VC999®

I-SERIES
INDUSTRIAL ROLLSTOCK THERMOFORMER



MANUFACTURED IN
NORTH KANSAS CITY, MO

KEY FEATURES:

- Large tooling
- Stainless steel frame
- Large index

INTERCONNECTED

The I-Series thermoformer runs on a reliable PLC platform. Software is design to navigate the HMI machine interface on an industrial PC with ease.

INTEGRATED

Mechanical direct-drive design, Servo-driven, advance system for high speed and accuracy. 2kW Servo motor (9.55 Nm continuous torque / 28.6 Nm maximum torque). Communications to the Servo amp is over the field bus to make the system immune to noise (a VFD versionis also available.). The motion profile is fully programmed through the HMI (distance, acceleration, deceleration).

IRRESISTIBLE

The design features a corner and recess-free design for easy cleaning and steralization.





- The software designed to navigate the HMI machine interface with ease
- Swing-arm mounted 12.1 LED back-lit color HMI machine interface
- IP65 stainless steel enclosure
- Intelligent Buss terminal system with integrated diagnostics



- The feed servo-controlled, forming and lidding film unwinds with linear actuator for optimal unwind tension control
- Electro-pneumatic regulated for optimal tensioning control and to minimize contamination
- Trapeze free linear dancer Roller System

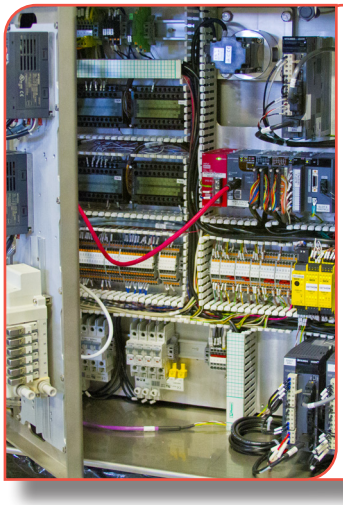


- Stainless steel, slip-shaped panels
- Easy machine access by tilt out or complete panel removal

PACKAGING TYPES



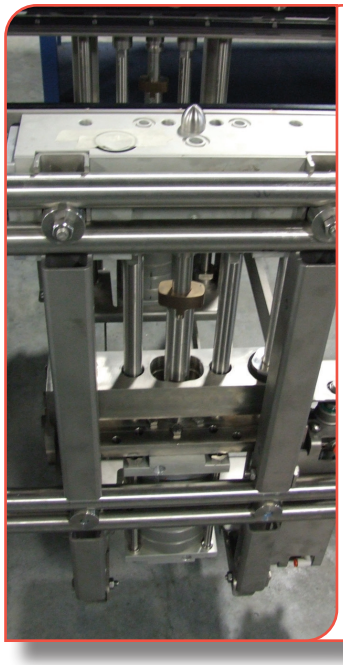
FLEXIBLE, RIGID, SEMI-RIGID, SKIN *(BELOW WEB LINE)* & SHRINK FILMS



- All cabinets feature a swing out pneumatic panel for easy maintenance
- Specially designed closing mechanism assure tight closing, IP65 wash down rated
- Reduce your lifecycle costs with readily available, open source parts



- With sanitation in mind, unique open sanitary frame architecture for the best visibility and access into the machine
- Corner free frame design which eliminates standing water for a true wash down machine



- Independent forming and sealing LLP Lift Stations (patent pending)
- Programmable Lift Stations LLP (Lift, Lock, Pressure) generates up to 15 tons of closing force via advanced intensifier technology (patent pending)
- No die shimming needed to process flexible or ridged thermoforming films
- Low maintenance, no grease lubrication required via IGUS composite bearings



INTELLIGENT

Comprehensive zone-specific safety design utilizes PLC-controls, less connection points, less wiring, easy to maintain and troubleshoot. Ultra high speed, Gigabit Ethernet Field Buss CC link IE field, 10 times faster communication speed. Real time protocol enables control of remote I / O field devices with essentially no transmission delay.

INNOVATIVE

The frame has a unique corner free frame construction, modular, flexible, highly customizable concept to accommodate current and future requirements. All stainless double stage, independent lift construction. Lubrication free composite IGUS bearings. Tunnel guard design for discharge safety. Unique modular, dome shaped with heavy duty lifting doors for dual side access.

INCLUSIVE

Machine documentation specifically configured to each machine, easily accessible online, on flash drive or in a manual format.

IDEAL

The I-Series combines industry-leading technology to achieve superior safety and sanitation levels. The support team is responsive and globally accessible. The low maintenance design makes the machine even more affordable.

INTERNET

The Internet and USB connections utilize VPN, video communication, and remote-program loading to communicate directly with VC999 service engineers.

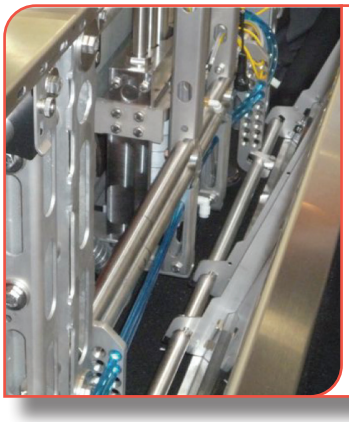
INCREDIBLE

The I-Series thermoformer from VC999 comes with an industry leading, comprehensive 2-year / 2 million cycle warranty. Designed with maintenance in mind, the machine offers great accessibility.





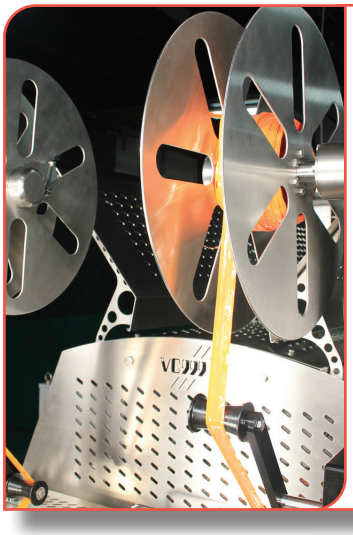
- Rollers are open for wash through and to accomplish the best hygienic design.
- The I-Series can be positioned up to 200 mm above the floor



- Most cables are running outside the frame for easy access and troubleshooting.
- Cross machine wiring, stainless cable organizer allows easy access and wash through to avoid contamination



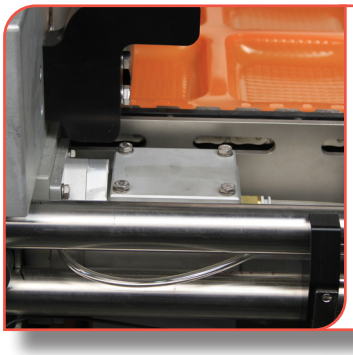
- The I-Series is designed to be transported in sections for ease of shipment and on-site installation.
- The I-Series offers unprecedented post installation expandability to adjust machine specifications and capabilities as production demands change



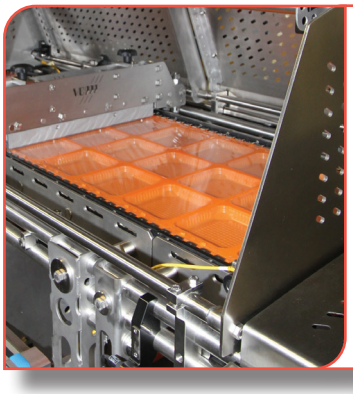
- VFD tension controlled automatic powered trim wind up wheels
- Operated via interface and information stored for each product
- Operator-friendly, tilt out wheel design
- Quick-release side plates for quick trim removal



- Sanitary chain and rail design utilizes heavy-duty industrial chain with 360 degree cleaning to reduce chain stretch and eliminate potential contamination
- Chain tensioning system is easily accessible, and located at the end of the machine



- Maintenance friendly vacuum valves are easily accessible.
- Service areas designed for quick and easy access to reduce maintenance time and costs



- Form and seal safety covers are made out of stainless 300 series, dome shaped design and made for tooless removal.
- The I-Series discharge area includes an innovative tunnel guard and interlocking safety covers

INTERNATIONAL

Built to exceed the highest global safety, hygiene and sanitation standards. Designed on a multi-lingual platform. Power requirements match any standard electrical system.

INFORMATION

A comprehensive MIS (management information system) monitors production, alarm data acquisition and data storage features via PC or cellular device. The VC999 Industrial LAN Router allows for remote internet access. The router detects the IP address automatically. International training available on-site or at our Switzerland and US manufacturing centers. Easy access to service manuals online, on CD or in print. Real-time assembly QA documentation, maintenance logs and service history available online throughout the life of the I-Series machine.

INVESTMENT

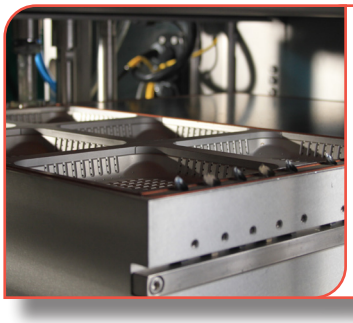
Designed with life cycle costs in mind. The I-Series is more economical due to an open source parts concept, lower utility costs, fewer moving parts and a lower part consumption rate.

INDUSTRIAL

Seal die and form die tops are machined from solid blocks of aluminum. The heavy-duty 5/8" pitch chain is robust, sturdy, and designed for a tough environment.

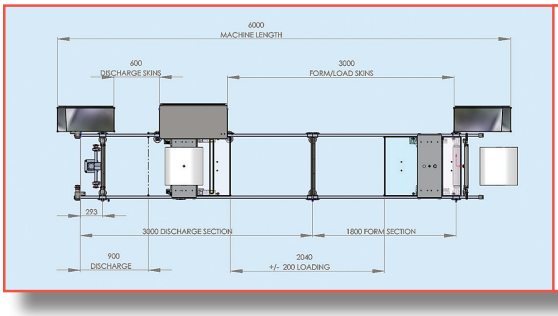
INDIVIDUAL

The modular design of the I-Series can be customized to fit your needs, then easily modified for production changes and future growth.



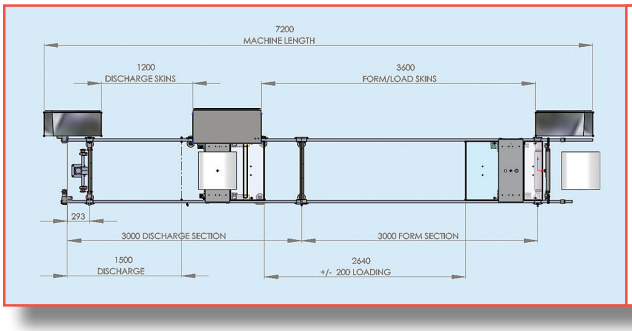
- These advanced tooling capabilities allow even the most complex tooling requirements to be made from single block aluminium.

MACHINE SPECS	
STANDARD MACHINE WEB WIDTHS	285 / 320 / 355 / 420 / 459 / 520 / 560 / 620 / 660 / 720 mm
MACHINE WIDTHS	285 / 320 (1155 mm) 355 / 420 (1255 mm) 459 / 520 (1355 mm) 560 / 620 (1455 mm) 660 / 720 (1555 mm)
CUSTOM MACHINE WEB WIDTH	Increments of 5 mm from 320 - 720 mm
STANDARD MACHINE LENGTHS	6000 / 7200 / 8400 / 9600 / 10800 mm *Length can be extended in increments of 1200 to 19200 mm (max)*
MACHINE HEIGHT	1850 - 2050 mm
MAXIMUM INDEX LENGTH	1200 mm
DRAW DEPTH	50 / 100 / 135 / 185 mm
STANDARD UNWIND	Roll diameter 500 mm Maximum weight 95 kg (210 lbs)
JUMBO UNWIND	Roll diameter 1000 mm
POWER SUPPLY	220 V / 3 Ph / 60 Hz 220 V / 3 Ph / 50 Hz 400 V / 3 Ph / 60 Hz 400 V / 3 Ph / 50 Hz 460 V / 3 Ph / 60 Hz
REQUIRED AIR PRESSURE	Minimum 7 bar (103 PSI) @ 576 l/min
REQUIRED AIR FLOW	Usage depends on machine configuration
REQUIRED COOLING WATER FLOW	Usage depends on machine configuration



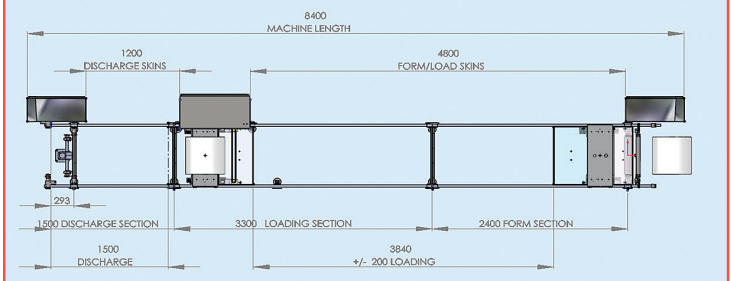
MACHINE LENGTH: 6000 mm
DISCHARGE: 900 mm min.
FORMING/LOADING: 2040 mm max.

- Sealing station can be moved to increase discharge length by 300 mm increments and reduce loading length by 300 mm based on application requirements.



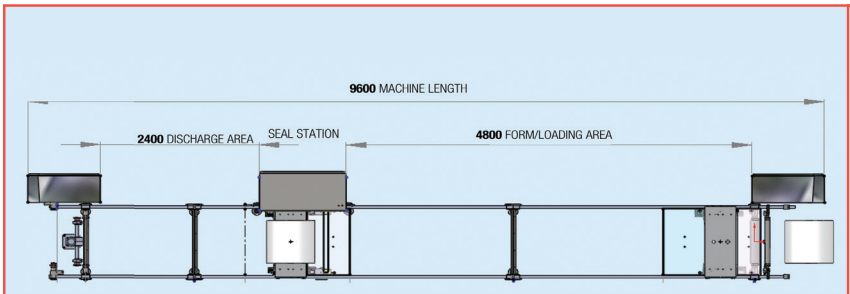
MACHINE LENGTH: 7200 mm
DISCHARGE: 1500 mm min.
FORMING/LOADING: 2640 mm max.

- Sealing station can be moved to increase discharge length by 300 mm increments and reduce loading length by 300 mm based on application requirements.



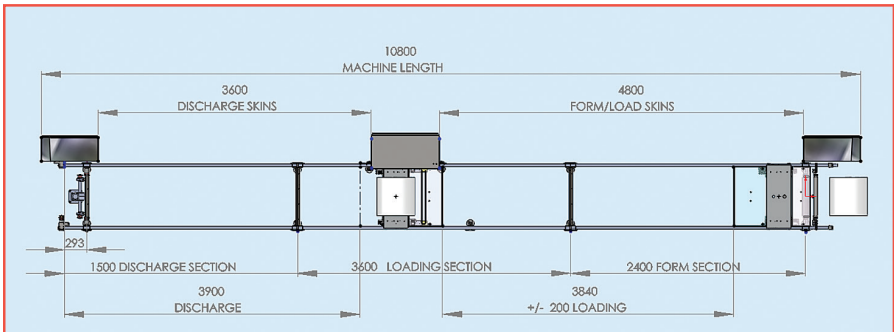
MACHINE LENGTH: 8400 mm
DISCHARGE: 1500 mm min.
FORMING/LOADING: 3840 mm max.

- Sealing station can be moved to increase discharge length by 300 mm increments and reduce loading length by 300 mm based on application requirements.



MACHINE LENGTH: 9600 mm
DISCHARGE: 2400 mm min.
FORMING/LOADING: 4800 mm max.

- Sealing station can be moved to increase discharge length by 300 mm increments and reduce loading length by 300 mm based on application requirements.



MACHINE LENGTH: 10800 mm
DISCHARGE: 2400 mm min.
FORMING/LOADING: 4800 mm max.

- Sealing station can be moved to increase discharge length by 300 mm increments and reduce loading length by 300 mm based on application requirements.

VC999®

ROLLSTOCK PRODUCTS

I SERIES



P SERIES



R SERIES



C SERIES



M SERIES



The brand name VC999® stands for vacuum capacity 99.9% - a reference to the highest vacuum performance that can be achieved.

For over 50 years, VC999 has been at the forefront of innovation in vacuum packaging, leading the way in cutting-edge technology and design.

Our extensive product range includes everything from compact table-top vacuum machines to a full line of advanced packaging systems such as shrink-wrappers, dryers, tray sealers, and thermoformers - providing all the tools you need to package your high-quality products with excellence.

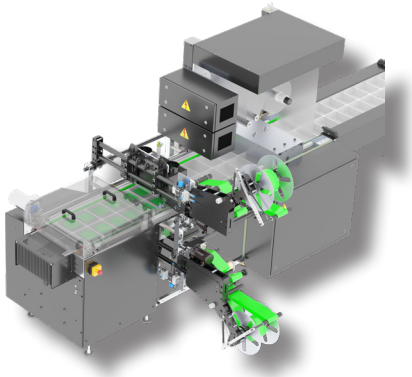
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VC999 materials PACKAGING plus+

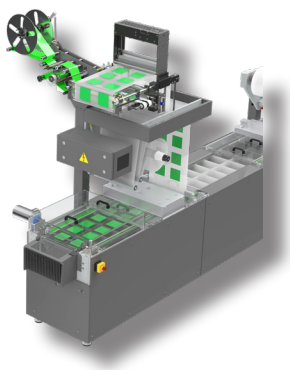
ALSO AVAILABLE: SAFETY LIFT SOLUTIONS

We also offer Safety Lift Solutions to help dramatically reduce workplace injury while improving the safe handling of rolls, reels, drums, boxes, and other product loads.





TOP AND BOTTOM PACKAGE LABELER



FILM LABELER