

Lawson Screen Printing and Drying Machine Co.
 Catalog No. 4

LAWSON
Screen Process
Printers and Dryers
for the
Textile Trade

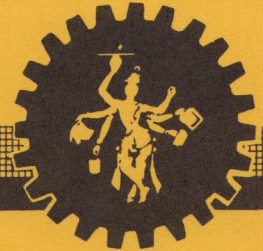
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Lawson



Printing & Drying Machine Co.

4434 OLIVE ST.
ST. LOUIS, MO. 63108 • U.S.A.
(314)535-1980



"pioneers in screen printing machinery"

Welcome to Lawson, manufacturer of highly engineered screen process printing presses and dryers.

This Textile Equipment Catalog contains information on Lawson screen process machines in their respective classification; each with its own uniqueness and versatility.

Our Lawson Infrared Conveyor Dryer features an innovative heat chamber design that dries inks rapidly without scorching. It combines hot air with infrared. It will speed your production and increase your profits.

All Lawson Tee shirt machines and Flat Bed Presses are engineered to the high standards that our industry demands. Practical design solutions, expert craftsmanship, and manufacturing techniques have made it possible for Lawson to produce durable, precise and dependable production machines . . . at low cost to you. Furthermore because of our "Tailored custom machine" policy—you buy only as much machine as your particular production problem requires. So in addition to a complete press—ready to run on delivery—there are many options also available.

Our goal is to provide dependable high quality machinery easy to operate—rugged to last for years, with minimum maintenance at a price every screen printer can afford. Feel free to call us collect: 314-535-1980—and discuss any machine in this catalog or production requirements. We will be happy to serve you.

Gene Landesman
President

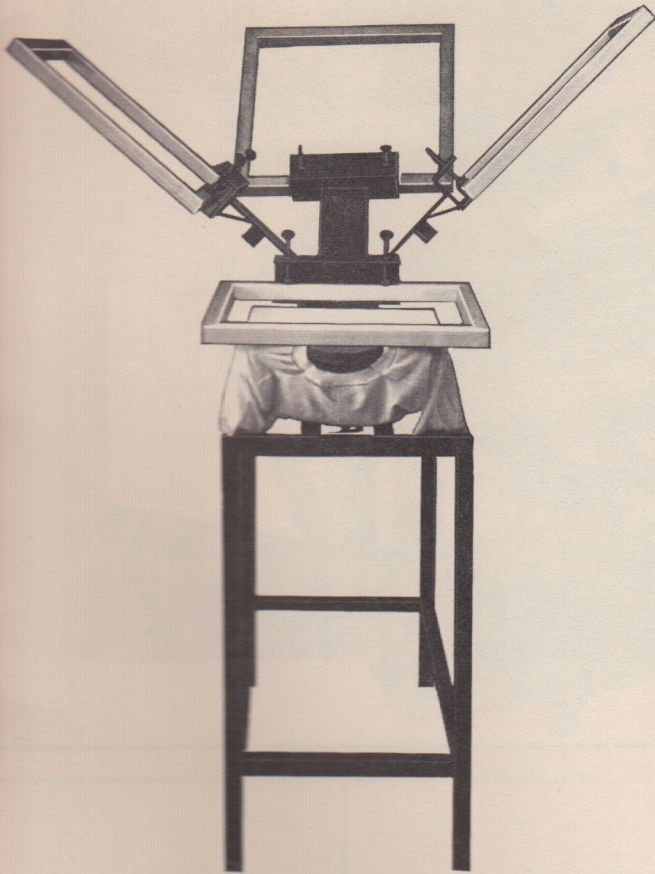
TABLE OF CONTENTS

Infrared Bench Model Conveyor Dryer	3
Four Color Tee Shirt Printer (manual)	3
One Color Tee Shirt Printer (automatic)	4
Multi- Color Tee Shirt Printer (automatic)	5
Infrared Conveyor Drying System	6-7
Imp Flat Bed Printer	8
Geniette Flat Bed Printer	9
Consecutive Numbering Machine	10
Squeegee Sharpner	10
Infrared Test Drying Unit	10
"30 Day In Your Shop Trial Plan"	11

Member



Four Color Manual T-Shirt Printer



Lawson's Four Color Manual T-Shirt Printer Offers Simplicity of Design with Precise Registration!

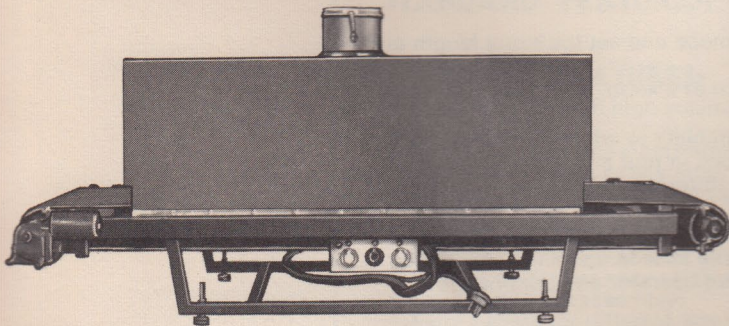
STANDARD FEATURES:

- All steel construction—precision alignment—durable, low maintenance design.
- Adjustable screen frame registration holders, with locking "memory" stops.
- Quick set-up for production. Many adjustments.
- A unique screen registration system for precise four color printing accuracy.
- Floor stand included no extra charge.

OPTIONAL FEATURES:

- Vacuum system to print heat transfers.
- Optional printing stations—up to four simultaneous operations. Great for long or short production runs.
- Custom size printing pallets to your specifications.
- Garment hold down device.

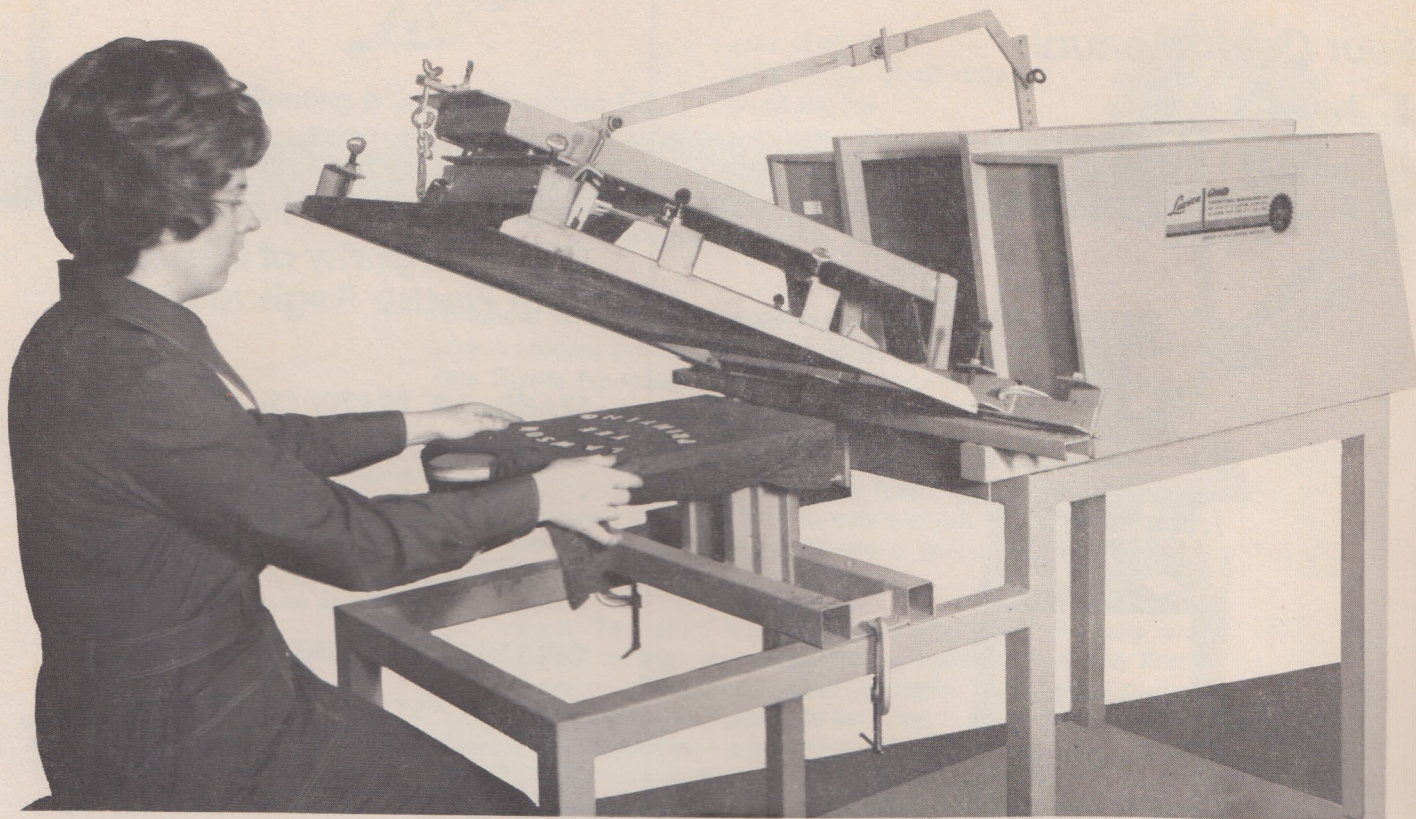
All Electric Infrared Bench Conveyor Dryer



The All Electric Infrared Bench Conveyor Dryer has Big Dryer Features at an Economy Price!

STANDARD FEATURES:

- Unique heat chamber consisting of color blind (see page 6-7) infrared rays and hot air, to cure inks.
- Standard size 24" wide x 7½' long, 230, 208 volt. Larger Bench Model sizes available.
- Proportionate heat controllers; controls heat banks independently of each other.
- Heights of heat banks is adjustable.
- Belt consists of teflon coated fiberglass mesh. Stays clean. Does not retain heat.
- Belt supporters consist of anti-friction roller bearing shafts. No drag insures long life for belt.
- Variable belt speed control.
- Pulleys are fully machined to insure tractability of belt—less maintenance, longer life.



Lawson One Color Automatic Tee Shirt Printer

VERSATILITY TO PRINT HEAT TRANSFERS*

The Lawson Automatic One Color Tee Shirt Printer is a "one man team" that you can afford. The simplicity of expert mechanization with flat bed and bottle printing versatility means higher profits for your shop.

With the Lawson, there is no need for complicated and timely set-up procedures. Clean up is quick and easy. Registration and printing is precise, sharp, and consistent. Lawson Automatic printer is delivered ready to use—read instructions and plug it in for immediate production.

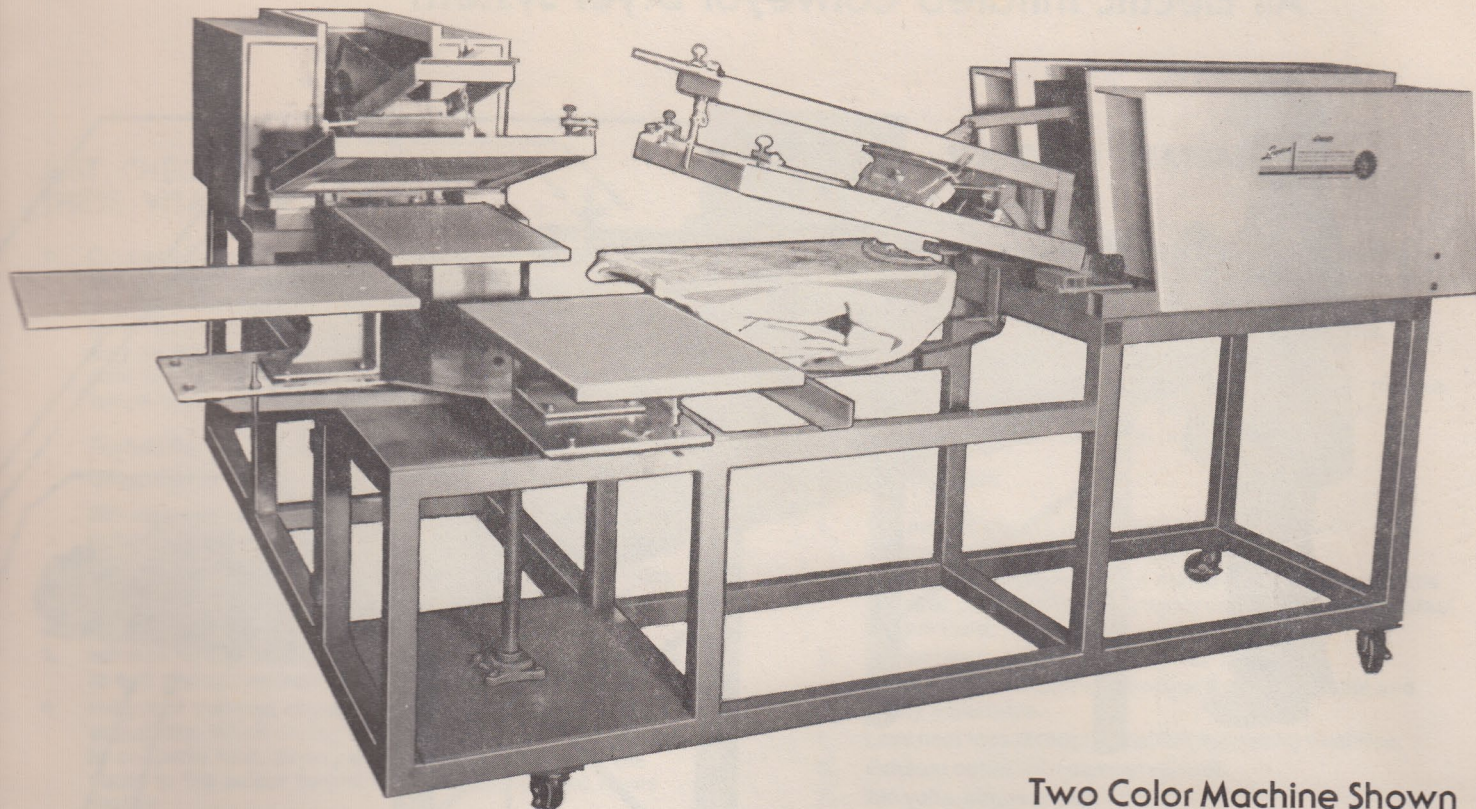
STANDARD FEATURES:

- Squeegee stroke adjustment. Turn the knobs and set the exact length and starting point of the print.
- Squeegee pressure is regulated by a turn of a knob. Squeegee angle also adjustable.
- Pallet base has lateral and height adjustability to adapt to various fabrics.
- Convert Tee Shirt Printer to print flat stock in four minutes.
- Screen frame holder easily adjusted for different size frames.
- Legs include heavy casters for mobility.
- Not shown in photo: motor 1/3 h.p., 117 volts, 15 ft. cord included; heavy duty gear box for years of service; variable speeds up to 1140 prints per hour; built in safety devices to protect the operator and printing stock.

OPTIONAL FEATURES:

See next page

*(With optional vacuum table next page)



Two Color Machine Shown

Lawson's Multi-Color Automatic Tee Shirt Printer

Also available with three, four, or six printing heads!
Machines can separate from carousel so you can use as
a one color printer including options.

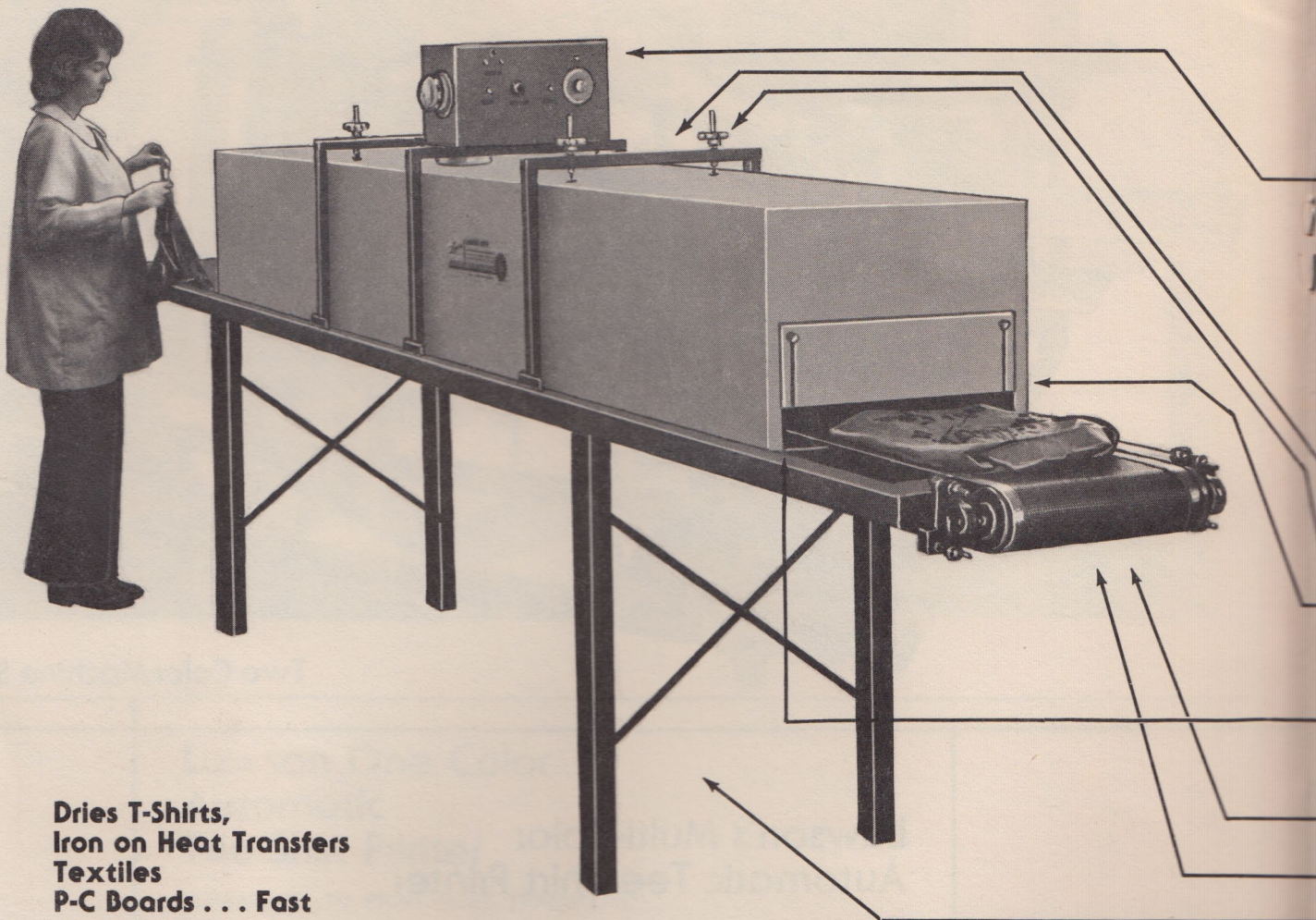
The Lawson Multi-Color Automatic Printers provides multiple direct color printing at a "down to earth price". The Automatic Tee Shirt Printer is comprised of two or three additional printing stations (you specify) with manually revolved carousel. Only one operator necessary. Finest quality printing in just one stroke with ample penetration, especially beneficial for flocking and printing light colors on dark garments. Optional equipment can include drying stations between print station and automatic revolving of carousel.

STANDARD FEATURES: same as for One Color Automatic T-Shirt Printer

OPTIONAL FEATURES:

- Vacuum table with high volume pump in three sizes: 13"x20", 24"x30", or 25"x38".
- Single Cycle Device—activates one complete print cycle, stops in open position. Includes safety stop.
- Delay Dwell Timer offers adjustable "pause" period between single cycle. Paces operator.
- Screen Extension Holders—allows use of a smaller or nonstandard frame in proper printing position.
- Special device for heavy sink deposit.
- Extra squeegee assembly.
- Extra pallets for different size shirts including steel base.
- Bottle Printer Attachment fits all sizes. From 1/4" to gallon sizes, 6-1/2" x 15" print area max.
- Separate machines for one color usage.

The Lawson All Electric Infrared Conveyor Dryer System



**Dries T-Shirts,
Iron on Heat Transfers
Textiles
P-C Boards . . . Fast**

LET'S GET TECHNICAL! Lawson's "secret of success" in manufacturing infrared conveyor drying machines lies with combined heat chamber and infrared heat source.

The heat chamber design is not only an infrared conveyor dryer, but it also features an oven drying system. The oven's chamber is heated by the infrared rays, which in turn serves to cure and bond the ink permanently to the printed object by the hot air baking process. In short, drying is accomplished by infrared and oven heat.

Lawson's uniform heat application of "color blind" infrared rays is the second part of our success story. Color blind heat dries ink uniformly without regard to color. A white ink will dry at the same rate as a black ink. The years of research were worth the results. Drying with consistency is the name of the game.

JUST CHECK THESE VITAL FEATURES . . .

- Control box and functions: conveyor belt has variable speed; adjustable from 1/2 ft. to 20 ft. per minute. Lawson has the most accurate type of solid state electronic temperature control in the industry. Desired temperature may be dialed without further attention. A fail-safe, constant temperature monitor assures steadfast temperature.

Temperature ranges are adjustable up to 375°F.

Drive train is protected from overload, by fuse.

230 volts, or 208 volts, single phase. Three phase optional.

- Complete insulation beneath sheet metal cover provides power economy, and prevention of vapor condensation to insure a "clean" dry.
- Infrared Heater banks have complete height adjustments to suit drying requirements of fabric, ink and solvents.
- Height of the heat chamber entrance and exit is easily adjustable. When drying a thin tee shirt, lower the doors to conserve heat. Drying a thick sweat shirt, raise the doors to the proper height. Conservation of heat saves money.
- Belt supporters consist of anti-friction roller bearing shafts, insuring longevity of belt: belt rolls with the belt supports, not "dragged" across as in most other dryers on market.
- Long life, teflon coated fiberglass belting. Always stays clean and does not retain heat.
- Fully machined conveyor pulleys are specially "crowned" to specifications insuring precise tractability of belt.
- Reinforced bracing of legs promotes rigidity and strength, throughout the total conveyor, insuring accurate belt tractability.

STANDARD FEATURES:

CONVEYOR BELTING:

- Precise belt-tracking with long-lasting belt consisting of fiberglass (teflon coated, open mesh). Does *not retain heat*; heat dissipates readily.
- Anti-friction, roller-bearing shafts for belt supports, insuring longevity of belt.
- Speed of conveyor variable from 1/2 ft. to 20 ft. per minute. Speed control conveniently mounted at control box.
- Standard height of belt from floor is 36".

HEAT CHAMBER:

- The most accurate type of solid state electronic temperature control in the industry.
- Desired temperature may be dialed and forgotten, for the fail-safe, constant-temperature monitor assures steadfast temperature.
- Temperature ranges adjustable up to 375°F.
- Height of heat chamber entrance & exit is variable and easily adjustable.
- Less heat loss through excellent insulating qualities.
- Exhaust outlet with damper control.
- 230 volts, single phase.
- All machines are crated completely assembled ready to use. Just wire connection to your shops power source.

OPTIONAL FEATURES:

- Special system for high production water or oil base ink drying.
- Recirculating Jetted Hot Air System.
- Infrared/Jet combo with independent control system; utilizes Infrared and/or Jet hot air. Dries vinyls, posters, and textiles! Vacuumized belt prevents flutter of light stock.
- 208 and 230 volts, 3 phase electric wiring.
- Powered exhaust system.
- Any size width. Any size length. Any size heat chamber.
- Speed of conveyor variable to any greater range required.

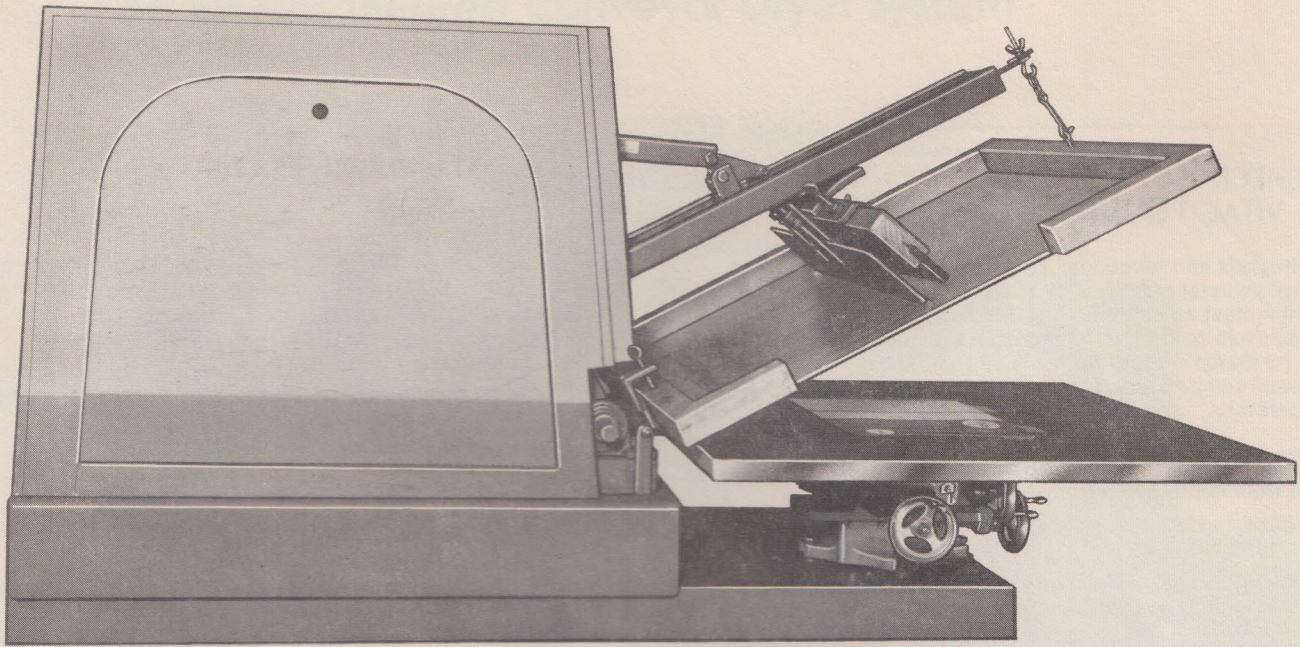
POPULAR SIZES OF INFRARED DRYING SYSTEMS (Other sizes available on request)

WIDTH	LENGTH	IN FEED	HEAT CHAMBER		AMPERAGE	
			CHAMBER	OUT END	230V, 1-PH	KW
14"	15'	2'	10'	3'	26	6
24"	15'	2'	10'	3'	52	12
36"	15'	2'	10'	3'	78	18
36"	20'	4'	10'	6'	78	18
48"	15'	2'	10'	3'	104	24
48"	20'	5'	10'	5'	104	24
60"	40'	10'	25'	5'		

Above sizes fit thru 32" door (must specify).

Not sure which width or length dryer will match production requirements?
Call our experts collect now 314-535-1980 to help you.

Remember our 30 Day "In Your Shop Trial Plan"
See page 10 for details!



The Lawson Imp Flat Bed Press

The Lawson Imp Flat Bed is a ruggedly built, completely versatile compact bench model. Simplicity of operation with precise registration makes the Imp successful in shops throughout the world.

Excellent for heat transfers or for t-shirts with an optional conversion kit. Capable of printing on all screenable materials up to 4" thick. Operator needs little or no training.

STANDARD FEATURES:

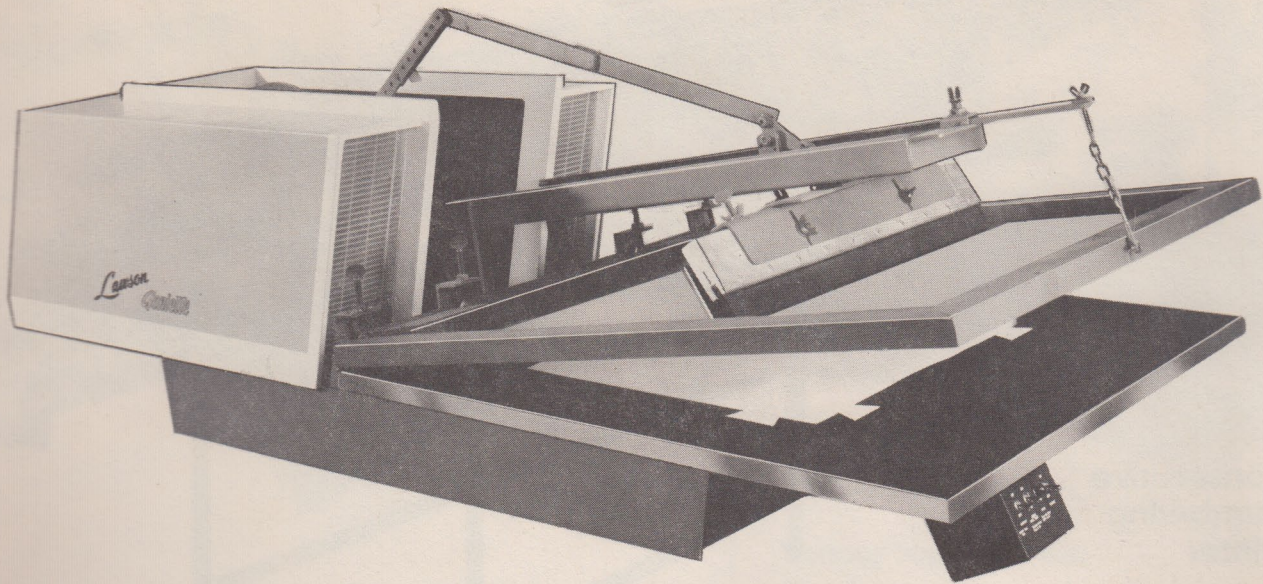
- Quick and simple set up.
- Variable Speed Drive . . . 600 to 1450 prints per hour—or one print at a time.
- Squeegee Adjusts . . . for angle, pressure, length of stroke, and position.
- Squeegee Assembly . . . including squeegee and precoating (doctor) blade. Easily removed.
- Wide Stable Base . . . rubber cushioned legs—no bolts or clamps necessary.
- Heavy duty gear box . . . for years of service.
- Built-in safety devices . . . electric foot switch, etc.
- Motor 1/3 H.P., 117 v., 60 c., 15 ft. cord included. No special wiring necessary!

OPTIONAL FEATURES:

- Vacuum Table with high volume pump.
- Micrometer Adjustable Table, 3 horizontal controls for quick registration.
- "Quick-Print" Bed Height Adjustment (0 to 4") for fast and efficient set-up for printing items of varying thicknesses.
- Single Cycle Device—activates one complete print cycle, stops in open position. Includes safety stop.
- Delay Dwell Timer offers adjustable "pause" period between single cycle. Paces operator.
- Print Counter—resettable. Up to 99,999
- Screen Extension Holder—allows use of a smaller or odd sized frame in proper printing position.
- Floor Cabinet Stand on casters, with storage shelves.
- Bottle Printer Attachment prints from 1/4" to gallon size.
- Frames—for your print size: x
- Extra Squeegee Assemblies (one included).
- Tee Shirt Adaption Kit for one color printing.

PRINT SIZE

	inches	centimeters
Maximum	8½"x11"	21.59x27.94
Print Size	11"x14"	27.94x35.56
Per Model	13"x20"	33.02x50.8
	15"x15"	38.1x38.1



The Lawson Geniette Bench Model Flat Bed Press

The Lawson Geniette Flat Bed is a highly versatile, portable bench model press which prints on all screenable materials up to 3/4" thick.

The Geniette is capable of "gang running" heat transfers, or printing large posters, bumper stickers, etc. Proven to be one of the sturdiest, simplest, and most reliable bench models on the market for over fifteen years!

STANDARD FEATURES:

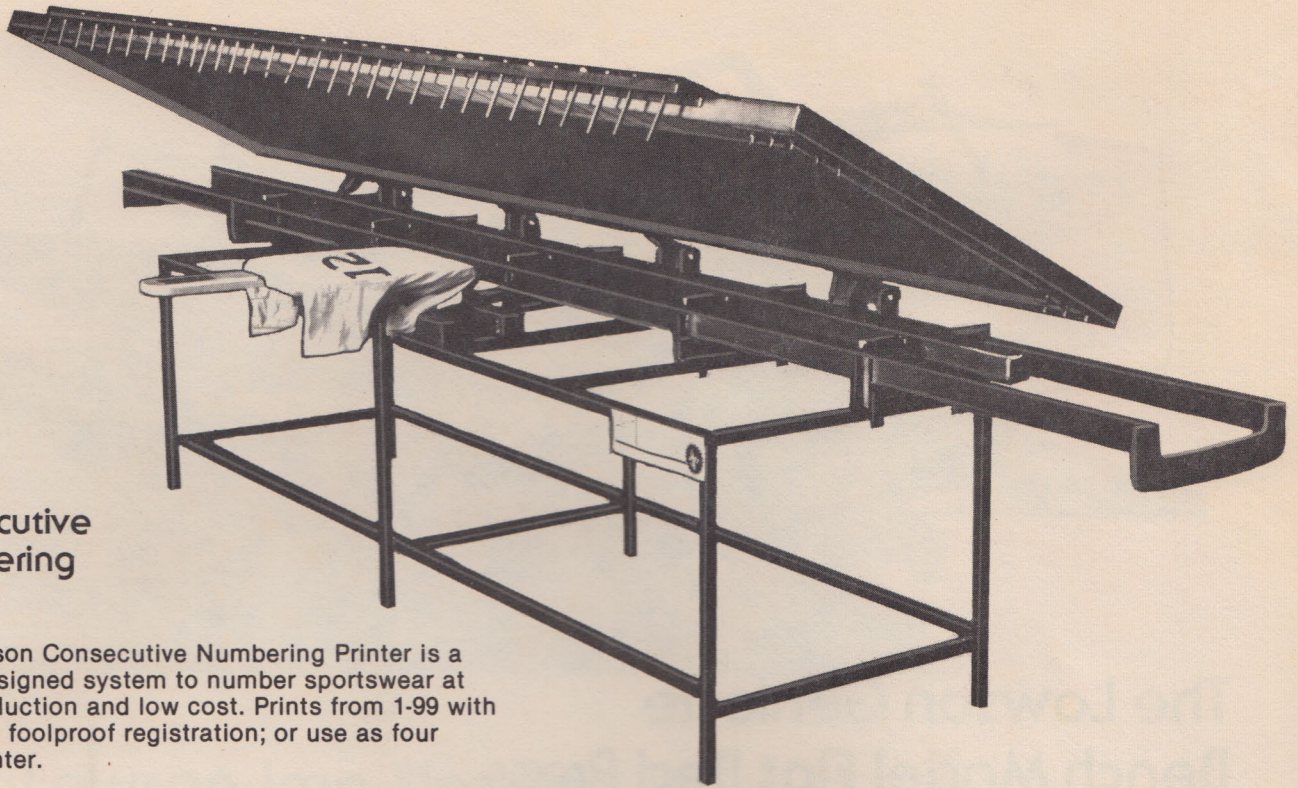
- Variable Speed Drive . . . 400 to 1140 prints per hour— or one print at a time.
- Squeegee Adjusts . . . for angle, pressure, length of stroke, and position.
- Squeegee Assembly . . . including squeegee and precoating (doctor) blade. Easily removed.
- Wide Stable Base . . . rubber cushioned legs—no bolts or clamps necessary.
- Heavy duty gear box . . . for years of service.
- Built-in safety devices . . . electric foot switch, etc.
- Motor 1/3 H.P., 117 v., 60 c., 15 ft. cord included. No special wiring necessary.

OPTIONAL FEATURES:

- Vacuum Table with high volume pump.
- Registering Adjustable Table, 3 controls.
- "Quick-Print" Bed Height Adjustment (0 to 4") for fast and efficient set-up for printing items of varying thicknesses.
- Single Cycle Device—activates one complete print cycle, stops in open position. Includes safety stop.
- Delay Dwell Timer offers adjustable "pause" period between single cycle. Paces operator.
- Print Counter—resettable. Up to 99,999.
- Screen Extension Holder—allows use of a smaller or odd sized frame in proper printing position.
- Floor Cabinet Stand on casters with storage shelves.
- Bottle Printer Attachment prints from 1/4" to gallon sizes, 6 1/2" x 15" print area max.

PRINT SIZE

	inches	centimeters
Maximum	16"x24"	40.64x60.96
Print Size	18"x27"	45.72x68.58
Per Model	24"x30"	60.96x76.2
	25"x38"	63.5x96.52

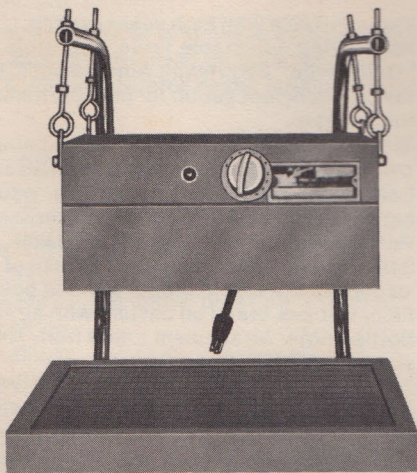


Consecutive Numbering Printer

The Lawson Consecutive Numbering Printer is a newly designed system to number sportswear at high production and low cost. Prints from 1-99 with precision foolproof registration; or use as four color printer.

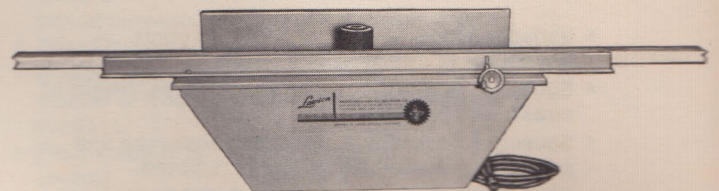
Optionals include vacuum table/s to print heat transfers, and much more. Request other features to suit your production needs and prices for options.

Bench Model Infrared Drying Unit



Great for the small production jobs! For testing inks. You can't buy a more economical infrared dryer. Will cure plastisol inks in seconds. Proportionate heat controller, height of panel adjustable. Requires only 115 volts. Larger sizes available.

Economy Squeegee Sharpener



Rejuvenate your dull squeegee blades in one minute. Lawson prides itself in being able to provide a simple, foolproof sharpener that all shops can afford. Uses standard belts. Shipped ready to plug in, 117 volts.

NOTES

INTERNATIONAL COATING INC.



Lawson
Printing & Drying Machine Co.

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