



Achieve superior load integrity with the BCU-3 unitizer



Signode's MCD 510/BCU-3 unitizer reduces labor costs and ensures superior load stability. Straight, vertically applied strapping stays tight and does not "walk" across the load, providing a more reliable load during handling, transit and storage.

Versatile

The MCD 510/BCU-3 is capable of handling a wide range of package sizes on a random basis without adjustment. And if you produce more than one type of product (e.g., aerosol and coffee cans), requiring both high and low strap tensioning capabilities, an optional dual-tension selector switch is available to accommodate your different load types. The MCD 510/BCU-3's modular design also enables you to conveniently add compression or an underfeed chute if your packaging needs change.

Easy to service

Mounted on an indexing carriage, the MCD 510 strapping head facilitates quick retraction to the service position for maintenance. The protective covers are hinged for easy access to the service area of the head.



Standard BCU-3 without compression



BCU-3 with optional wide platen



State-of-the-art electronics

- Allen Bradley PLC (other PLCs are available as an option)
- Conveyor interlocks

BCU-3 Unitizer for Cans and PET Bottles



Intermixed package sizes

From 30" to 114" high (from 50" to 114" with optional compression).

Open vibrator

Keeps vibrator and face gate open to release strap. This eliminates snagging of the strap on the face gate when moderate tension is not sufficient to ensure release. The open vibrator is located close to the load to improve strap tension and eliminate angular pull.

Automatic air purge

Blasts strap dust from feed and tension wheel areas to maintain greater cleanliness.

BCU-3 with optional narrow platen

Options

■ **Automatic height seeking**

Speeds production by raising the platen just enough to clear incoming loads of varying heights.

■ **Compression platen**

Adjustable from 200 to 1,000 lbs. (0.8 to 4.5 kN). Helps stabilize the load during strapping, and conditions the load for stacking and shipment. *Narrow and wide compression platens are available.*

■ **Platen extension**

Extends the platen for shorter loads (narrow platen only). The platen extension can be added at a later date if your application requirements change.

■ **Dual tension**

Allows tension to be selected between two pre-determined tension settings.

■ **Spare head and test stand**

■ **Riser kits**

Available for conveyor heights above 8".

■ **Under feed chute**

■ **Other chute sizes**

60"W x 62"H
60"W x 86"H
60"W x 114"H



Specifications

Load height:

Model	minimum	maximum
Standard model	30" (762 mm)	114" (2,896 mm)
When optional compression is used	50" (1,270 mm)	114" (2,896 mm)
When optional platen extension is used	40" (1,016 mm)	104" (2,642 mm)

Load width:

30" (762 mm) minimum;
 60" (1,524 mm) maximum

Strapping requirements:

1616LC Tenax® or 1716LC Tenax polyester strapping

MCD 510 strapping head:

Motor: 3/4hp, 1725 rpm

Joint: Tension-Weld® friction joint

Strap feed and take up speed: 5.3 ft. (1.6 m) per second

Pallet voids:

2-1/8" (54 mm) minimum void height with 3/4" (19 mm) bottom deck board.

Conveyor height:

8", (203 mm) standard. Other conveyor heights optional.

Electrical:

230 volts, 6.25 amps; 460 volts, 3.2 amps, 3 phase, 60Hz

Optional 208 volts, 6.9 amps;
 575 volts, 3.2 amps, 3 phase, 60Hz;
 or 380 volts, 4.75 amps, 3 phase, 50Hz (voltage +/- 10%).

Pneumatic supply:

1.1 cu.ft. of free air @ 80 PSI/cycle
 (.03m³ @ 551.6 kPa).

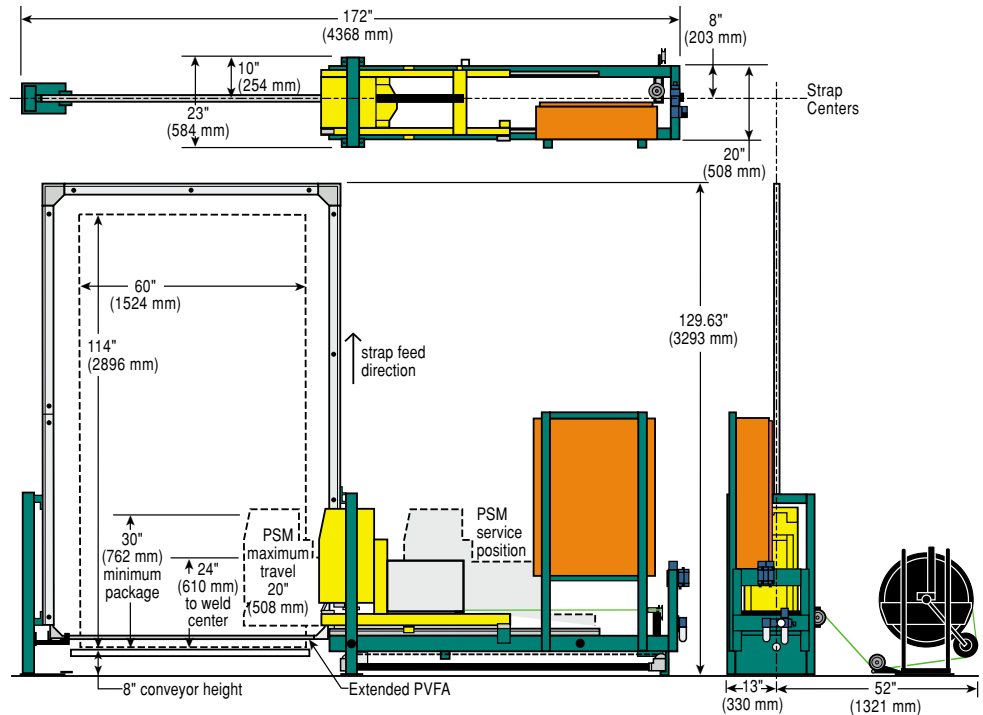
15.2 cu. ft. of free air average @ 80 PSI/cycle (.46m³ @ 551.6 kPa) with optional compression.

Shipping weight:

1,300 lbs. to 2,100 lbs.
 (590 kg to 953 kg) depending upon the model.

Skid dimensions:

134"L x 48"W x 74"H (3404 mm L x 1219 mm W x 1880 mm H)



The Signode System

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Signode Container Industry Systems
 3660 West Lake Avenue
 Glenview, Illinois 60025
 1-800-531-1022