

Tab-Lock Tray Former Series 4200 Tray Former



Key Features

- Magazine holds up to 250 blanks
- Quick changeover using digital readouts
- Allen-Bradley Logix Series PLC
- Allen-Bradley PanelView HMI
- Heavy duty cold-rolled steel frame throughout
- Heavy duty line shaft with hardened cams and cranks
- Steel-in epoxy paint finish for corrosive environments; food grade paint is also available
- Full perimeter guard package that allows for easy access
- Available cluster lubrication for centralized maintenance

Tab-Lock Tray Former

Series 4200 Tray Former

Thiele Technologies' Series 4200 Tab-Lock Tray Formers are completely mechanical machines. They are built for high efficiency, easy maintenance, and reliable multi-shift operation.

Typical sequence of operation begins when mechanically actuated vacuum cups remove a blank tray from the magazine. The blank is set-up in position, with the four minor flaps folded up. As the tray is advanced, the flaps are folded inward. The flaps are now folded down to form the tabs into their locked formation. At this point an insert station located within the body of the machine inserts a corrugated or paper sheet into the formed tray. The tray is then discharged to the downstream equipment.

An Allen-Bradley PLC is provided as standard and is equipped with a PanelView touch screen operator interface.

This system offers touch screen control of the machine, with on-line display of changeover date and fault diagnostics. This control system is a recognized industry standard and has been proven to be reliable and user-friendly.

Wiring standards comply with NEMA 12 electrical specifications. Optional packages are available for wet or corrosive environments. The equipment is designed for use with standard 240/480 volt, 3 phase, 60 Hz input power. Input power is converted to 120 VAC and 24 VDC power for electrical controls, as required through a step-down transformer.

The machine comes equipped with a standard air filter/regulator unit. An 80 PSI input is preferred. A low pressure sensor is provided, which shuts down the machine in the event that air drops below 35 PSI.

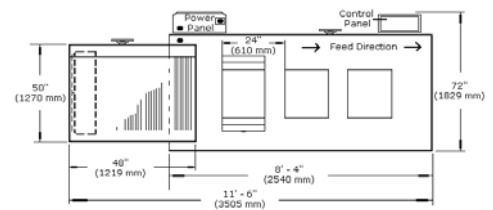
All Thiele packaging equipment incorporates features to ensure optimum operator safety and provide protection for the machine. The Series 4200 Tab-Lock Tray Formers are enclosed in hinged, full-length, single piece, clear polycarbonate guards.

Series 4200 Formers are fully adjustable within their specified range and may be changed over. Flexibility to run other future products is made possible with additional change parts. Digital indicators for quick adjustment are also standard.

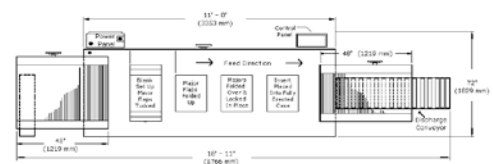
Optional Features

- Food grade white paint
- UL listing of electrical parts
- Extra E-stops on main frame
- Plug in jog cord
- Three color beacon light
- Extension to expand tray storage capacity

| Specifications | | |
|---|----------------------------------|---------------|
| Speed | | |
| Series 4230 | Up to 30 trays/min | |
| Series 4240 | Up to 20 trays/min | |
| Tray Size Range | | |
| | Minimum | Maximum |
| Length | 9¾" (248 mm) | 17¼" (438 mm) |
| Width | 1¼" (32 mm) | 2¾" (70 mm) |
| Depth | 12¼" (311 mm) | 25½" (648 mm) |
| Tray Storage Capacity | | |
| 250 blanks (extension available optionally) | | |
| Electrical Requirements | | |
| Input Power | 240/480 volts, 3 phase, 60 cycle | |
| Control Voltage | 24 VDC control package NEMA 12 | |
| Air Requirements | | |
| Operating Pressure | 80 psi (5.4 Atm) | |
| Line Pressure | 90 psi (6.1 atm) | |
| Maximum Free Air Consumption | 12-16 scfm | |



Series 4230



Series 4240

All sales are subject to our prevailing terms and conditions. Illustrations and specifications are subject to change without notice. Machines shown without guards are for illustrative purposes only. Guards are supplied and must be in place before operation.