

MULTI-HEAD WEIGHER



MECHANICAL FEATURES

The PrimoCombi® 360 multi-head weigher is designed for high performance applications requiring increased production rates and tight accuracy tolerances. We have engineered the PrimoCombi® to challenge the norms and raise the bar by offering industry leading mechanical features.

SOFTWARE

The 360 Operating System powers by Windows™ provides the users with easy to use, retain and powerful software to produce high accuracy, performance and results.



0.5L

LEADING EDGE MECHANICS

The PrimoCombi® is designed for operators, technicians, managers, and executives. The objective was to create a food safe machine, requiring less operator subjectivity with quick service-ability and of course reliability, accuracy, and speeds.



ADJUSTABLE HOPPER

The tool-less adjustable and rotating hopper provides convenience during product change-over, cleaning, and allows for better product flow.



CONSTRUCTION

The PrimoCombi® mechanical design provides a clean and uncluttered machine. No nooks or crannies for bacteria to hide, its innovative stainless steel open frame construction reduces wash-down time dramatically.



SMARTER ELECTRONICS

CAN bus electrical system significantly reduces wiring and components making the PrimoCombi® easy to service and inexpensive to maintain. The NEMA 4X electrical control panel is remotely mounted and can be installed away from the scale, making it easy to access and eliminating risk of damage when cleaning.

LEADING EDGE SOFTWARE

The 360 Operating Software was designed to make combination weighing easy. Every feature was created and tested with the customer in mind.

Years of research, dedicated development, and 1.4 billion bytes of code later, we have designed the most user-friendly and efficient combination scale in the world.



ONLINE SUPPORT

Free Online support allows technicians to be available in real-time eliminating delay, downtime, and the costs associated with them. Stainless steel encased overhead IP-65 digital camera also makes servicing easy. Connect in real-time to watch remotely from any location.



REPORTING

Our PC operated systems provide production reporting capabilities to be able to track yields and performance.



PC OPERATED

Our machine interface provides the user with a system that's both powerful, elegant and easy to navigate. PC panels running via Windows platform, also include WiFi connectivity, USB for data transfer and ethernet connection.

Features

Mechanical:

- Open frame construction for clean-ability
- Stainless steel frame and leveling pads – 304
- Stainless steel product contact parts – 304
- Center cone – precision strain gauge load cell
- Weigh buckets - Precision strain gauge load cells
- Overhead IP-65 digital camera
- Dual rows of buckets – feeder and weigh
- Heavy duty vibrator motors
- Tool-less remove-able buckets, pans and chutes
- Flat surface buckets, pans and chutes
- Product transfer chutes
- Swing out hopper assembly
- Wipe down construction
- Tool-less up / down hopper adjustment
- Plug in vibrator motors for service-ability

Electrical & Software:

- Remote online technical assistance with WiFi / Ethernet
- Color touch screen PC panel with WiFi / Ethernet
- Microsoft Windows™ based operating system
- Infinite recipe production, recipe recall and real-time adjustments
- Recipe allocation to a bar code and personalized image
- Multilingual customizable operator interface
- Advanced security settings and user control
- Automatic triggers & alerts
- Integrate to ERP / MRP / MES / SCADA
- Advanced CAN bus wiring architecture
- Remote mounted electrical panel for service-ability
- Quick disconnect touch screen and electrical panel
- Staggered weigh bucket dumping for product control
- Import / Export data via USB – recipes, reporting and more

Weight range

- 1 gram to 200 grams subject to volume
- Individual piece weight should not exceed 1/3 of total net weight.
- Ideally the PrimoCombi® will use 3-5 buckets to achieve a combination.

Electrical

- North American 230 VAC / 1 Ph / 60 Hz
- International 240 VAC / 1 Ph / 50 Hz

All other electrical specifications available on request at additional cost

Air

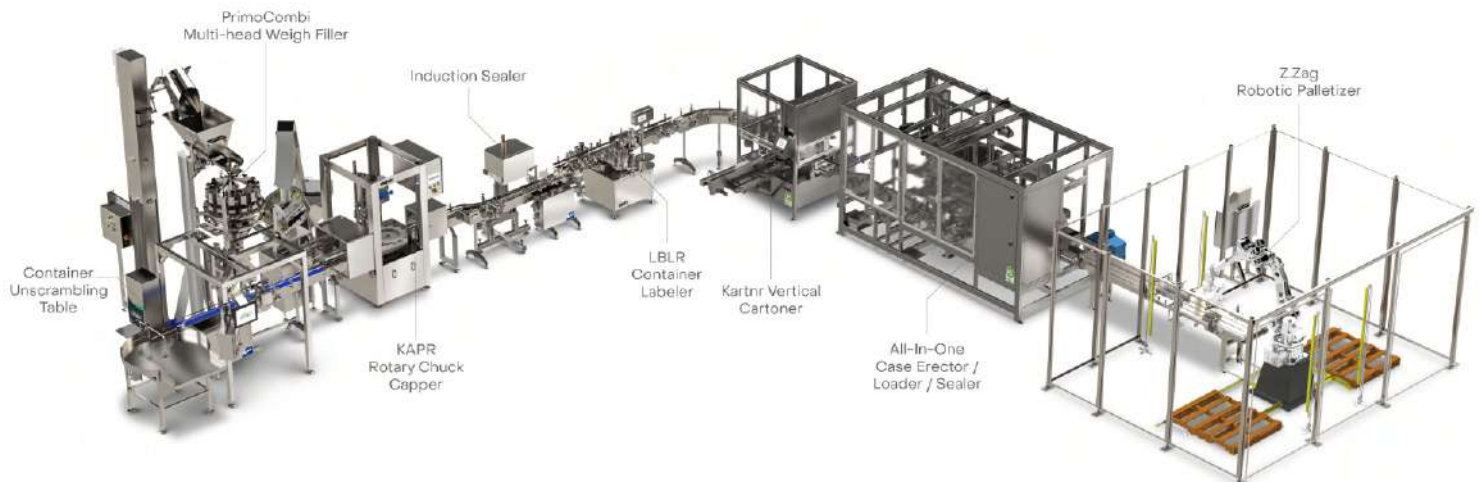
PrimoCombi® standard: none

PrimoCombi® wash-down:

- North American 1 CFM / 3-5 PSI
- International 30 L / min / 0.2-0.4 bar

Options Available

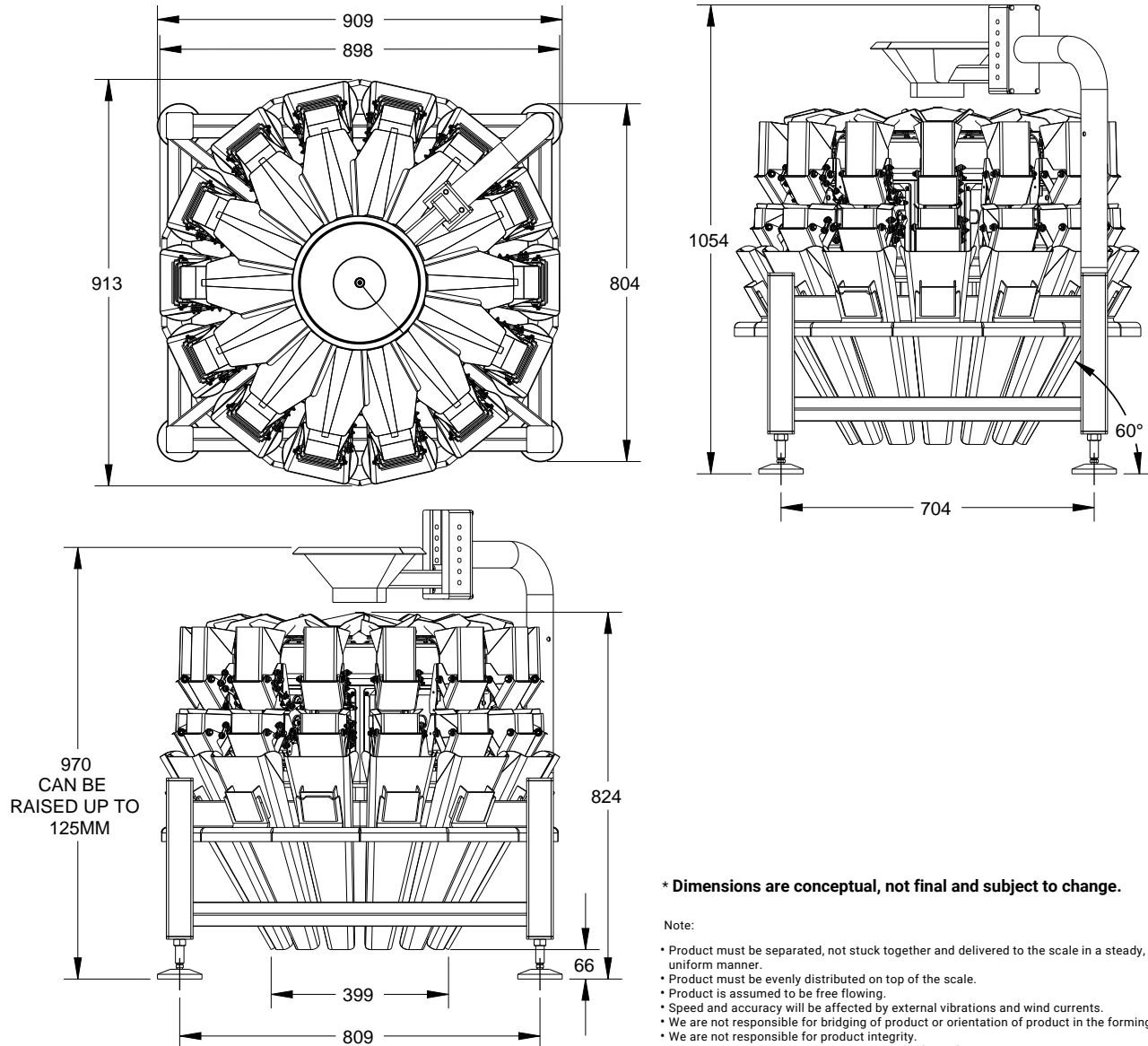
- Dimpled contact parts – for reduced surface contact
- Timing / catch box – for product staging
- Washdown kit – drip clean
- IP-67 color touch screen
- Bar code scanner – for recipe recall
- Lexan cover with / without interlocks
- Transition funnel to auxiliary packaging machine
- Rack for contact part storage
- Consumable spare parts



*Specifications subject to change without notice.

*Turnkey Packaging System shown above. Auxiliary machinery sold separately.

Layout Drawing - 14 Head (mm)



*** Dimensions are conceptual, not final and subject to change.**

Note:

- Product must be separated, not stuck together and delivered to the scale in a steady, even, and uniform manner.
- Product must be evenly distributed on top of the scale.
- Product is assumed to be free flowing.
- Speed and accuracy will be affected by external vibrations and wind currents.
- We are not responsible for bridging of product or orientation of product in the forming tube.
- We are not responsible for product integrity.
- We recommend dimpled product contact surfaces for potentially sticky product.
- We assume scale operation in a temperature controlled environment – required to prevent product sticking.
- For wet, sticky or frozen product: if production line is shut down for more than 10 minutes then scale must be completely cleared out of product.
- Product seasonings, sugars or oils may build-up on product contact surfaces and require cleaning to maintain proper product flow and scale performance.