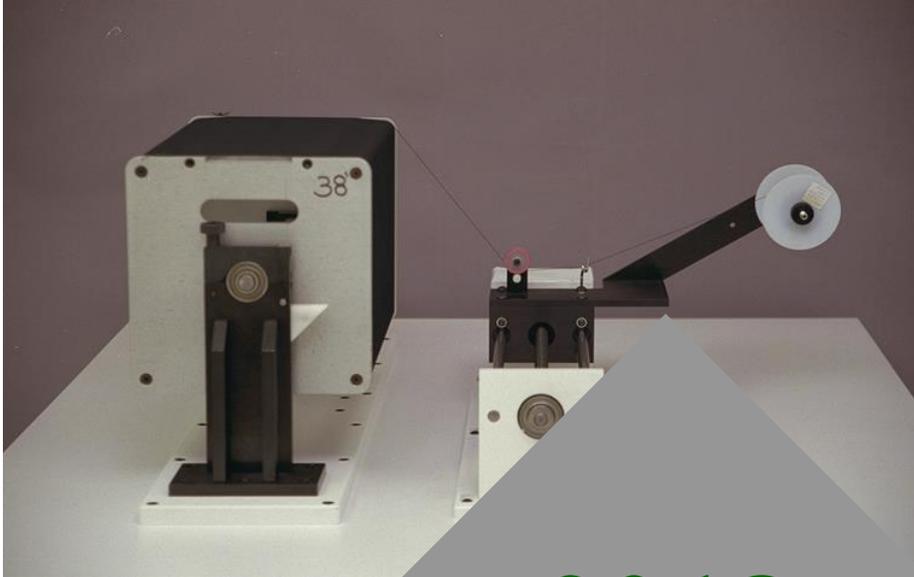


R.K. Manufacturing Corporation

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2018



EQUIPMENT
CATALOG

**R.K. MANUFACTURING
CORPORATION**

**SPECIALIZING IN SUTURE MANUFACTURING
EQUIPMENT & CONSULTING**

EQUIPMENT CATALOG

2018

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INTRODUCTION

For over 40-years, R.K. Manufacturing has been supplying suture manufactures worldwide with suture manufacturing equipment and consulting. This equipment is designed and fabricated by RKM to suit the customer's specific requirements.

This catalog contains some of the equipment we manufacture, and have been supplying to our customers over the years. We also design and fabricate special equipment if required.

If you are currently producing sutures, RKM may be able to help improve your current production. If you are planning to start the manufacturing of sutures, RKM can help you throughout the entire process, from the start up to the finished product.

Please contact us for any further information, so we may help to accommodate your specific business requirements.

Sincerely,

**Richard Ponton,
COO**

DRILLED - END NEEDLE ATTACHING MACHINES

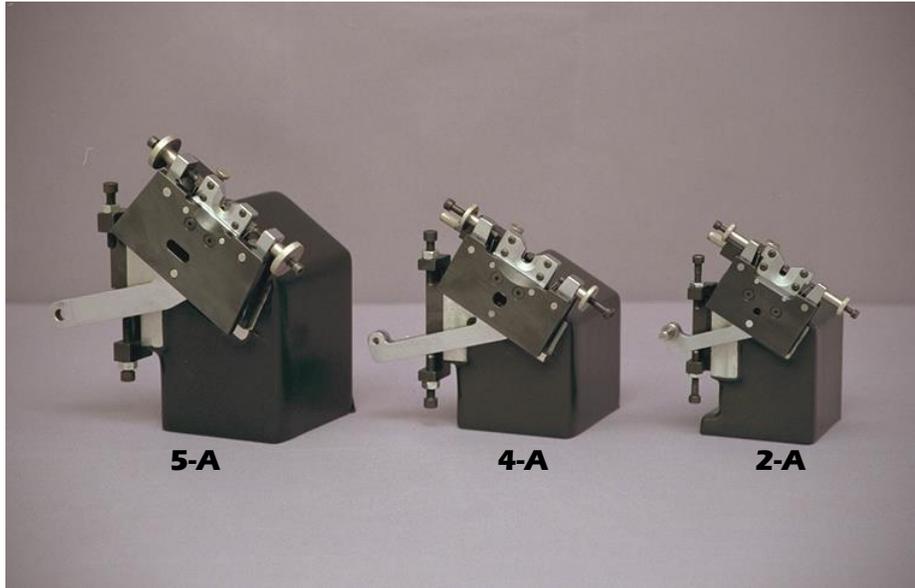
A PROVEN WAY TO ATTACH DRILLED - END NEEDLES

Attaching machines are available in three sizes:

Model 2-A (.009" - .018" wire diameter needles)

Model 4-A (.019" - .039" wire diameter needles)

Model 5-A (.040" - .062" wire diameter needles)

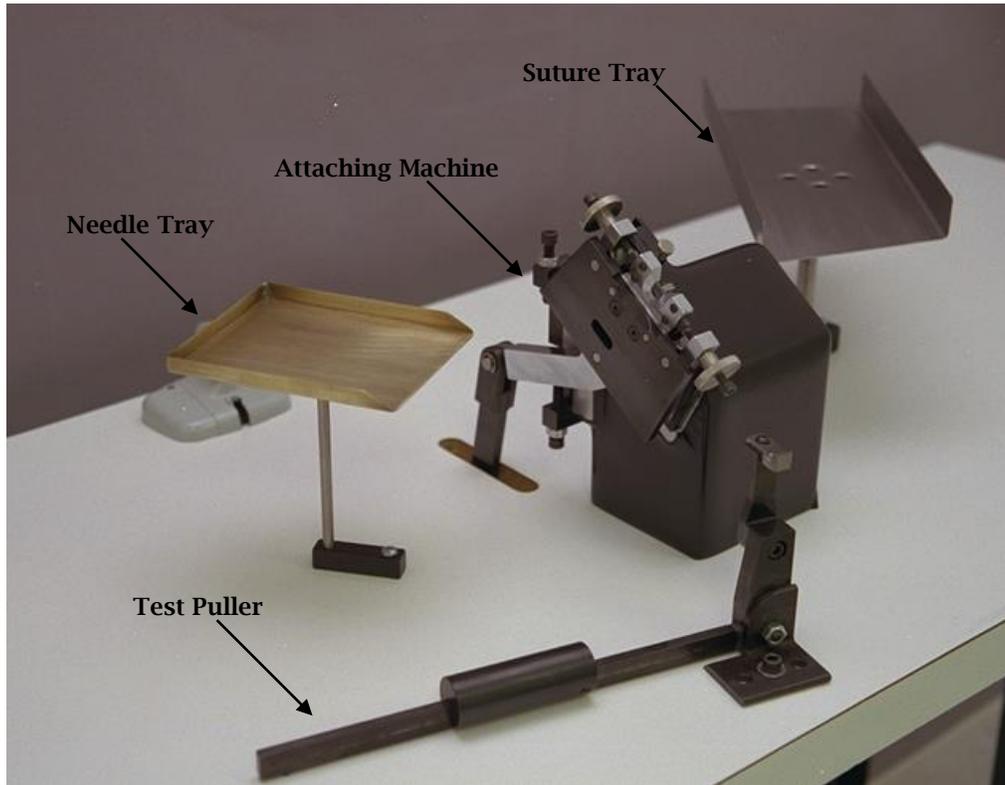


The attaching machines can be purchased separately or as a complete machine as shown below. The complete machine is supplied with the attaching machine mounted on a laminate table (choice of color) complete with legs, foot pedal assembly and connecting rods "Ready to Run".



Table Size : 21" x 48" Workspace: 50" x 48" Yield: 200 - 400 attachments/hour

The needle is placed between the attaching dies in the attaching machine, the suture material is inserted into the needle hole, and the foot pedal is then pressed crimping the needle to the suture material. An average yield, depending on needle size and operator, is 200 - 400 attachments per hour.



Accessories:

Needle Tray - Holds needles at the attaching station for handling convenience.

Suture Tray - Holds suture material at the attaching station for handling convenience.

Test Puller - Used for checking the needle/suture holding strength at the attaching station.

Notes : 1.) The 4-A and 5-A attaching dies are interchangeable, 2-A attaching dies will only fit the model 2-A attaching machines.

2.) Many customers use the model 4-A for attaching all needle sizes, although if attaching a large quantity of smaller wire diameter needles, you may want to consider the model 2-A machine. For larger quantities of large wire diameter needles you may want to consider the model 5-A machine.

THE R.K. MONO WINDER

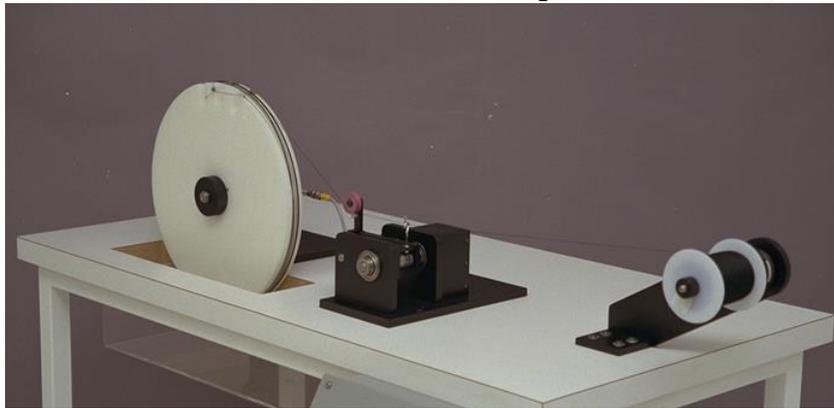
AN EASY AND RELIABLE WAY TO PREPARE MONOFILAMENT SUTURES

The R.K. Mono Winder is used to cut monofilament sutures from a spool to their required length.



Size : 48" Wide x 21" Deep Workspace : 60" x 48" Yield : 3,000 / hour

The monofilament suture material is wound from a spool onto a drum, usually 200 sutures / drum.



Once the sutures are wound, they are removed from the drum. The drum has three grooves; a piece of string is tied around the sutures in the two outer grooves. The middle groove is used to cut the sutures from the drum with scissors, the bundle of sutures are then removed from the drum with both ends tied for easy handling.

Notes : 1.) The circumference of the drum determines the suture length.
2.) One drum is needed for each required suture length.

THE R.K. RACK WINDER

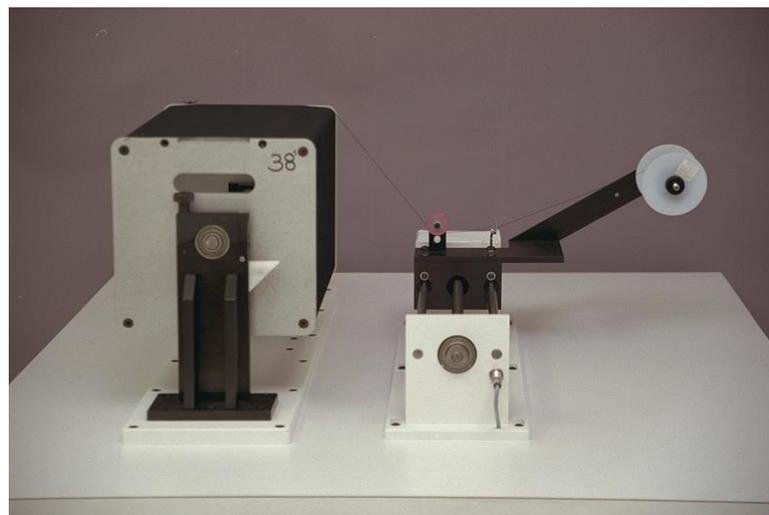
AN EASY AND RELIABLE WAY TO PREPARE BRAIDED SUTURE MATERIAL

The R.K. Rack Winder is used to prepare braided suture material for needle attaching. The suture ends are tipped (stiffened) so they can be easily inserted into the needles and sutures are cut to their required length.



Size: 48" Wide x 42" Deep Workspace: 80" x 80" Yield : 2,000 / Hour

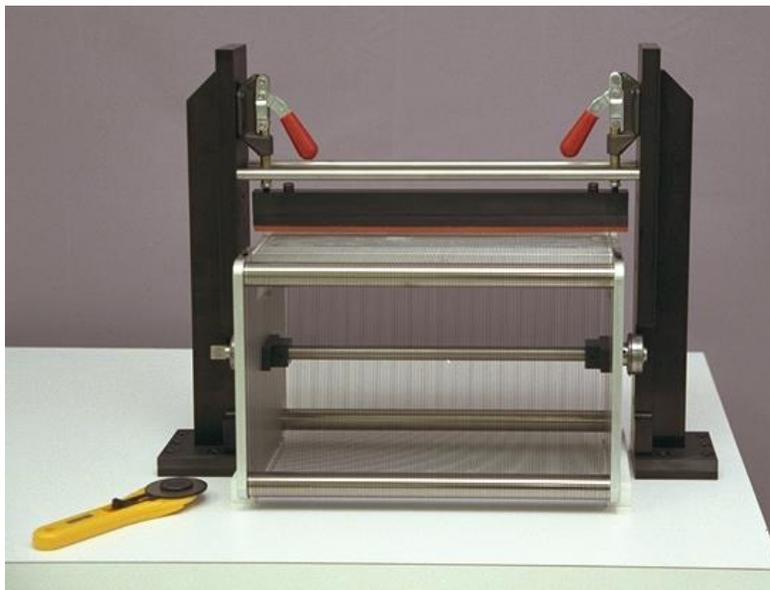
The braided suture material is wound from a spool onto a rack, approximately 200 sutures / rack. The circumference of the rack determines suture length. The speed of the rack is adjustable, at 65 RPM (recommended speed); a rack of 200 sutures would take approximately three minutes.



After the rack is wound, it is removed and placed on a table, where a medical grade cyanoacrylate adhesive is applied to a two-inch (or as required) portion of the sutures. The adhesive is applied by hand using a small piece of foam and cures in three minutes.



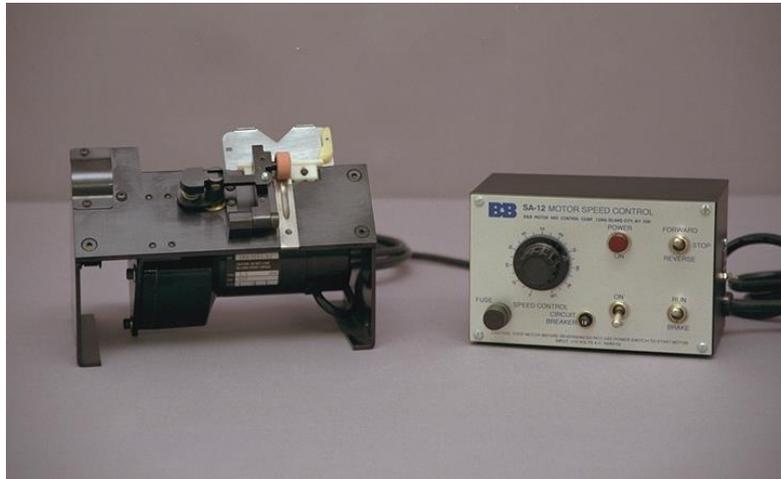
After the adhesive has cured, the suture rack is placed into the suture-cutting fixture as shown. The sutures are held in position and are cut from the rack using a hand held rotary knife. The sutures are cut through the center of the two-inch tipped portion leaving a one inch tipped length on the end each suture.



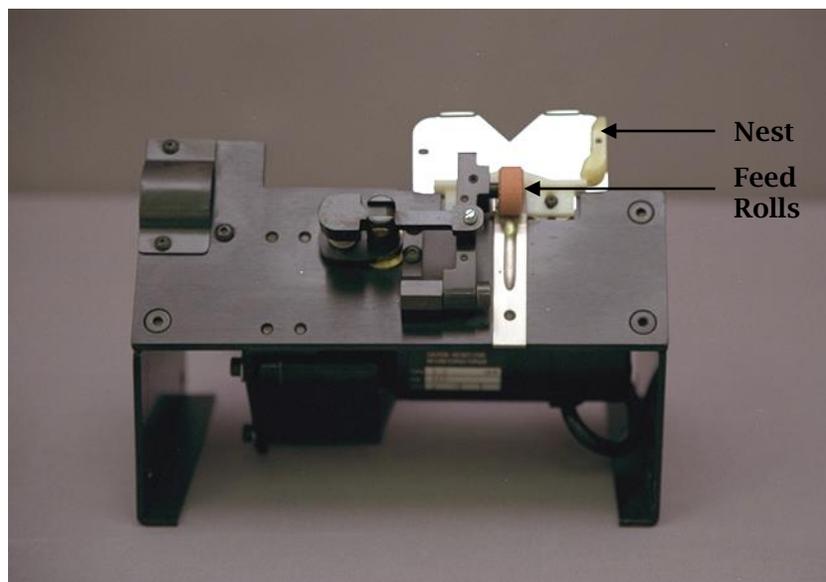
Notes: It is recommended to have three racks for each required suture length. This would allow one rack to be wound, while adhesive is applied to another and sutures are cut from the third rack. Using three racks one operator should yield approximately 2,000 tipped sutures per hour. The racks are not adjustable and are made per your specific suture length requirements.

THE AUTOMATIC FIGURE “8” SUTURE WINDER

The automatic Figure “8” winder is used to wind the suture into the suture card in a figure 8 shape for easy dispensing.



The suture card is placed into the nest, with left hand. The un-needed end of the suture is placed between the feed rolls using the thumb and forefinger of right hand and is fed automatically into the suture card forming a figure 8 shape. The needle will stop once it reaches your fingers. The needle is then slid out of the feed rolls and inserted into the suture card.



Note : The feed rolls feed the suture into the suture card using very little tension, so not to damage the suture material or cause injury to fingers by needle