



**Want to add VALUE and PROFITABILITY to your business?**  
*Compare these key advantages of Colmac's AccuCounter system to the competition.*

### GENERAL features

- You will spend less money throughout the lifetime of your AccuCounter system. The use of our patented **Variable On Demand Vacuum** system saves energy and maintenance costs, and provides longer motor life. The fan motor runs only when the operator is counting, not while sitting idle. The mechanical blast gate damper for controlling the vacuum is eliminated. The system, therefore, uses less energy and moving parts, reduces maintenance, and decreases noise. Many utilities are now offering rebates for the use of variable frequency drives. Contact your local utility or search "VFD rebate" on the internet. **\*\* See additional advantages below for using Variable On Demand Vacuum.**
- You will not be charged for technical support during the life of your system.\* Competing vendors charge up to \$120 per hour for any service call or reloading the software under warranty.
- Colmac uses Dell and other high quality, industry standard components offering greater reliability.
- A high quality, 15-inch industrial LCD touch screen monitor is standard on our workstations.
- One-year warranty covers parts and software and is not a "pass through" warranty from the OEM.
- Workstations have shorter front-back depth for a smaller footprint that requires less space on the plant floor.
- Colmac has been in the laundry industry for 50 years. We have a 214,000 sq. ft. UL, ASME, CE, CSA certified manufacturing campus employing over 70 employees consisting of engineering, IT, and manufacturing personnel.

### INFORMATION TECHNOLOGY features

- No need to stop counting operations during file Import/Export to route accounting system.
- Built in **REPAIR** tool fixes any data corruption problems that may occur. Corruption sometimes occurs after a power outage. No need for lengthy technical support intervention.
- Soil ticket items can be hidden from appearing on the count screen. Operators won't need to weed through a lengthy list or accidentally choose an item that is not soil counted such as "fuel surcharge".
- Transmits real-time count data from the workstations at Gigabit Ethernet network speeds.
- UPS battery backup, surge suppression, and daily automatic back-ups.
- Alerts the office staff when new inventory items have been added to the system that needs to be sized or translated to other languages.

### Reporting

- Extract the data you need and export it to other applications like spreadsheets, etc.
- Total soil counts at the end of the day by piece quantity, weight, or your own assigned point value.
- Identify accounts having no soil counts for a particular delivery date.
- Bag identification capabilities – Items counted within each bag displayed on a report.
- Database files can easily be linked to Access, Crystal Reports, or other applications.
- Reports can be accessed externally from any networked PC.
- Optional external report writer available, allowing you to create your own reports.

### SOIL COUNT WORKSTATION features

- Quickly starts to the main count screen during initial boot-up.
- Stations can continue counting if host server or network is not operational.
- User-friendly symbols, linen thumbnail photo's, complaint reporting, and operator logout recording provide critical information for the operator and management.
- Updated operator interface screen displays diagnostic information to help the operator more efficiently control and monitor the system.
- Look up soil tickets onscreen using the customer account number.
- Highlight on-screen soil ticket items using various colors to help the count operator quickly select.
- Flash an on-screen message to the operator about a particular customer account communication.
- Easily charge customers having abused linen's or bags that slow production such as those with excess trash.
- Productivity goals and standards provide informative details to management.
- The AccuCounter's proprietary PLC logic accurately counts only one piece while the sensor is blocked. This becomes critical with wet bar mops and large tablecloths when vacuum decreases due to excess paper trash clogging the system.
- Photo Sensors have quick disconnects for easy replacement. Shielded cables eliminate noise and static.
- Operator is warned when a count sensor suddenly becomes dirty or misaligned.

- Galvanized metal vacuum transport tubes with quick-release clamps are superior in design over PVC.
- Low voltage controls mounted directly on solid stainless steel bin. No wood used in bin construction.
- Air system includes regulator, measuring gauge, and safety lockouts for convenience and safety.

### **AccuSort CLASSIFIER SYSTEM features**

- Variable, on-demand, vacuum based system captures lint and debris, requires 2/3 less horsepower, and provides more suction over competing "bullet" models.
- Provides suction power to convey large items such as bed sheets and tablecloths.
- The fan motor runs at various speeds depending on the need for vacuum demand from the count stations.
- Allen Bradley PLC controls bin dumps. No additional PC computer and monitor are necessary to maintain.
- Graphical indicators display the current capacity of the bin and dump cycles.

### **\*\* Additional advantages of using Variable On Demand Vacuum**

- Controlled Acceleration and Deceleration
- Eliminates Motor Voltage Imbalance
- Reduced voltage starting eliminates the large inrush current normally associated with motor starting.
- The motor is not starting or running at full speed at all times.
- Current consumption is reduced during low speed and high torque conditions.
- Unnecessarily high stress on the machine mechanics is reduced.

#### **•SOFT START Comparison**

During a soft start by means of a voltage ramp, the current starts at a certain level, increases to a maximum value, and then drops back when the motor's rated speed is reached. This closely resembles an adjustable-speed drive, but performs only one function — slowly increasing the voltage applied to an ac motor. This method is not as advantageous as using a VFD, particularly because the high stress of starting and stopping the vacuum fan motor is increased. Current consumption is not reduced as compared to the frequency-controlled VFD. There is no method of quickly stopping the motor faster than coasting to rest in a soft-start configuration. VFD's offer *Dynamic braking* which quickly stops the vacuum motor thus shutting off the vacuum and not requiring a mechanical damper gate. The number of starts and stops can be increased and no stress is caused on the motor in a VFD configuration.

\* *Technical support costs may be charged if problems are caused by misuse.*