Overview Of SITMA C80/750 Re-Manufacture Program

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Servipac's History

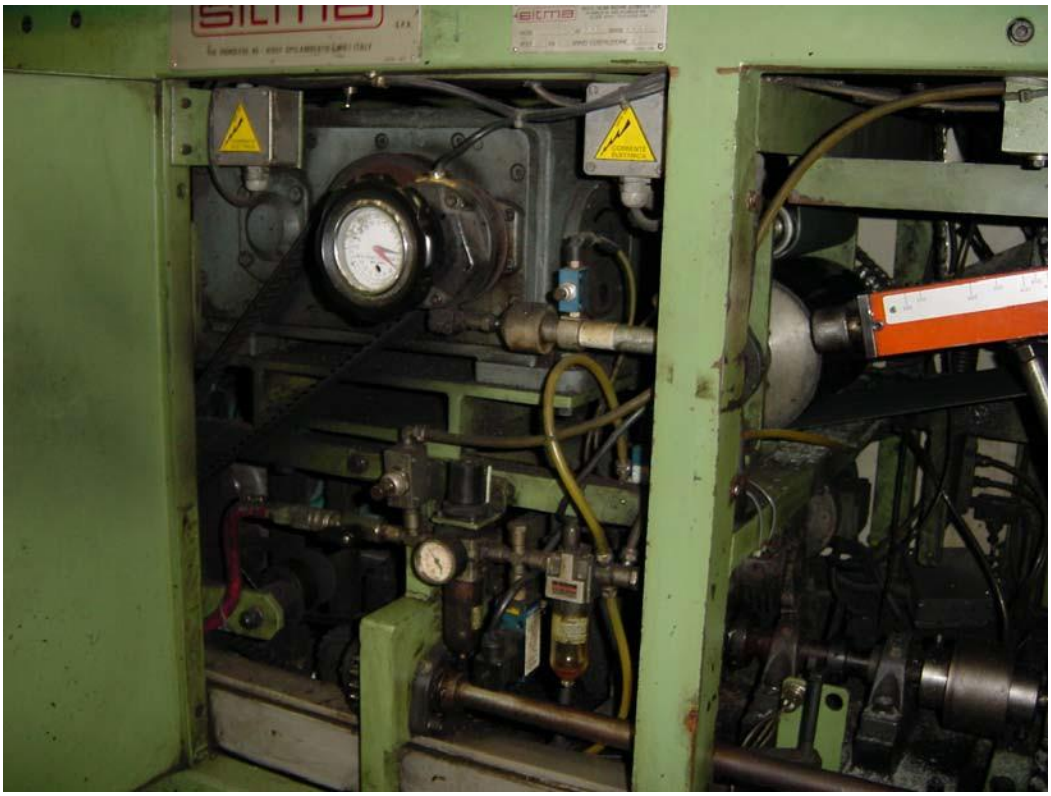
Servipac, Inc. founded by David Rodriguez, is based in Dallas, Texas. Servipac has been engaged in the maintenance, modification, and design of flexible packaging systems for more than thirty years. Servipac has extensive experience with high-speed polywrapping systems for the finishing and mailing segments, and has completed successful projects for:

- R.R. Donnelley & Sons Company
- Hewlett-Packard
- Avery Dennison
- Brown Printing
- O'Neil Data Systems
- New York Times
- Shutterfly
- Best Buy
- CMC Srl
- SMRE Srl

Servipac also brings expertise in sophisticated motion-control technology to bindery and mailing applications, with conversion from mechanical systems, to servo-motor power and control.

Why Re-Manufacture A SITMA Polywrapper?

SITMA is known as the world's leading polywrapper manufacturer, and SITMA has a large installed base of machines. However, the great majority of these machines are fundamentally mechanical. Running a SITMA C80/750 takes a skilled operator, as there are many adjustments for the seal bar stroke and height, length seal, product length and more. And while the mechanical components and adjustments are reliable, they require lots of maintenance, and will not run as fast (or as consistently) as newer machines which employ servo's and motion-control.



Typical SITMA wrapper bay.

Incredibly crowded with reducers, shafts, chains, etc.

Difficult to make adjustments and maintain.

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But the price of the LATEST polywrappers with this technology is prohibitive (in most cases). With new polywrappers starting at $300 - $400,000. Since the basic frame of a SITMA C80/750 polywrapper does not wear or deteriorate, why not convert this machine to the latest technology?

The advantages are many:

- Cost: The machine can be re-manufactured for less the HALF the cost of a new SITMA polywrapper.
- The customer does not simply get a machine with new bearings and belts, but a polywrapper with the latest power and control technology, which will outperform the original equipment. Estimated throughputs will increase by at least **30%.**
- Bag length will reduced, thereby making a smaller (better-looking) polybag and saving film.
- Operator's have a much easier time of it. A completely new operator GUI is installed. The new GUI and controls reduce machine make-ready by **at least 50%.**
- Maintenance of the polywrapper is also greatly reduced. Accessibility to machine components is also greatly enhanced, making any necessary maintenance much easier to perform.
- New electrical cabinets are installed, and the system is re-wired (with schematics supplied). This "corrects" the typical wiring additions that have been made over the years by maintenance.

What's Involved In The Process? - Additional Benefits

- All controls are Allen-Bradley - Servo motors, drives, and inverters are Emerson electronics.
- A new control panel is included which can
- All controls and safeties are "upgraded" to Category 4 EU.
- New electrical prints for easy troubleshooting.
- Optional: Communication between feeders on gathering section via DeviceNet™. Eliminates "hard-wiring".

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The C80/750 wrapper frame is completely "cleaned-out during the re- manufacture process

Newly Installed motors With timing belt and new electrical conduit

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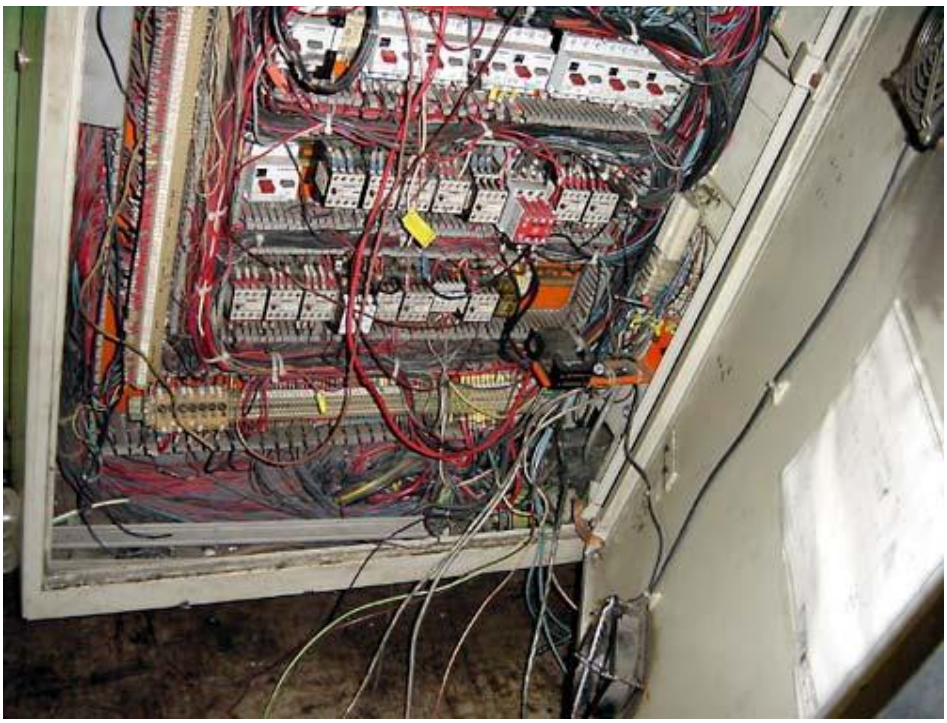

Old electrical panel - Not Pretty

New panel with

Control Techniques (Emerson) Drives

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Original SITMA film unwind reel stand. Unwind is NOT powered, resulting in film stretch and inaccurate registration when using printed film.

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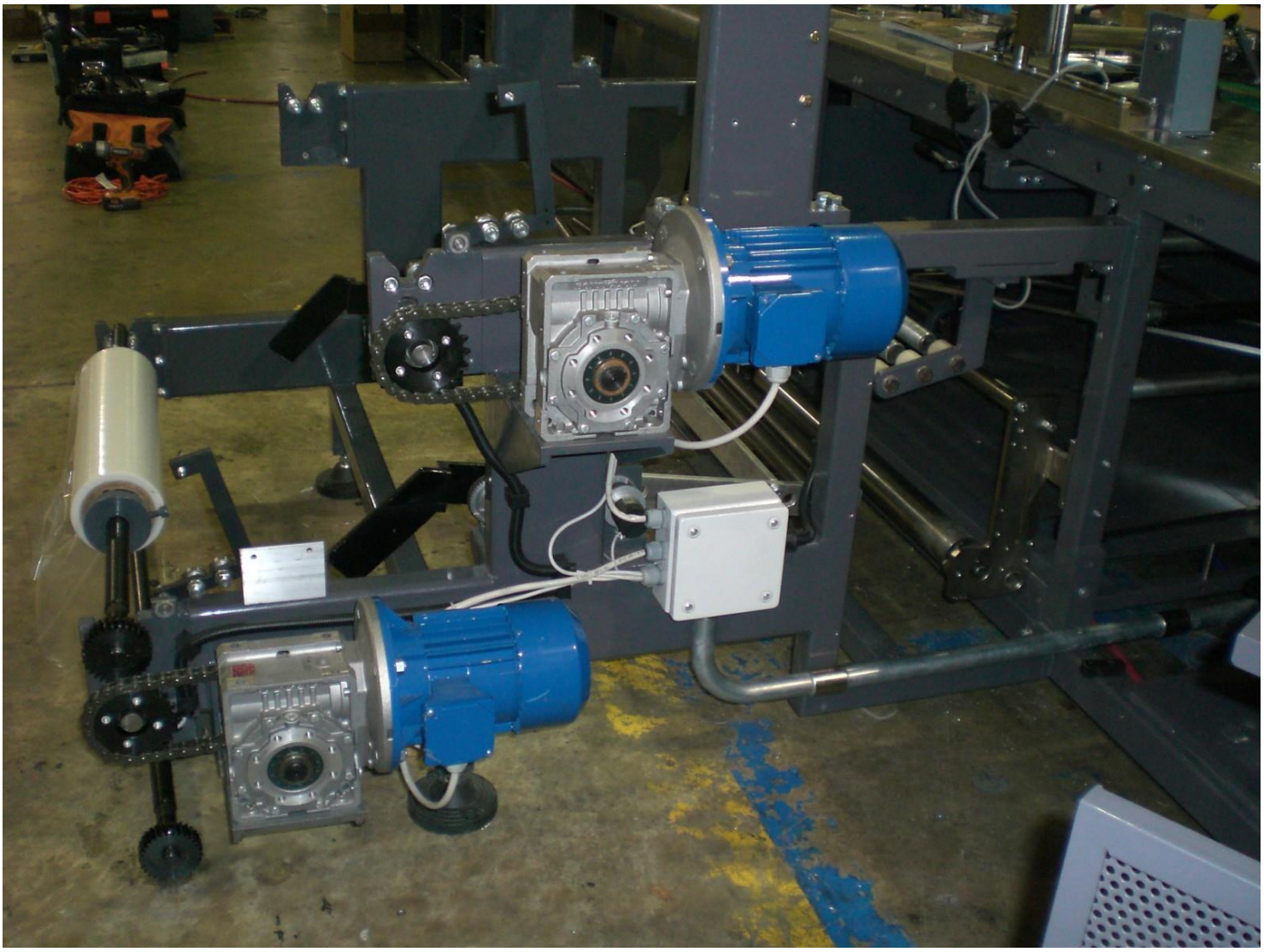

NEW film unwind system – Both rolls are POWERED. NO film stretch, tighter package, better printed film registration. Unwinder motors have safety-interlocked covers.

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Most work is done at Servipac's re-manufacturing facility in Dallas, Texas. We are aware that most customers cannot be without their machine for an extended period of time. That's why we always have a re-manufactured C80/50 wrapping section "ready-to-ship" to the customers site.

The new wrapper module is shipped, and Servipac removes the original module and installs the new one.

New electrical cabinets on SITMA gathering section

The gathering section, including SITMA rotary feeders and shuttle feeders, is worked on "on-site". All worn parts are replaced, including belts, bearings, shafts, etc. New "barber pole" status lights are installed on all 675 feeders. The time period for the complete process is approximately TEN working days.

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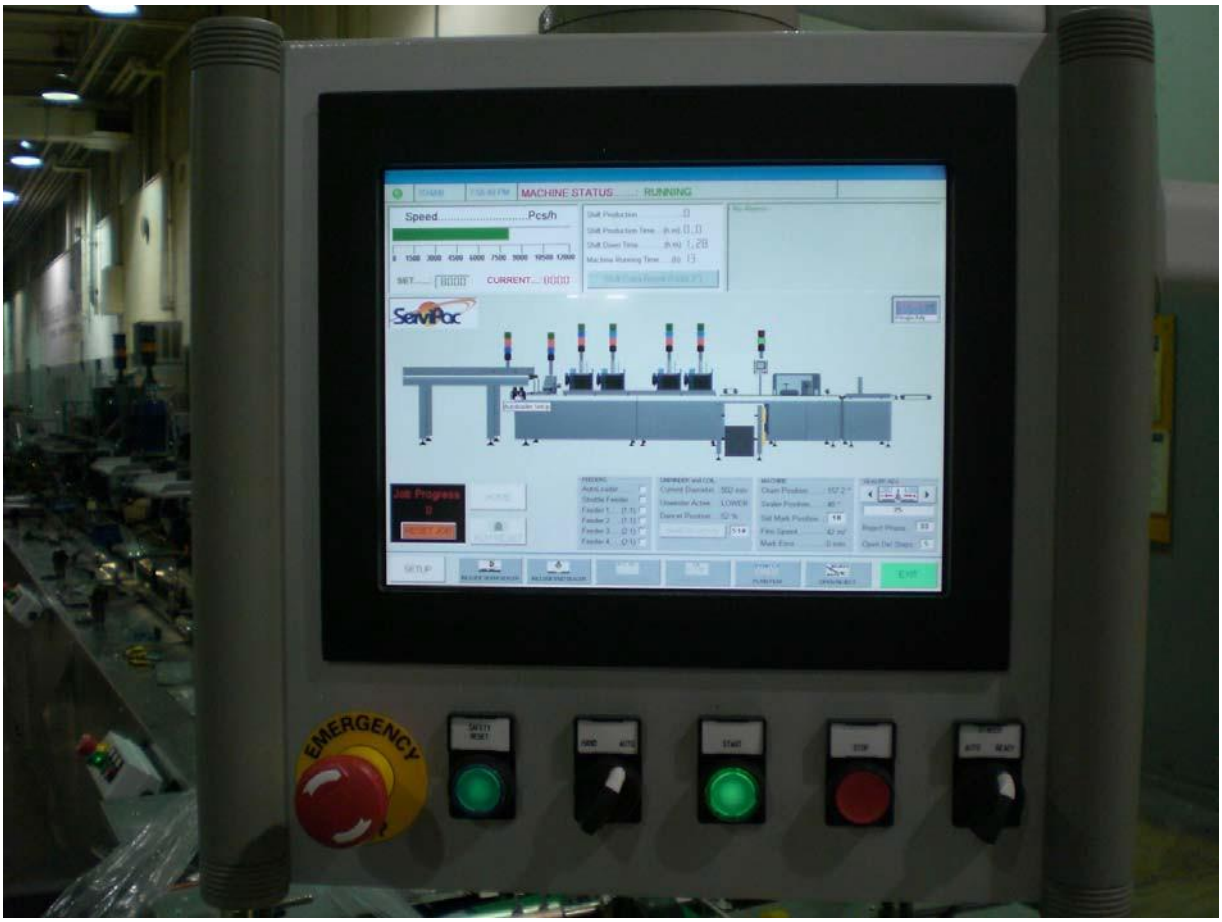
Software And Controls:

Bringing the Sitma C80/750 totally "up-to-date" involves new software and controls. There would be no sense in installing the latest electronic controls without new and improved line control and postal-sorting software to accompany the upgrades.



The operator GUI runs a complete software package which permits full access and control of:

- Package length.
- All sealer temperatures
- Production speeds, throughputs, job data.
- Job settings may be saved for recall.

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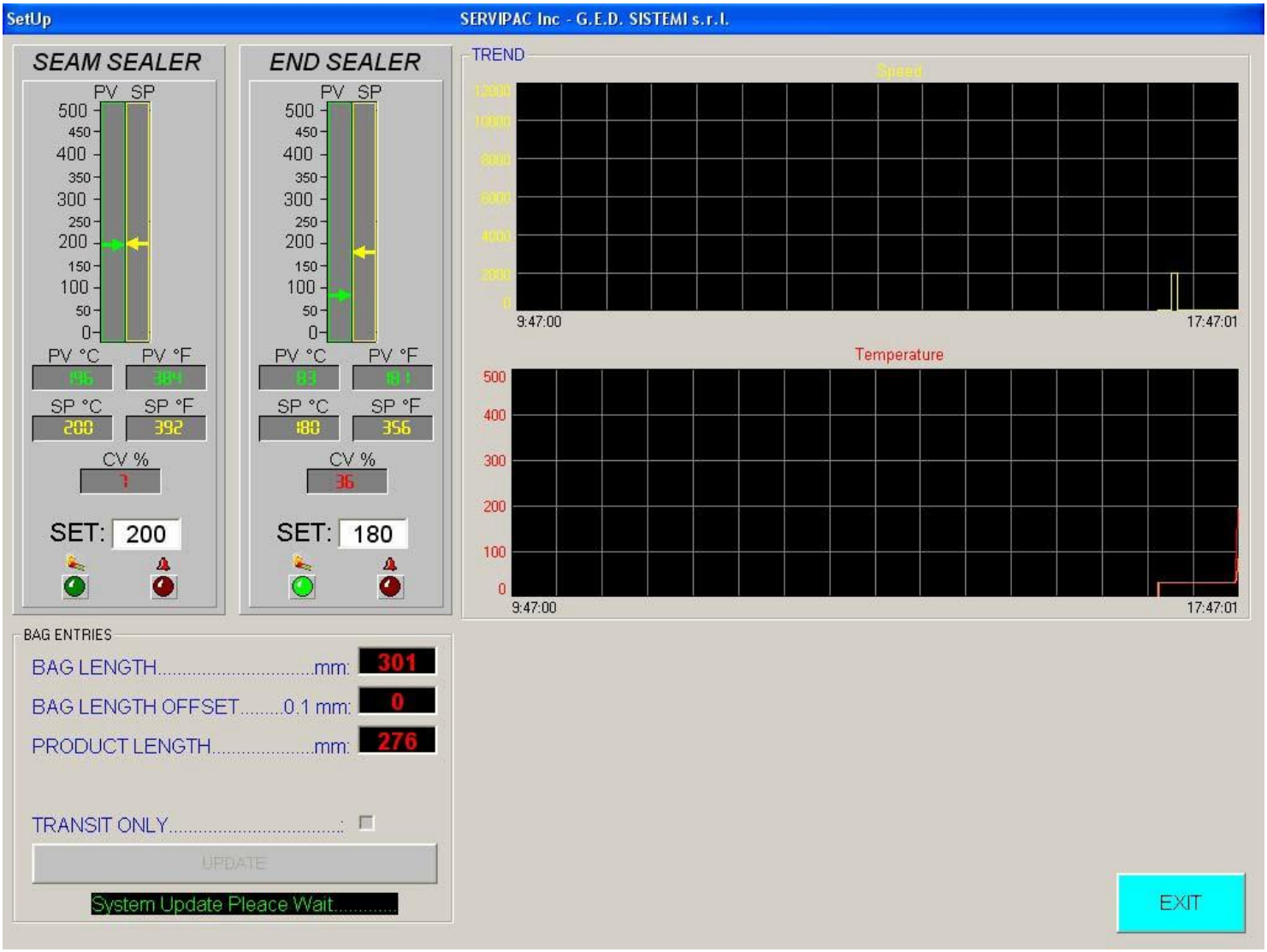
The Operator GUI gives the operator total control over the polywrapper from ONE access point



Sealer temperatures can be set, controlled and monitored

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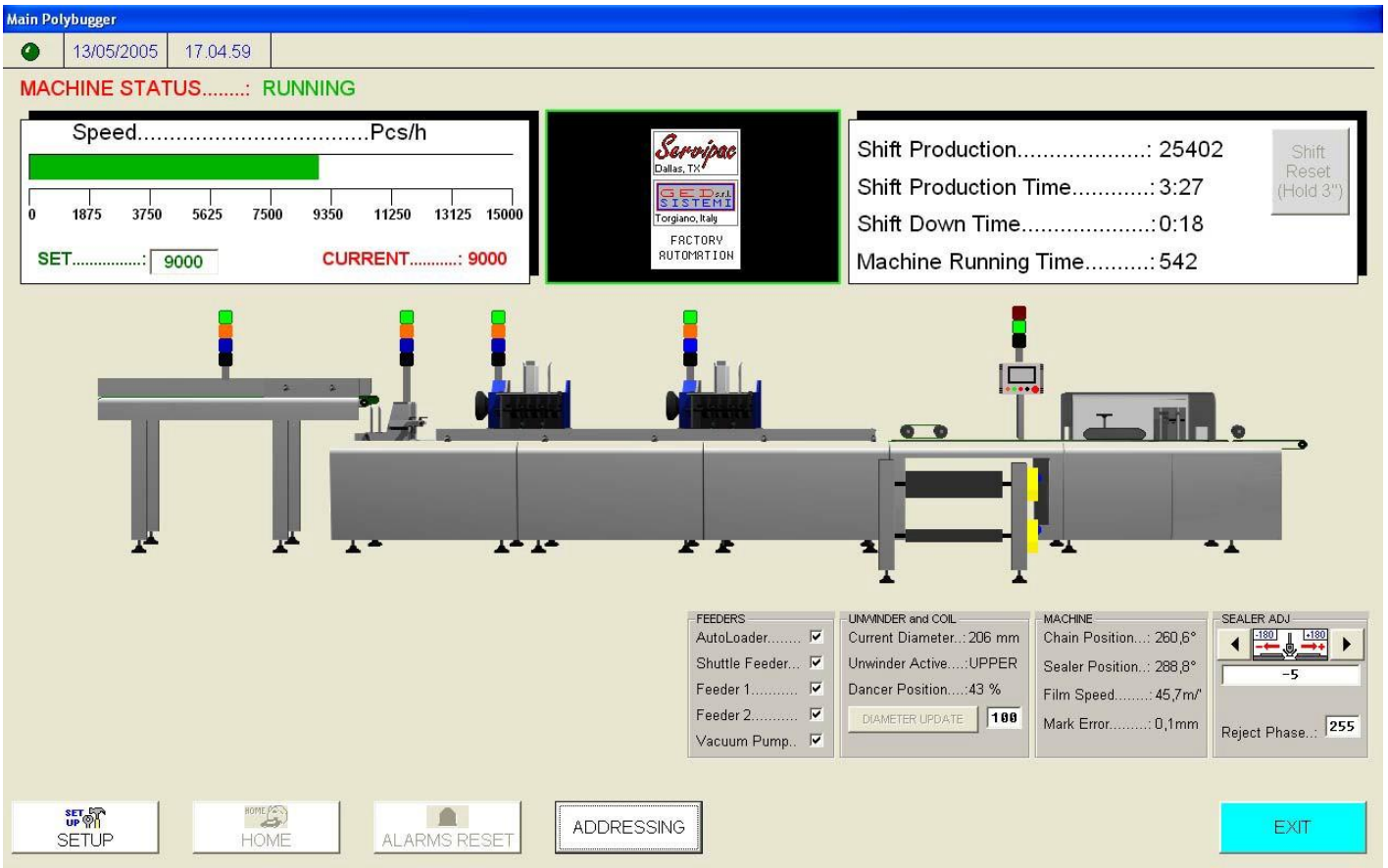
Optional Selective, Matching, and Postal Sorting Software:

Servipac has also developed additional software specifically designed for the Sitma C80/750. Depending on the application, Servipac's enhanced software package can:

- Provide complete postal sortation control and control of either a Sitma compensating stacker, or a Rima stacker. Source can be from an ink-jet printing system, paper labels, or a camera can be used
- Matching pre-personalized inserts fed from one of the rotary feeders.
- Selective feed control based upon data printed on an insert or onsert, OR from a database.
- Production logs and machine shift data which can be exported in a variety of file types.



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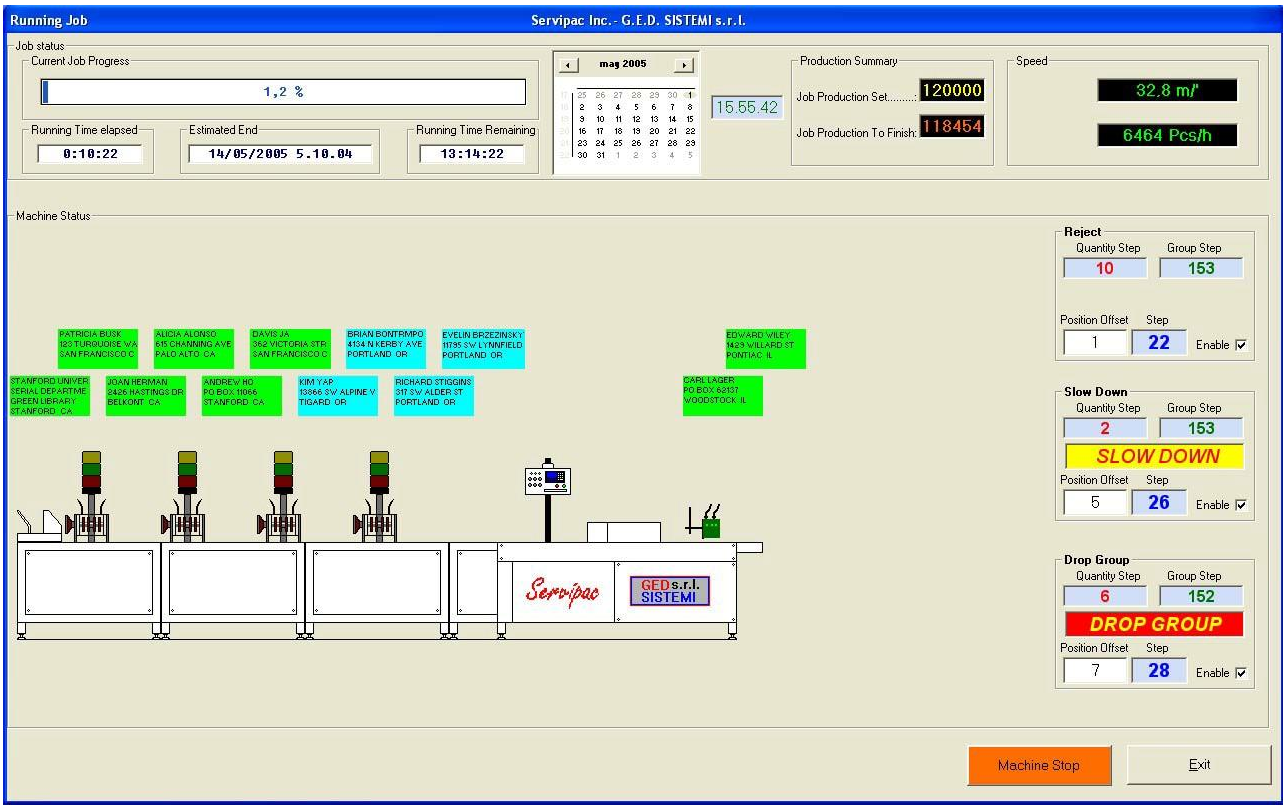

Servipac can custom-tailor software designed for your specific application

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