Aergo® 8 Duo

Blister Packaging Machine

ALLOYD
A TOPPAN COMPANY

Standard Features

Fusion Press Sealing Capability
- 12" x 18.5" sealing area
- Fusion Press with one 8" Bore cylinder
- 3900 watt single phase/single element heater in cast aluminum platen
- Heater temperature range from ambient to 550°F.
- Dual mode sealing
  - Fusion sealing for blister to blister type package
  - Traditional sealing for card to blister type package

Finishing Press Capability
- Finishing press with one 4" bore cylinder
- Integrated finishing press platen with
  - 1000 watt single phase/single element heater in cast aluminum platen for heating
  - Chiller with heat exchanger and water circulation for cooling
- Heater temperature range from ambient to 150°F
- Controlled cooling for plastic to plastic aesthetics

Productivity
- Automatic feed/seal/eject operation
- 4-20 cycles per minute machine operation (production speed dependent on several variables)
- 3 product load stations
- 3 automatic feed stations for packaging materials (blisters, cards)
- Feed stations are reloadable during machine operation

- Quick change seal tooling speeds product changeovers
- Auto-start/Auto-purge via touchscreen control panel
- 50 sq. in. = maximum total effective seal area for one or multiple packages in a single tray
- Variable-speed AC drive

Reliability
- Robust tubular steel welded frame
- CAMCO® Index drive system with overload clutch
- 5 year limited new equipment warranty
- Gray "Steel it" paint for durable surface protection
- Machine frame leveling pads

Operator Controls
- Allen Bradley CompactLogix programmable logic controller (PLC)
- Allen Bradley PanelView color HMI touch screen
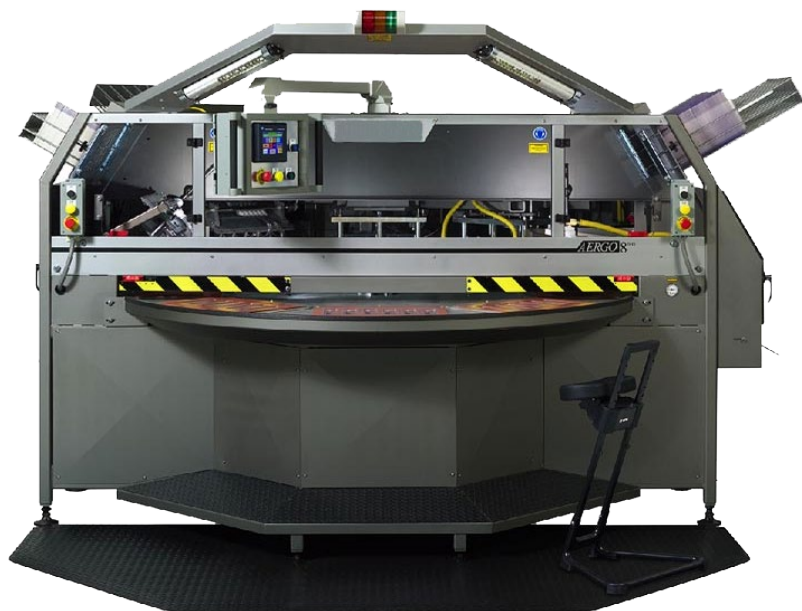
Operator Safety and Convenience
- Heat seal cylinder lock up
- Turntable overload alert system
- Lock-out/Tag-out (LOTO) ready
- 3 E-stop buttons
- Operator foot rest with non slip mat
- 36" turntable height with ample knee room
- EasyLock heat plate mounting system (Previous style mounting still available)
- Signal light tower
- Password protected HMI screens

- Recipe management system
- Touchscreen maintenance alerts
- Machine production counter
- Machine cycle counter
- 24 VDC machine control circuit
- Programming ports
- System air dump on E-stop
- Vacuum loss detection
- Guard doors with safety interlocks
- Audible machine-start-up warning tone

Optional Features

Options and Accessories
- Auxiliary feed stations for blisters or cards
- Automatic heat plate exchange system (ATEX)
- Feed station magazine guards
- Heater alignment fixture
- Heater burnout alarm
- Heat seal station short stroke
- Interior lighting
- Nesting tray adaptors for 12" x 16" tooling
- Non standard voltage options
- Overhead canopy lighting
- Second thermocouple
- Validation ports to access actual sealing parameters for process validation
- Annunciated safeties
- Previous style plate mounting system
- Polycarbonate doors
- NIST certified traceable instrumentation for process control

Two Sealing Machines in One!

The innovative Aergo 8 Duo Blister Packaging Machine provides the means to seal two different types of packages on one machine:
- Traditional blister heat seal card packs
- Two-piece plastic to plastic welded clamshell packs

This advanced duo technology employs an innovative process to cleanly and securely weld two-piece plastic clamshells, while also providing ability to seal general heat seal packages—all with a simple tool change.
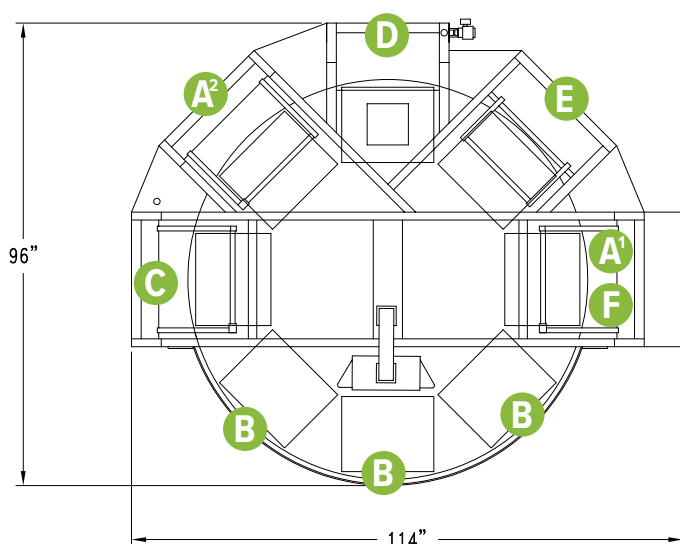
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Machine Floor Plan

A¹ – Dual-purpose station automatically feeds blisters into nesting trays and ejects

A² – Blisters feed automatically into nesting trays

B – Operator loads products into blisters

C – Cards feed automatically into nesting trays

D – Blisters are automatically heat sealed

E – Finish press extracts heat from sealed packages

F – Sealed packages ejected from the machine

Standard Features

Machine type	Automatic rotary/Turntable
Number of product nesting trays	8
Product load stations	3
Automatic feed stations	3
Seal area	12" x 18.5" (30 cm x 47cm)
Maximum form depth	3"
Fusion Press Sealing Unit	
Heater capacity	3.9 kw
Air cylinders for press	1 NFPA
Bore diameter	8" (20 cm)
Maximum total effective seal area (@100 ps)	50 sq. in.
Operating temperature range	Ambient to 550°F (288°C)
Finishing Press Unit	
Heater capacity	1000 watt
Air cylinders for press	1 NFPA compliant
Bore diameter	4" (10.16 cm)
Operating temperature range	Ambient to 150°F. (ambient – 65.5C)
Machine Controls	
Processor	Allen Bradley Compactlogix PLC
Operator interface	Allen Bradley PanelView Plus color HMI touchscreen
Electrical	
Volts	208/230 VAC
Amps	Approximate 41 FLA@230vac
Cycles	50/60 Hz
Phase	3
Compressed Air	
Volume (Fusion Press)	36 CFM@20 cpm
Volume (Finishing Press)	9 CFM@20 cpm
Pressure	100 psig (7 kg/cm 2)
Exhaust filter w/silence mist eliminator	.01 micron
Vacuum System	Electric 1.5 HP
Machine Dimensions	
Machineheight	87" (220.98 cm)
Product load station height	36" (91.84 cm)
Machine width	114" (289.5 cm)
Machine depth	95" (241.3 cm)
Machine weight	4,300 lbs. (1,950.4 kg)
Operator Safety	
Emergency stop buttons	3
Controls	3 emergency-stop push buttons
Guards	Doors w/electric safety interlocks
Noise emission	<80 db
Preventive features	Heat seal press lock up Lock-out/Tag-out (LOTO) ready Password protected HMI screens Air pressure switch

TOPPAN Alloyd reserves the right to modify machine specifications and components without prior notice.