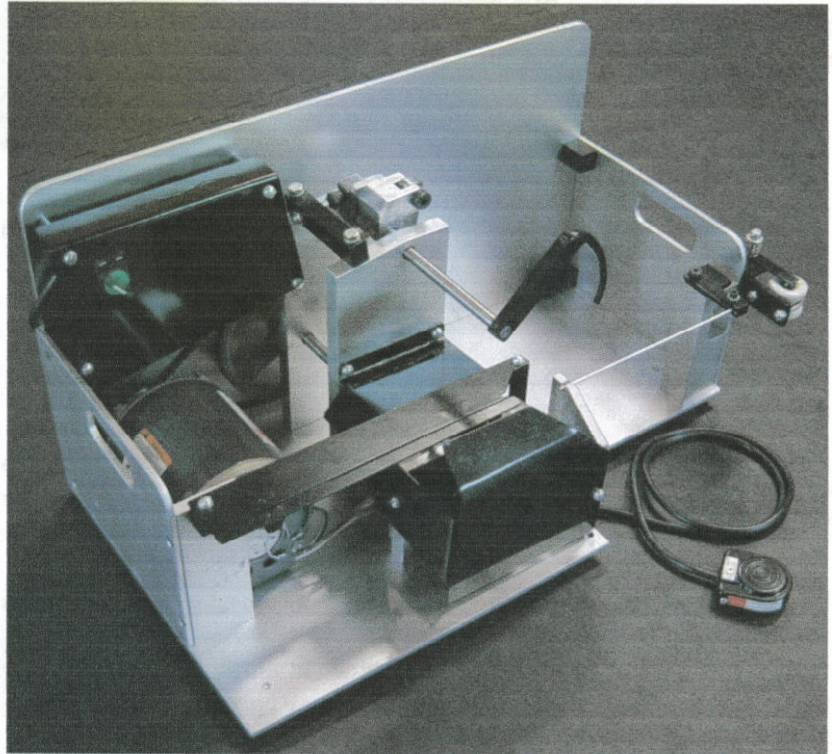


Fischell Machinery **TSS-1**

Tag Stringing Solution - Model 1






Post-printing and post-production operations often need to tie a loop through a hole in a product. Such products may include a cardstock tag, printed label, award ribbon, or air freshener. A tied loop through such an item gives the end customer a place to hang the product.

Some companies rely on expensive and labor-intensive hand tying. Workers will manually tie loops through the product in question. While not only slow, this process results in inconsistencies in the loops that are made. Other companies utilize automatic tag stringing machines. Such machines may cost in excess of \$100,000, require complicated setup and maintenance, and only tie a small variety of products. They are incapable of stringing larger tags or thicker products.

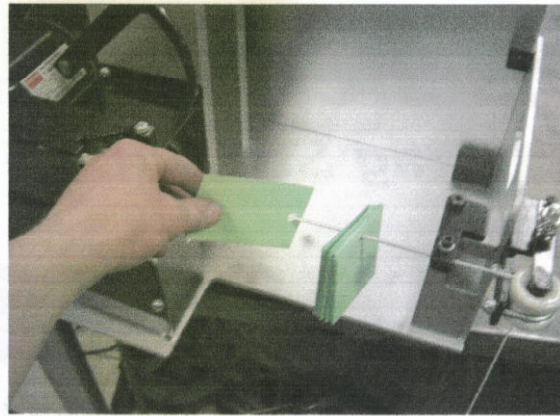


That's why we developed our TSS-1 Tag Stringing Solution. This compact semi-automatic machine can tie loops through a wide variety of products, much faster than hand tying and much more affordably than automatic machines.

What are the benefits of a Fischell Machinery Tag Stringing Solution?

-  You can offer a new specialty service for your customers, or increase productivity if you already perform this service.
-  Our TSS-1 costs a fraction of the price of an automatic tag stringer, and is much more flexible when it comes to tying products that have a large size or odd shape.
-  The machine provides a consistent knot appearance and loop size, creating a more attractive product.
-  Tying components are hardened for durability and long life, minimizing maintenance and down time.
-  All equipment is backed by our superior in-house technical support. When you contact us, you will be speaking with one of the knowledgeable founders of Fischell Machinery LLC, not some distant tech support staff.

The machine cycles once approximately every second. In an ideal situation where the operator could work as fast as the machine, you could tie 60 pieces per minute, or 3600 pieces per hour. This is a very optimistic figure. The operator has to stop periodically to load new tags and unload the tied tags. In real-world scenarios, operators average between 600 and 1200 pieces per hour. There is a small learning curve initially, as the operator gets accustomed to how the machine operates. After that, productivity is limited only by the operator's pace.



The machine can tie a wide variety of tag sizes. There is no minimum tag size, and the maximum is quite generous. You can easily fit a tag, label, or ribbon up to 3" (7.6 cm) wide by 6" (15.2 cm) long. It can also handle tags up to 10" (25.4 cm) wide and nearly unlimited length, though extreme sizes will probably slow the operator down. The only requirement of the items being tied is that they have an existing hole in them at least 1/8" (3.2 mm) in diameter. The machine does not only tie paper and cardstock products, but also thicker items as well as three-dimensional objects. In some cases, it has been used to tie loops in small three-dimensional animal-shaped air fresheners.

The TSS-1 can tie loops as small as 3" (7.6 cm) long to a nearly limitless length. Loop length is dictated by how far the operator pulls the tag through the machine. In extreme cases, we have done 36" (91.4 cm) long loops. Repeatability is accomplished by marking the table with a small piece of low-adhesion tape. Every time the operator pulls a piece through the machine, they pull it to the same spot marked by the tape, giving every piece a nearly identical loop length.



The machine ties both elastic and cotton twine, and can be easily switched from one to the other depending on your application.

The dimensions on our TSS-1 tag stringer are as follows:

Depth: 15.25" (38.7 cm)

Width: 29" (73.7 cm)

Height: 15" (38.1 cm)

Weight: About 70 pounds (about 32 kilograms)

For more information, call or visit our website.

www.millerbevco.com



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