



CURTIUS technologies, inc.

presents

Rebuilding and upgrading program of envelope folding
and printing equipment

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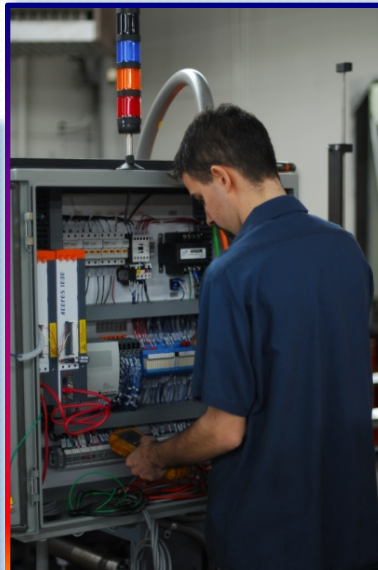
Servicing the envelope industry over 20 years

- Curtius Technologies Inc. is an Atlanta - based company established in 1988.
- We offer a full range of services, including rebuilding and upgrading of used machinery
- Design and build of new machines and also attachments for existing machines
- On-site equipment installation (dismantling, rigging and shipping)

Over 100,000 sq. feet total space
of office, workshop and storage



We have the ability to rebuild several machines simultaneously with all the necessary tools, equipment and full machine shop



We have Rebuilding processes for the following machines and more

- W+D 102

- F.L.Smithe MO

- Silex

- Halm

- F.L.Smithe RA

- F.L.Smithe PHP

- W+D 527

Our Reconditioning Process for the FL Smithe RA includes:

F.L. Smithe RA

Upgrade

Single AC Inverter Motor

Safety light tower
and horn

Extrusion gumming

Touch screen
all functions are
editable from touch screen

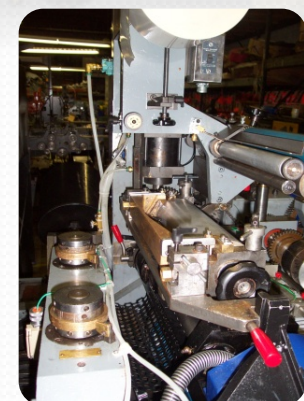
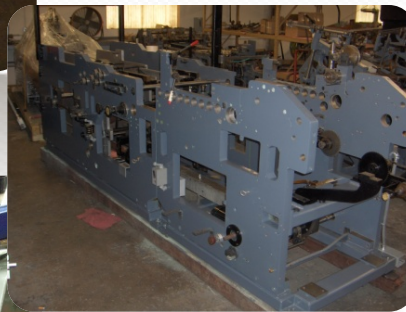
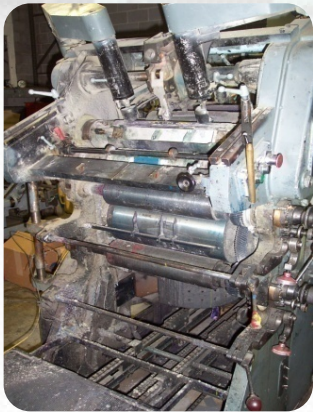
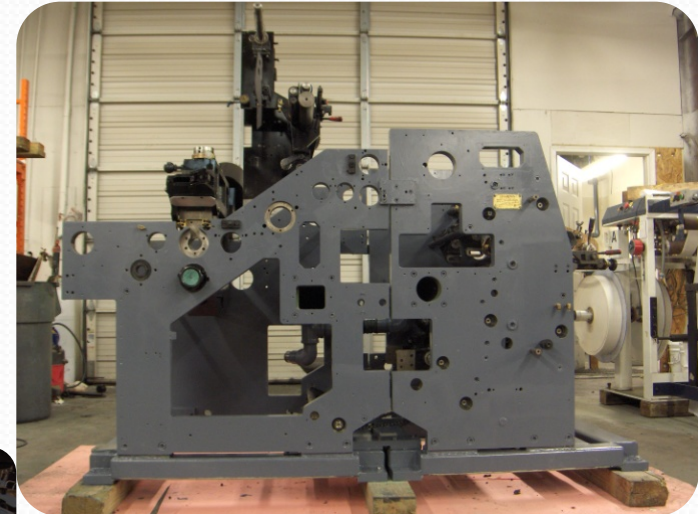
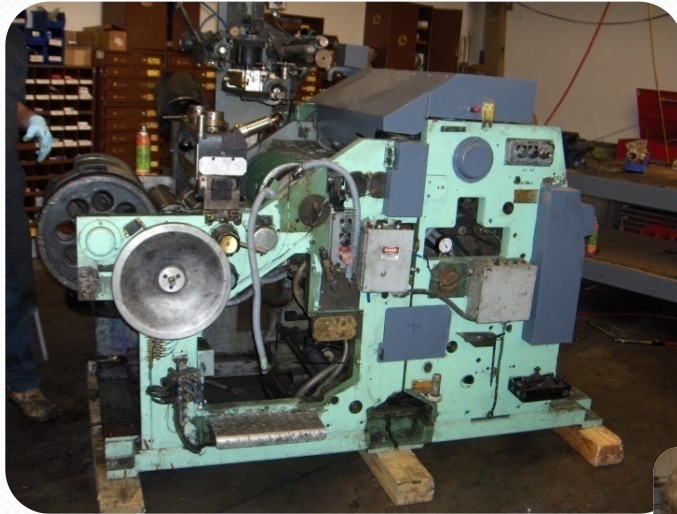
New electrical box attached
to the machine.
Machine completely
rewired with telecom technology

Remote speed control

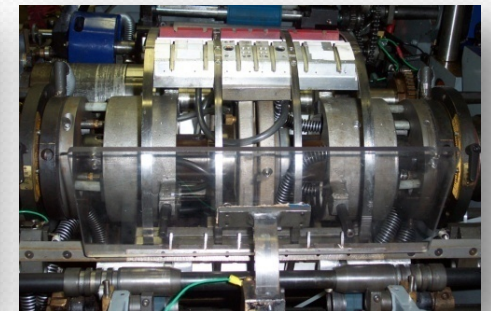
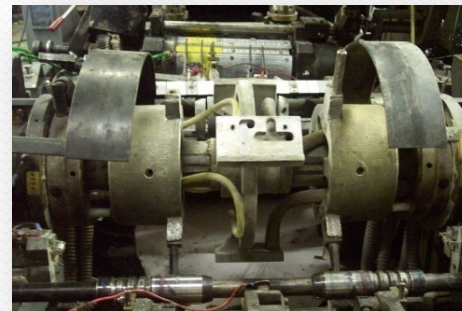
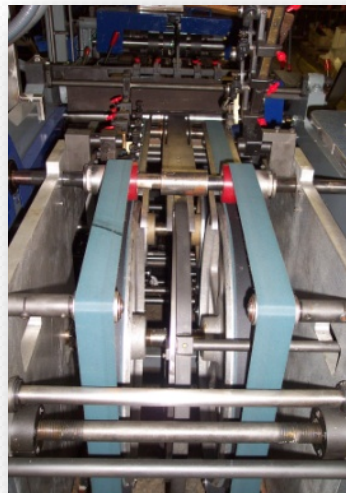
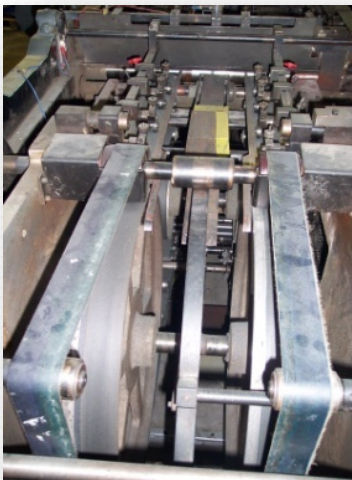
Doctor Blade Printing Unit



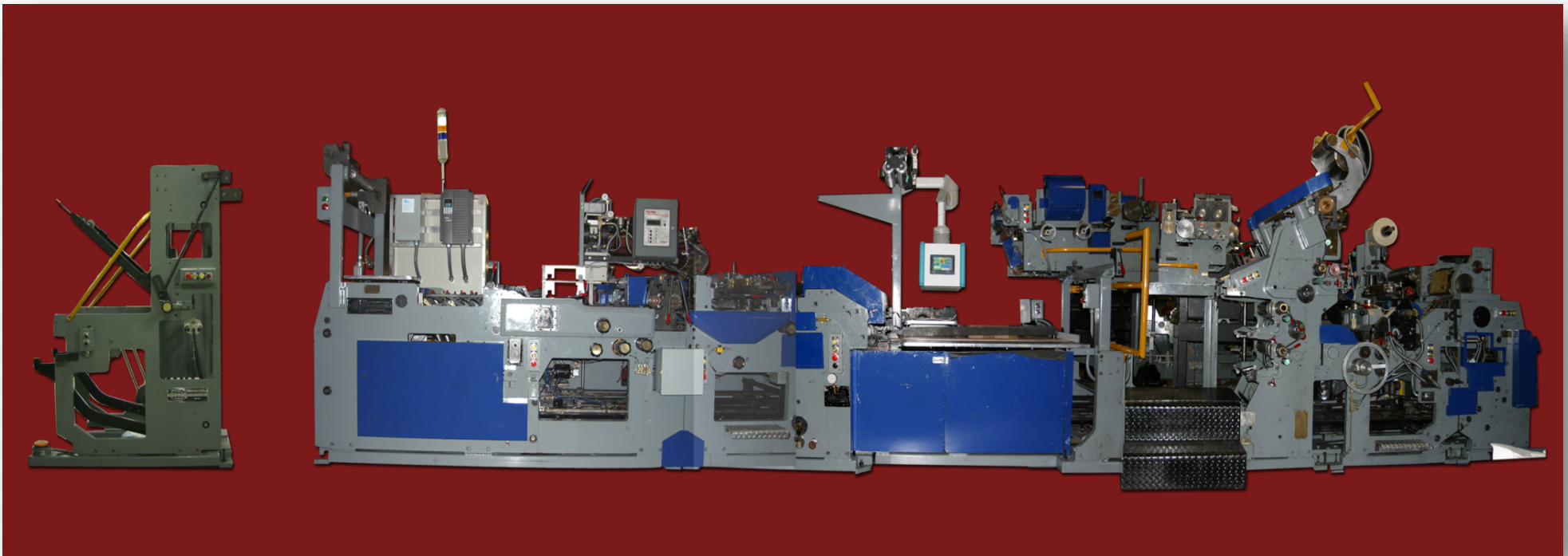
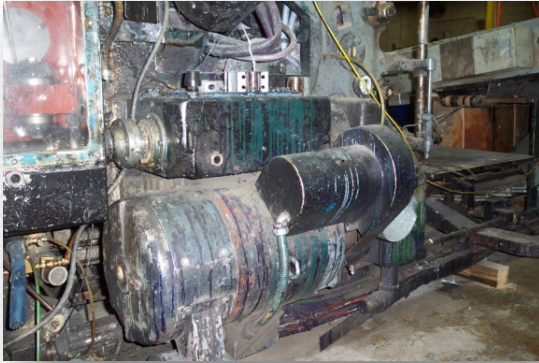
Before and after pictures for the FL Smithe RA Reconditioning process:



Before and after pictures for the FL Smithe RA Reconditioning process:



Electrical Reconditioning includes new drive, AC motor and touch screen for FL Smithe RA:



Description of the F.L. Smithe RA Reconditioning process by Curtius Technologies

A. General audit to assess the machine's current condition by our technicians in determining the specific needs of the machine.

- **B. Up to 60% of ALL assemblies will be dismantled to their component levels and replaced, repainted, reworked, and resurfaced so that assemblies are consistent with original factory specs. The process includes the following work as deemed necessary by the audit:**
 - Stripping, pressure washing and painting of the frame
 - Checking and replacing if necessary
 - ❖ Gears, bearings, seals, and running bushings
 - ❖ Bore replacement, including frame bore
 - ❖ Lubrication component replacement
 - ❖ Rubber and urethane part replacement
 - All worn hardware to be replaced with new hardware, all commonly used
 - ❖ Patch Knives
 - ❖ Score Blades
 - ❖ Feed Discs
 - ❖ Pulleys
 - ❖ Scales
 - ❖ Guards
 - ❖ Drier chains
 - ❖ All constantly moving chains, including the aligner chains
 - ❖ Belts
 - ❖ Valves (including vacuum valve)
 - ❖ Valve rulons and brass Dowell pins
 - ❖ Cylinders (vacuum cylinders, delivery cylinders, fold cylinders, transfer cylinders)
 - ❖ Drier rails
 - ❖ Grease tubing
 - Lube banks cleaning
 - Lube pump (if necessary will be replaced with Curtius Failsafe if Lube line blows)
 - One size change is included according to customers needs
 - Install pneumatic auto kick-outs on all printers (engage/disengage) – Type cylinders is optional
 - Install Curtius advanced electrical and electronic package with single AC motor and inverter drive as well as touch screen

Upgrades and additional options:

F.L. Smithe RA

- ☐ Panel Cutter Lateral Adjustment
- ☐ Valco extrusion gumming system for the side seam
- ☐ Trough Gumming
- ☐ Doctor blade system with Override motors on printers for doctor blades
- ☐ Magnetic Window System
- ☐ Guard Interlock (included in the reconditioning price)
- ☐ Teflon coating (feed discs)
- ☐ HSP servo conversion and upgrade to increase the cut-off length of the window film (max.5 ½")
 - Vacuum Air Table with HSP (High Speed Separator) (optional, strongly recommended)
- ☐ Friction drive for upper re-feeder belts (optional)

All Reconditioned machines will be tested and supplied with the following:

- ❖ Parts book, operator's manual
- ❖ Some spare parts
- ❖ Basic supplies to start production, tools box (setup wrenches, T-handles, feeder gage, etc.
- ❖ Vacuum connections if sold with vacuum pump
- ❖ Machine will be loaded and secured to your truck
- ❖ The machine comes with 3 months warranty **on mechanical and 6 month on electrical and electronic parts** (freight and labor excluded) if the machine has been installed by our technician. Installation and training are not included.
- ❖ Our goal is to provide a quality machine to our valued customer. We believe that in order to do that it is necessary to have the machine installed by our technicians.

FL Smithe PHP –Die cutter -rebuild with windows operating system

PHP
Upgraded



Light Tower for safety

Light Curtains for safety

New electrical box

Touch screen & joystick programming

Machine completely rewired

3 new servo motors with high accuracy



The main image shows a large industrial die cutter machine. It has a long, flat worktable with a metal frame. A control panel with a touch screen and joystick is mounted on a stand to the left. Above the worktable, there is a large orange die head. Safety features include a light tower and light curtains. A new electrical box is visible on the side. The machine is equipped with three new servo motors for high accuracy. Three small inset images are on the right: the top one shows the machine in operation, the middle one shows a close-up of the machine's components, and the bottom one shows a worker in a dark shirt operating the machine.

FEATURES: - Precision cutting

- High Output

- Easy Programming

- Safe work environment:
Light tower-Light curtains

- Easy one man operation

- State of the art technology

SPECIFICATIONS: Ram stroke speed: variable
Cutting accuracy: 1/64" (0,4mm)

Max sheet size: 37" x 55" (940 x 1400mm)

Machine height: 6' 3" (1900mm)

