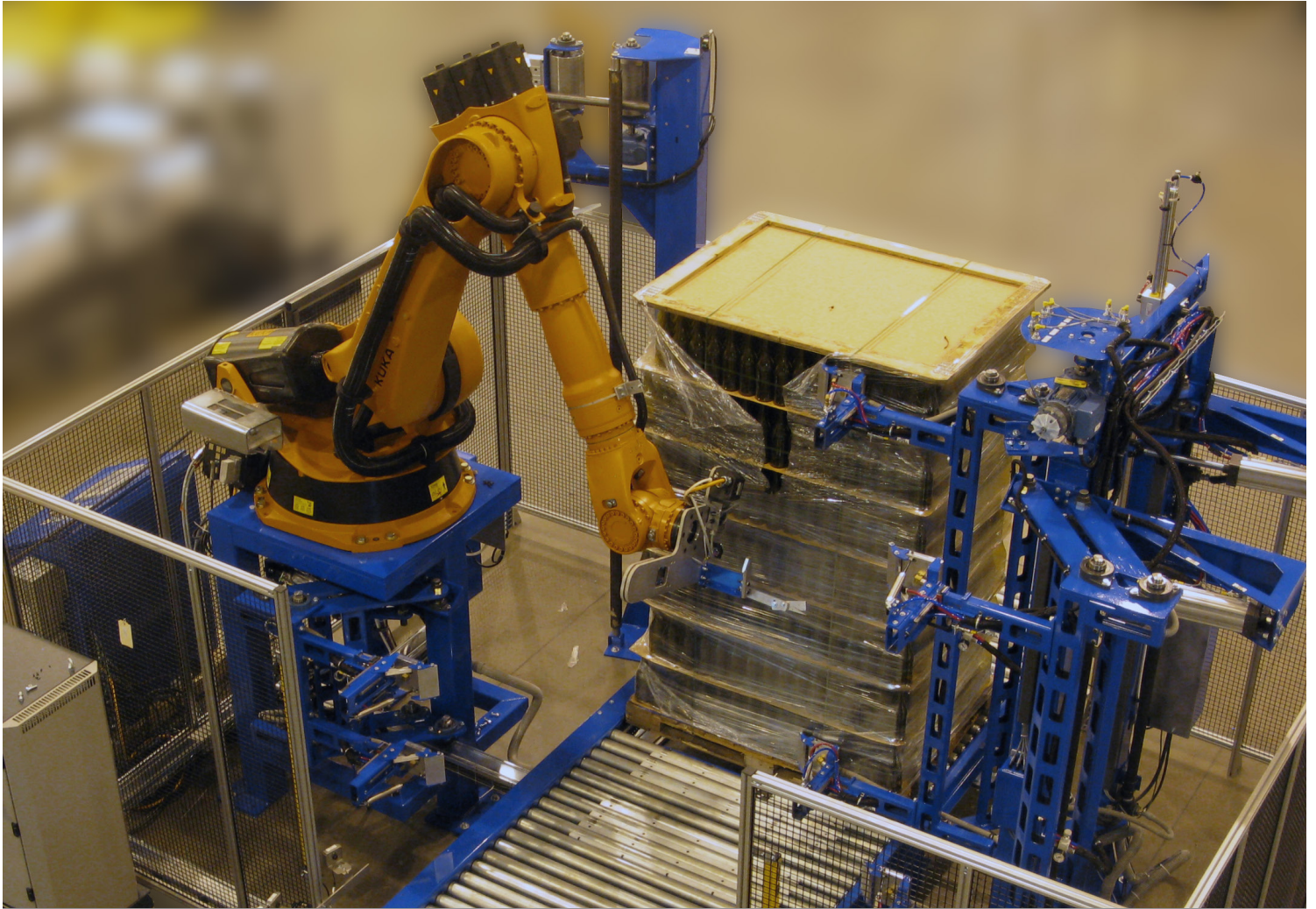




## Robotic Unwrapper



The BW Integrated Systems' Robotic Unwrapper is designed to remove stretch and/or shrink wrap from pallet loads prior to depalletizing. The Unwrapper 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.

# Robotic Unwrapper

Not all wrap types can be handled the same, therefore we offer two applications depending on your specific requirements for wrap removal: 1) The standard stretch wrap Unwrapper 2) The fully featured Unwrapper 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 removed wrap or bag is placed 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 an integrated vacuum pipe system to a bailer. Multiple Unwrappers can feed a common bailer for multi-line applications).

## 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" [38.10mm] for bulk product and 5" [127mm] for case or bundled product - out of plumb in any direction
- Shrink bag nominal thickness to be 4 mils
- Layer to layer offset for case/bundled loads not to exceed 0.75" [19.05mm]
- Total accumulative wrap thickness with 80 gauge film (0.80 mils) - 2 wraps min 0.0012" [0.03048mm] - 4 wraps max 0.0024 [0.06096mm]
- 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] from any edge of the top frame
- 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 can benefit your company.

### 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