



M2000

SIDE LOAD CASE PACKER

EoL

END OF
LINE

M2000

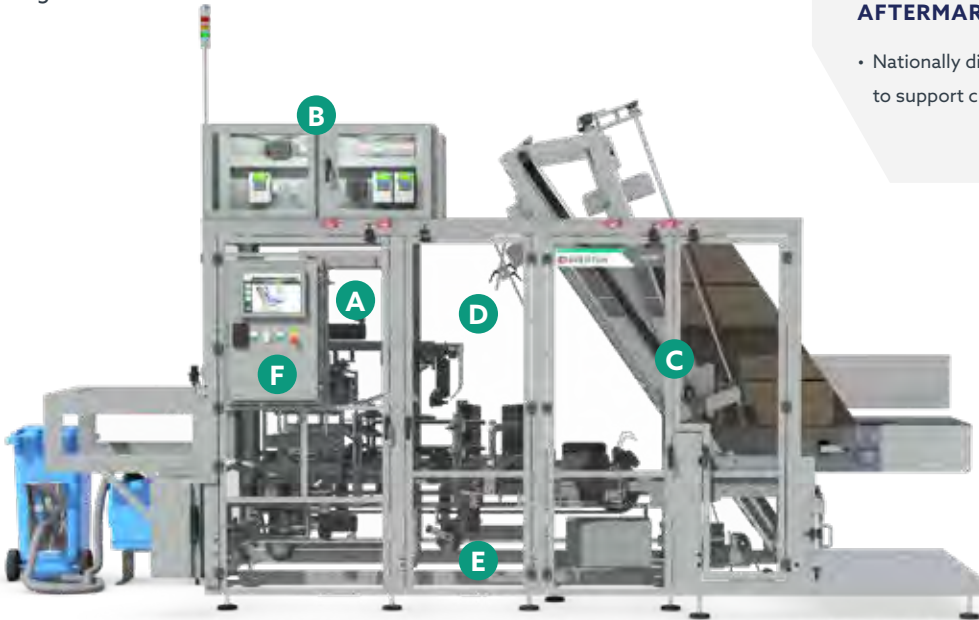
Side load case packer

The M2000: Next generation overview*

The M2000 is Brenton's next generation side load case packer. Replacing but maintaining the mechanical precision of the Brenton Mach-2 and adding updates to the electrics and aesthetics that reduce the case packer's footprint by 25 percent, shortens installation time, and creates an easy to operate machine.

Brenton designed the M2000 to achieve higher "up time" by making changeover straight forward and repeatable. The standard M2000 is rated up to 35 wrap-around, knock down, regular slotted cases (RSC) or trays per minute.

Infeeds are designed to your product, providing the best solution for your case packing challenges.



A. Changeover Verification

Electronic feedback aids in streamlined changeover

B. Space Saving Footprint

Space saving machine mounted electrical cabinets with modular design

C. Simple Installation

Distributed I/O through the machine reduces wiring requirements to save time during installation and start-up.

D. Improved Visibility

Clear guarding and strategic LED lighting

E. Accessible Design

Easy access into the machine for cleaning and maintenance

F. Intuitive HMI

Allen Bradley Standard PanelView Plus features 2-touch navigation to most commonly used functions

Why the M2000?

INDUSTRY LEADING LEAD-TIME

- Standard configurations ship in 16 weeks
- Custom will vary depending on application
- Installation in 8-12 hours

BRENTON EXPERIENCE

- Over 32 years of case packer application experience
- Proven history of durable, reliable machines

HIGHER UPTIME

- Sealed for Life Mounted Rotary Bearings. No Greasing
- Lube for life Roller Chain
- Illuminating guard doors direct you to fault locations

AFTERMARKET SUPPORT

- Nationally distributed, experienced team to available to support customers virtually and on-site 24/7

Being an industry leader in case packing, Brenton offers the highest levels of performance in every solution we build guaranteeing a life long partnership.

Case Compression and Seal

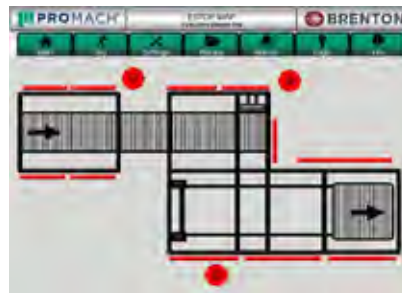
- Major compression has tilted compression plates instead of plowing and side compression
- Tilted compression holds minors in place
- Flaps do not have to be perforated
- Accommodates wide variety of corrugate: quality, recycled etc.
- Plowing can lift trays right out of place when folding flaps
- Gear boxes have been added to all of the servos that did not previously have them to improve our torque rating and prevent induced faults that our torque rating could not handle.
- During a cycle stop of eStop the M2000 holds square, true compression
- Traveling glue heads are standard on the M2000.

Intuitive HMI



M2000 CHANGEOVER CONFIRMATION

HMI Visual aids informing the operator what the set point need to be at the change over location. Elesa digital counters communicate this data with the HMI



SMART RECOVERY

Smart Recovery E-Stop Map helps operator quickly identifying affected area. Jams are easily detected through the servos on the machine. Image of the jam location will populate on the HMI.



USER FRIENDLY

Allen Bradley Panelview Plus HMI features 2-Touch navigation through the nav bar located on the top of each screen enabling two-touch navigation for primary machine functions.

TYPICAL PRODUCT SPECIFICATIONS

	STANDARD	CUSTOM
Infeed	Inline or Perpendicular (T) Flow	Inline or Perpendicular (T) Flow
Product	Cartons / Rigid Containers	Application Based
Speed	up 35 cpm	up 35 cpm
Case Style	Wrap Around, Tray, Knock-down	Wrap Around, Tray, Knock-down, Harness, HSC
Case Size Length (Direction of Travel) Width Depth	5 - 12.75" 6 - 20" 5 - 12"	Varies by application and case style
Orientation	Right or Left Hand	Right or Left Hand
Magazine Length	4' and 8'	4' minimum, varies based on application
Motion Control	Servo	Servo / Pneumatic
Display	10" Color Touchscreen Allen Bradley Panelview Plus	10" Color Touchscreen Allen Bradley Panelview Plus
Construction	Traffic Gray powder coated CRS	Custom Powder Coating, Stainless Steel
Safety System	CAT 3 with Allen Bradley Door Switches	CAT 3 with Allen Bradley Door Switches
Electrical Requirements	NEMA 12	NEMA 12, NEMA 4, NEMA 4X
Air Requirements	80 PSI @ 16cfm	80 PSI @ 16cfm
Lead-Time	16 weeks	Typical 24 weeks (varies by application)



Brenton engineers and manufactures custom case packaging, palletizing, robotic packaging systems including material handling, high speed pick and place, and integrated end-of-line systems. Specializing in food, beverage, pharmaceutical, medical device, personal care, and household products, Brenton surpasses regulatory and market driven demands and creates collaborative, longstanding partnerships to best serve a diverse customer base. Brenton is a product brand of ProMach, a global leader in packaging line solutions. As part of the ProMach End of Line business line, Brenton helps packaging customers protect and grow the reputation and trust of their consumers. ProMach is performance, and the proof is in every package. Learn more about Brenton at www.BrentonEngineering.com and more about ProMach at www.ProMachBuilt.com



DARTRONICS, INC.

PACKAGING AUTOMATION SPECIALISTS



150 William Street Perth Amboy, NJ 08861

Phone: 732-324-0800 | sales@dartronics.com | www.dartronics.com