



KIT WIZARD

SMALL PARTS PACKAGING SYSTEM

CONSISTENTLY BUILD AND VERIFY PRE-ASSEMBLY OR INSTALLATION KITS USING THE KIT WIZARD

J.A. Kings Kit Wizard application ensures components going into pre-assembly kits are consistently & methodically verified, in sequence, to a supervisors pre-defined checking script, regardless of whether the part is too light to be check-weighed.

The supervisor defined checking script, prompts the kit builder via text and graphic image to add a part. Components which are heavy enough to be check-weighed, are checked to within a supervisor defined upper & lower limit.

Incorrect under-weight components are identified with an amber under-weight error. Over-weight components are identified with a red over-weight error. Correct, within weight tolerance components are temporarily shown in green, prior to the next

component to be added being shown to the kit builder.

For parts that are so light, that they are indiscernible compared to larger part weight variances, the application still tracks & verifies that those parts have been added, by prompting the kit builder to add, & verify that a part was added into a kit.

Each component weight is logged, so that over time, a weight trend can be plotted for each specific component. This provides feedback to the supervisor so that minimum & maximum weight tolerances can be adjusted accordingly.

Production counts of completed kits & component usage are recorded providing management with up to the minute data, to help manage kit production, along with completed kit & component inventories.



SYSTEM OPTIONS

- Bar code scanner (to identify components or complete kit).
- Label or ticket printer (to print a QC-checked kit label or ticket)
- Bag sealers (can be enabled / disabled).
- Box / case tapers (can be enabled / disabled).
- Production count message displays can be updated.
- Kit production & component inventory usage data can be provided to management & other systems.
- Stack-lights can be used to provide 360 degree visual, & audible component check feedback.

ADAPTABLE FUNCTIONALITY

Excellent for companies which have a repetitive batch assembly process, requiring several small to medium size, similar type & weight component- that are “kitted” prior to being required for final assembly of a product. Great for companies who issue kits to their installers or end-customers, who require 100% verification that the correct parts have been placed into their kits. (For example, companies that manufacture flat-pack furniture, gas grills, or other products which require off-site installation or end-customer final assembly of their products using a kit of supplied fasteners & parts).



FIG 1. INTERFACE

Easy to read customized user interface



FIG 2. INDICATOR

RL 1280 programmable indicator

SYSTEM BENEFITS

Having accurate & verified pre-assembly parts kits saves time and money, by improving production assembly efficiencies and throughput. Customer service is also improved because a major reason for complaints is avoided as installers or end-customers can install or assemble their equipment / product without any delays, caused by missing or incorrect parts because their kits have been methodically checked and verified as complete. J.A. King has further enhanced its process weighing applications in the area of kit building, taking advantage of the latest programmable indicator from Rice Lake. This indicator has a hi-brightness, 7” color touch display, which offers an intuitive application user interface, where graphic images of parts, work steps, or process status can be clearly displayed.

INDICATOR KEY FEATURES

- Seven-inch, 800x480 pixel, graphical color display that adjusts for ambient light conditions.
- Highly customizable graphical user interface
- Five-wire resistive color touch screen that can be used with gloves
- Built-in web server for remote access, systems integration and data monitoring
- USB, Ethernet TCP/IP, WiFi and Bluetooth®

Contact J.A. King for all of your weighing, measurement, or process control applications and to discuss your application requirements.