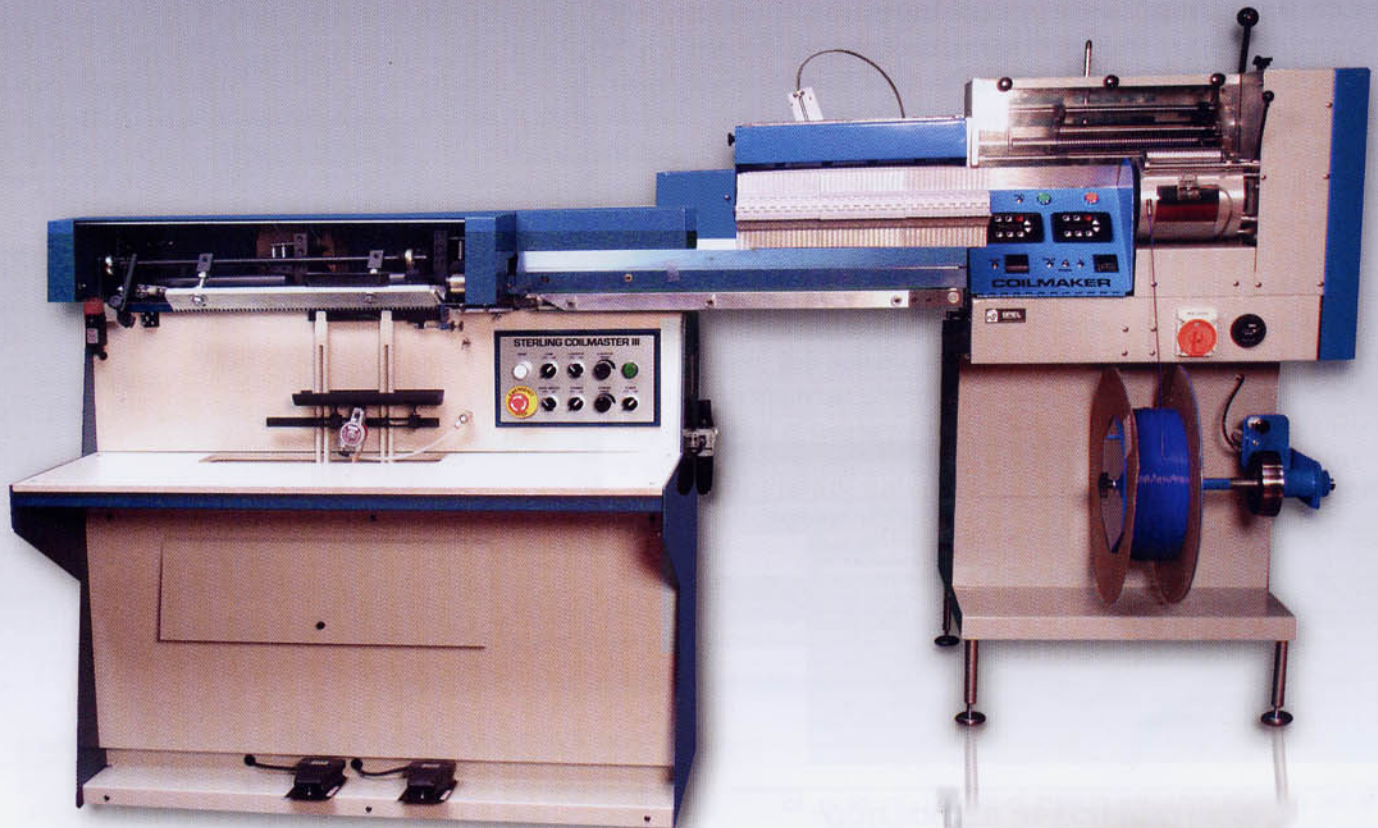




# STERLING COILMASTER III

## AUTOMATIC PLASTIC COIL BINDING SYSTEM



The **STERLING® COILMASTER III** is a complete, in-line, plastic coil binding system. Plastic filament is fed into the **COILMAKER** from a spool. It forms plastic coil on a mandrel within the **COILMAKER**. The formed coils are automatically fed into the **COILMASTER®**, which spins the coil into the book from the first hole onwards. The coil is then cut and crimped automatically. One operator can create coil and bind books at speeds up to 700 books per hour at the same time.



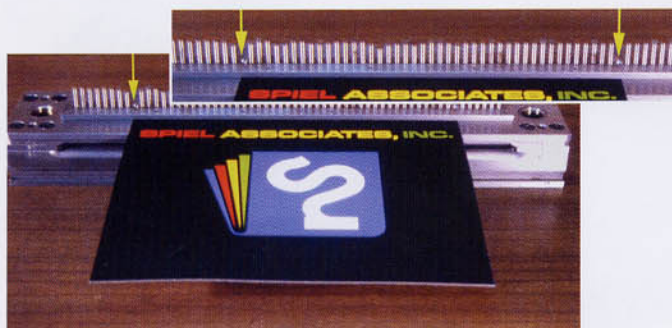


## THE STERLING COILMASTER III

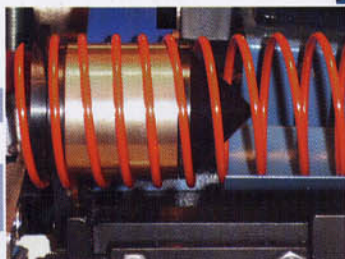
The **STERLING® COILMASTER III** is a heavy duty automatic plastic coil inserter designed for high production. This machine binds books from 8 mm in diameter to 32 mm in diameter, and up to 40 mm in diameter with the optional thick book attachment. Bind books as small as 4" X 4" up to calendars 17" long. The machine can also be modified to handle larger books such as art pads.

The **COILMASTER® III** inserter includes a patented spreading device that allows for binding books with head and foot margins of up to 3/16 of an inch. It is possible to choose the size of your margin. No matter what size the book is, the **COILMASTER** will allow you to center the hole pattern on the sheet. This is especially important on odd sized books.

The **COILMASTER®** binds books punched with standard dies. Use round hole or oval holes. Pick the pitch you want to work with: 4:1, 5:1, 6 mm center to center, 3:1, 2.5:1 or any pitch imaginable.



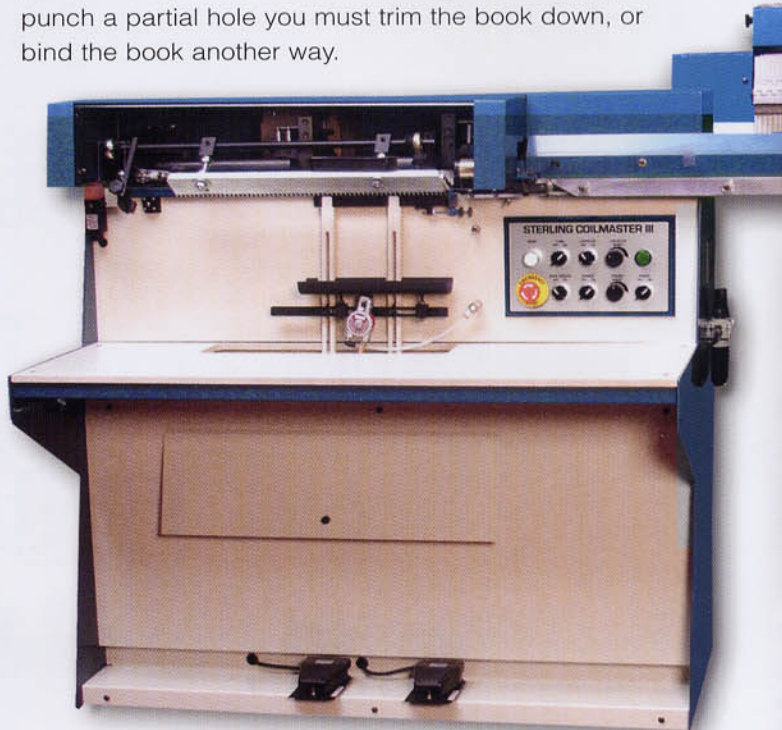
Here the outside pins are pulled, prior to punching, to ensure that an attractive margin (the distance between the first hole and the head of the book or the last hole and the foot of the book) is produced. This is the time honored standard when binding for double loop wire. This can now be achieved in plastic spiral with the patented spreading device on the **STERLING COILMASTER III**.



**The COILMASTER BULLET**



All other automatic coil binders do not allow you to use a margin that is larger than the bridge (the distance between two holes). Therefore you must make sure that the sheet fits exactly between the pins of the die pattern you are using. If the sheet is too large and forces you to punch a partial hole you must trim the book down, or bind the book another way.



**The STERLING COILMASTER III**

Since many books are not exactly 11 inches, or A4, this becomes a common occurrence. Since other machines force you to use a larger hole size than the **STERLING® COILMASTER III**, the result will be a thinner margin. This is the reason other manufacture's recommend an oval hole. The ease of spinning in the coil is the same with round or oval holes. Oval dies tend to be much more expensive.

### COILMASTER SPECIFICATIONS

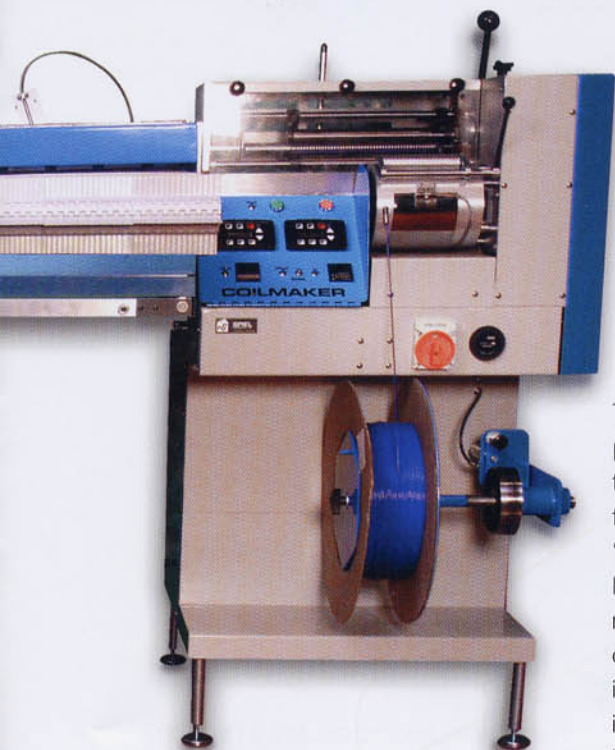
<b>Cycling Speed</b>	700 C.P.H.
<b>Max Book Size</b>	12" x 17"
<b>Min Book Size</b>	4" x 4"
<b>Power Supply</b>	220 Volts, 5 Amps/1.1 kw Single Phase
<b>Air</b>	45 P.S.I./3.5 BAR
<b>Weight</b>	400 LBS/182 kg
<b>Machine Dimensions</b>	24" x 54"/61 x 137 cm

## THE STERLING COILMASTER AUTOMATIC



# THE STERLING COILMAKER

## The **STERLING COILMAKER**



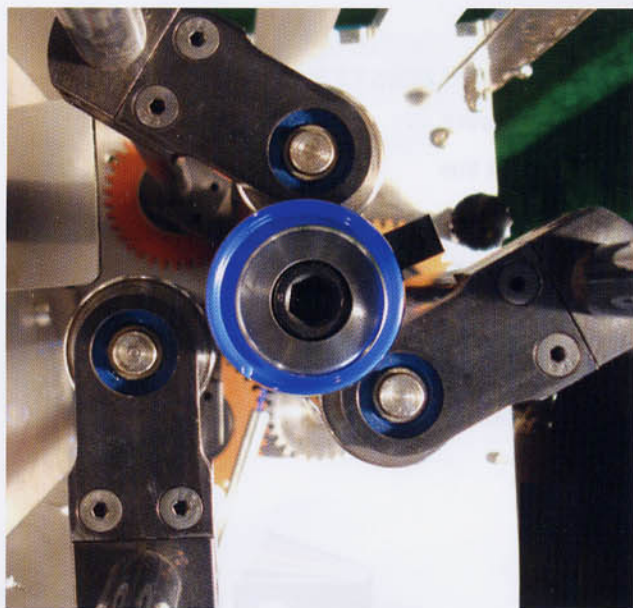
The Thick Book Attachment allows for the binding of books up to 40 mm in diameter. This modification includes: A vibrating jogger, 3:1 or 2.5:1 combs (this clamps the book and guides the coil), and extra large knives. The **COILMAKER** can also be modified to have larger gaps put in the tracks of the conveyor and a larger blower.

Making plastic coil just prior to insertion puts an end to working with twisted and deformed coil or coil with an improper pitch. Freshly made coil binds books more easily than coil taken out of a box. Cut the filament to the exact size you need, when you need it and cut down on waste, excess, and on storage. The cost of manufacturing coil is significantly less expensive than buying it preformed.

The **STERLING® COILMAKER** forms high quality plastic coil from plastic filament. This is achieved through the use of three axles pressing the filament against the forming mandrel as the coil is formed. Other coil formers only use two axles to press against the mandrel. This can cause "wobble" and produce coil that is not uniformly round, especially on larger sizes. This technology is why most of the plastic coil in America is made on this machine. The patented conveyor system ensures sufficient cooling time to make the most uniform coil available. The coil cools while it is still straight instead of laying twisted in a box. The heating element is infinitely variable to compensate for the ambient temperature at any given location. Tooling for sizes up to 50 mm is available for the **COILMAKER**.



**STERLING COILMAKER MANDREL**



**Inside of The STERLING COILMAKER**

## **COILMAKER SPECIFICATIONS**

<b>Produces a 4:1 12" length</b>	6 mm – 2 seconds
	12 mm – 4 seconds
	18 mm – 6 seconds
<b>Max Coil Length w/conveyor</b>	17"/43 cm
<b>Max Coil Length wo/conveyor</b>	48"/122 cm
<b>Min Coil Length</b>	2"/5 mm
<b>Max Coil Diameter</b>	50 mm
<b>Min Coil Diameter</b>	6 mm
<b>Power Supply</b>	220 Volts, Single Phase, 20 Amps/4.4 kw
<b>Air</b>	90 P.S.I.
<b>Weight</b>	575 LBS/287 kg
<b>Machine Dimensions</b>	57" x 26"/145 x 66 cm (49"/124 cm w/conveyor)





# STERLING COILMASTER JR.

## PLASTIC COIL BINDING MACHINE



The **STERLING® COILMASTER JR.** is the latest offering in the line of **Coilmaster** automatic plastic coil machines. It inserts plastic coil from the first hole onwards, then cuts and crimps. This tabletop unit is

affordable and can bind books from 8 mm – 25 mm.

Speeds of up to 600 books per hour can be attained.

The **STERLING® COILMASTER JR.** offers quick and easy set up and minimal desktop space. Why bind books by hand when you can bind them quickly and easily with The **STERLING® COILMASTER JR.?**

### COILMASTER SPECIFICATIONS

<b>Cycling Speed</b>	600 C.P.H.
<b>Max Book Size</b>	12" x 12"/305 mm x 305 mm
<b>Min Book Size</b>	4" x 4"/100 mm x 100 mm
<b>Power Supply</b>	110 Volt/220 Volt
<b>Air</b>	80 PSI/3 CFM
<b>Weight</b>	100 LBS/45 kg
<b>Machine Dimensions</b>	30" x 23" x 23"/76" x 58" x 58"

**ASK US ABOUT THE COILMASTER III  
AUTOMATIC PLASTIC COIL FORMER  
& INSERTER!**

**SPIEL**  
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FAX: 718-729-5067  
45-01 Northern Blvd. Long Island City, NY 11101  
[www.spielassociates.com](http://www.spielassociates.com)



# IF YOU'RE NOT IN THE LOOP... YOU'RE OUT OF THE LOOP



"What we like is the ease of operation and set up. The machine is what I call an open system, a machine where it is easy to see how it operates and easy to locate all the functions.

We're getting **650 books per hour** on **The Coilmaster** and we're loving it. We have 250,000 books to do in the next two months and instead of dreading this job like we used to, we now say: Bring it on."

Aric Snyder, George Fry - Inter-State Printing, Sedalia, Missouri



"In-line coil forming and inserting is the most important feature for us on the Coilmaster. Buying and waiting for **plastic coil** proved to be a hardship. We can now optimize our production time, turning around multiple jobs more quickly.

We tried another automatic coil machine and it failed to perform. We bought a Coilmaster System and after it validated our decision, **we bought two more systems**. This machine gave us the production speeds we were looking for."

Francis Boucher & Yvan Poulin -  
Transcontinental Interglobe Beauce - Quebec



"Primarily we bind thick books here, between 20 and 30 mm. The machine does a great job on thick books. We run the Sterling® Coilmaster almost two shifts a day and on **25mm** books we average **250 books an hour**. That sure beats getting 50 books an hour as we used to do by hand. Getting the job out the door is tough enough without having to have your coil shipped in by next day air from across the country. Besides, making your own coil saves you over 50% in plastic. I love The Sterling Coilmaster®."

Dennis Schmiesing - Globus Printing & Packaging Co., Inc. - OHIO



We contacted SPIEL ASSOCIATES when we were quoting on a 300,000 run of really thick books. First it came in calling for a 32mm coil and the customer kept adding pages. It jumped to a 34, then 36, then finally, a **38mm coil**. SPIEL was behind us all the way, modifying their Coilmaster® to go thicker and thicker.

We're now averaging **480 books per hour** on the machine. I don't think we would have taken the job if we didn't have the Coilmaster here. It does the job."

Tom Re - Mid Island Graphics, - Farmingdale, New York

Join the circle of professionals who have chosen to invest in technology instead of labor.