

# HL Horizontal Loader

## Automatic Case Packing System

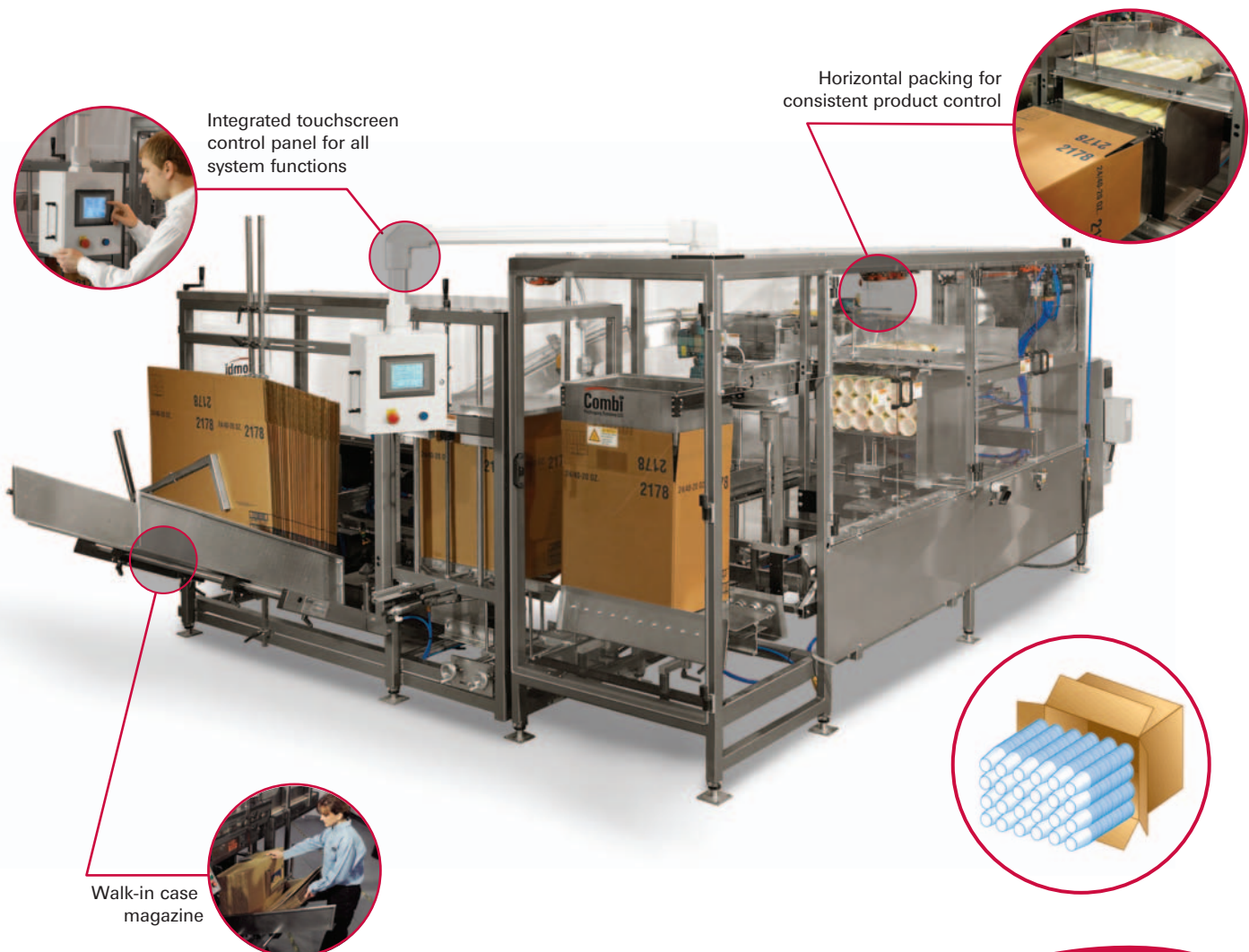
From cartons to caulking tubes, HL Horizontal Loaders are the most compact and versatile case loading systems available. The HL efficiently packs cylindrical or round objects, maintaining horizontal orientation, as well as smaller cartons and blister packs that can be difficult to collate. Integrated with our reliable E-Series case erectors, Combi's patented case placement system accommodates a diverse range of case types and sizes. The HL packs the widest range of products on a single compact system, offering fast changeovers and minimal downtime between product runs. The Combi HL is available with collation solutions tailored to the specific needs of your product.

### Features:

- Versatile product collation and orientation
- Compact modular design
- Quick changeovers
- Full guarding with safety interlocks
- Open access to machine internals
- Easy load case magazine

### Options:

- Intrinsically safe or washdown electrical packages
- Integration with Combi High Speed Case Erectors
- Servo downstacking collation
- Progressive upstacking collation
- Custom designs for special applications



# Horizontal Loader

## Additional Features

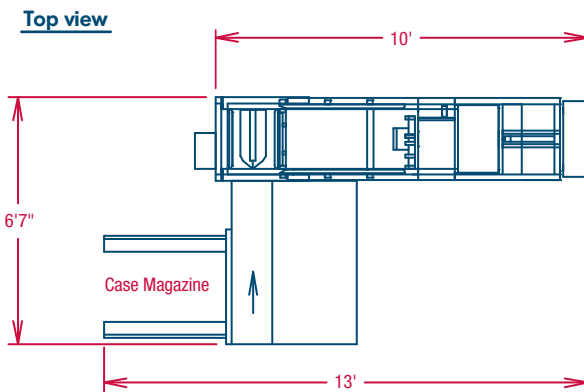
- Heavy duty welded tubular steel construction
- Lifetime warranty on structural framework
- Open access for easy changeovers
- Easy load case magazine
- Right or left hand execution
- Available in multiple footprint configurations to fit multiple product flows or space constraints
- Allen Bradley PLC Controlled
- Lockout / tagout safety disconnect
- One year warranty
- Replacement parts ship within 24 hours

## Technical Specifications

**Electrical:** 230 volt / 3 phase standard  
**Air Consumption:** 80 PSI, clean air supply  
 (consumption is product dependent)

Model	Case Size Min. (LxWxH)	Case Size Max. (LxWxH)	Speed: Cases Per Minute*
HL / E-2000	7 $\frac{1}{2}$ " x 4 $\frac{3}{4}$ " x 4" 191 x 121 x 102mm	16" x 12" x 19 $\frac{1}{2}$ " 406 x 305 x 495mm	12
HL / E-2500	8 $\frac{1}{2}$ " x 4 $\frac{3}{4}$ " x 4" 216 x 121 x 102mm	20" x 13" x 19 $\frac{1}{2}$ " 508 x 330 x 495mm	10
HL / E-3000	13" x 7 $\frac{3}{4}$ " x 6" 330 x 197 x 152mm	24" x 16" x 24" 610 x 406 x 610mm	8
HL / E-3500	13" x 7 $\frac{3}{4}$ " x 6" 330 x 197 x 152mm	24" x 20" x 24" 610 x 508 x 610mm	8
HL / E-4000	16" x 10 $\frac{3}{4}$ " x 10" 406 x 274 x 254mm	30" x 20" x 32" 762 x 508 x 813mm	5

\*All HL Systems incorporate our standard E-Series Case Erectors (E-2000 through E-4000); system speed will vary depending on product configuration



Typical system layout for E-2000 HL System shown.  
 HL systems are available in 8 different footprint configurations depending on product flow and orientation.



## The HL Horizontal Loader

is designed to pack a variety of items that tip easily or pack more effectively when horizontal, including cylindrical products, multi-packs and cartons.



5365 East Center Drive, N.E.  
 Canton, Ohio 44721  
 Phone: 1-800-521-9072  
 Fax: 330-456-4644  
[www.combi.com](http://www.combi.com)

