

Cable Machine

Overview

Highlights

Specs



The StrawJet Cable Machine is StrawJet's flagship product. It manufactures a durable, versatile cable, which is the core component of StrawJet Building Members. Material is fed into the machine via a conveyor, which is then tightly bound into cable using compression technology.

With a sleek, modular design and heavy duty structural framework, the Cable Machine uses the latest technology to create a revolutionary building product.

It can handle anything from cereal grain stalks like rice and wheat straw, to natural growing cellulose material including grasses, reeds, and palm fronds. Best of all, the process is completely mechanical; no hazardous chemicals, adhesives, or substances are required to make cable with this machine.

Cable Machine

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Compression rollers compact straw

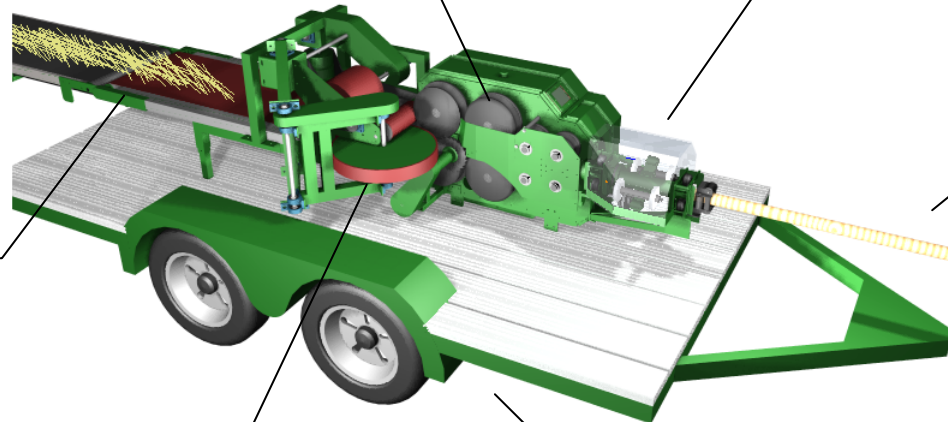
High speed rotating annulus binds compressed cable with string

Finished cable is ejected at speeds up to 40 meters (131 feet) per minute

Straw is fed via conveyer to ensure steady flow of inputs

Toothed rollers transfer inputs smoothly from conveyer to compression rollers

Compatibility with a trailer mount allows for portability



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- Input Power: 20 amp, 230 volt
- Weight: 680 kg (1500 lbs)
- Length: 3.55 meters (139.8 inches)
- Width: 1.40 meters (55.1 inches)
- Height: 0.98 meters (38.6 inches)
- Cable Production Rate: 40 meters/min (131 feet/min)

Multi Wrapper

Overview

Highlights

Specs



Electric Power Option

The first Multi Wrapper option is a power tool that converts cables into the various building members: Tri Columns, Quad Columns, and Hex Columns, providing you with all the necessary materials for any project. The machine binds cables together using string to create durable building components. Easily interchangeable fittings give you the flexibility to customize your columns as you need them.

Best of all, the process is completely mechanical; no hazardous chemicals, adhesives, or substances are required to make building members with this machine.

NEW Pedal Power Option

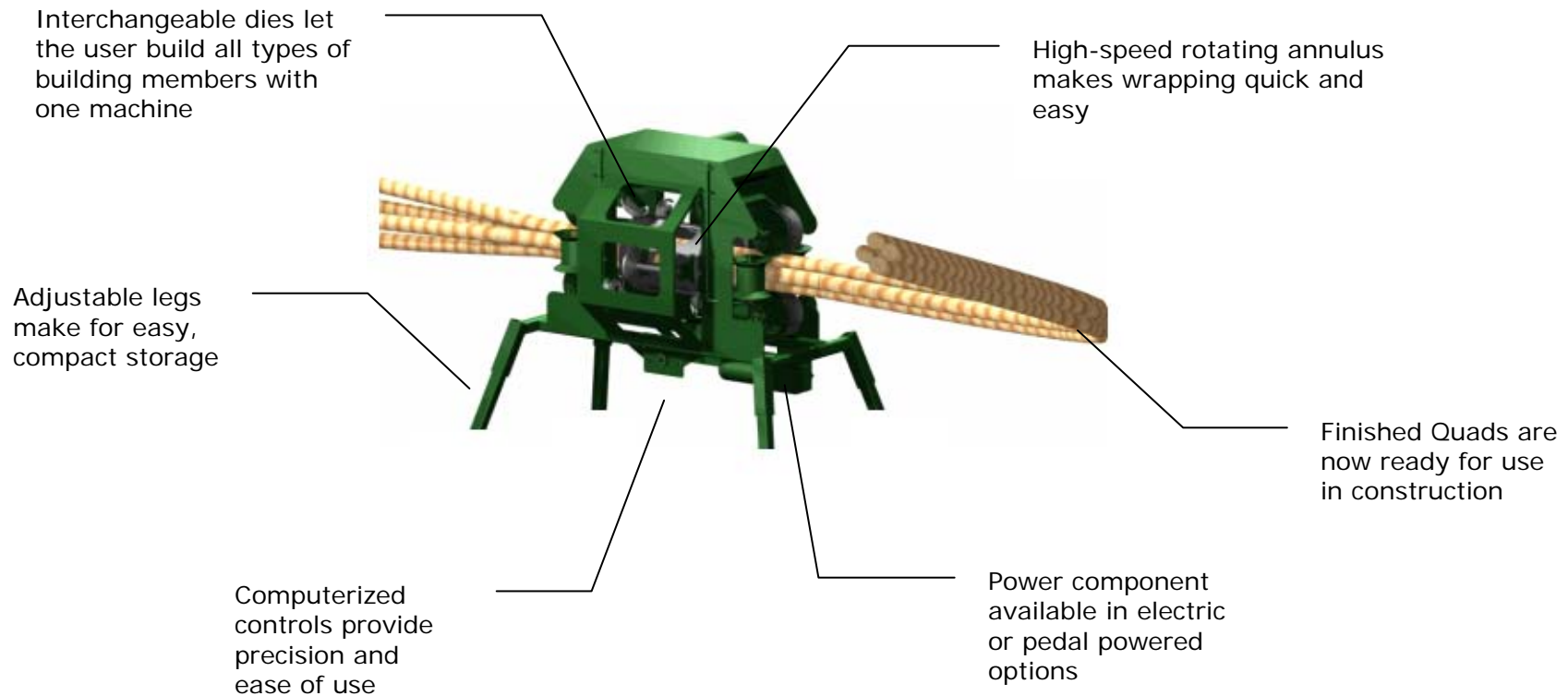
Instead of using an electric motor, this version of the Multi Wrapper allows you to convert cables into the various building members by hand (or by foot, rather). Other components of the machine are similar to the electric powered option. All of the fittings for this machine and the building members produced by it have similar characteristics. This machine is primarily designed for those who live without electricity, namely in developing countries where electric power is scarce. With this product, every rural village in the world could have access to highly versatile, rapidly renewable building materials.

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Multi Wrapper

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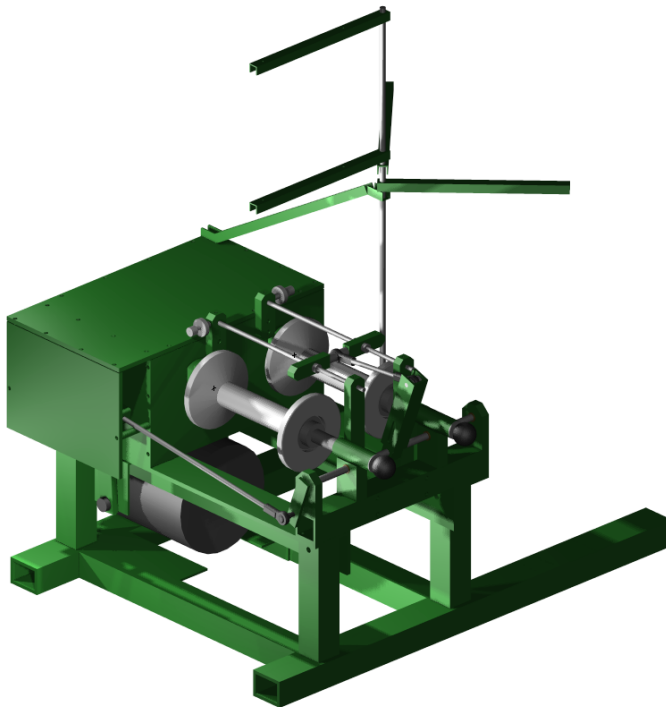
- Input Power: 10 amp, 230 volt
- Weight: 136 kg (300 lbs)
- Length: 1.47 meters (58.9 inches)
- Width: 0.94 meters (37 inches)
- Height: 1.52 meters (59.8 inches)
- Production Rate: 10 meters/min (32.8 feet/minute)

Bobbin Winder

Overview

Highlights

Specs



At StrawJet, we understand the importance of compatibility and versatility. This powered Bobbin Winder allows you to quickly and seamlessly wind string from any source onto our universal spools for use with the Cable Machine and the Multi Wrapper. Whether you buy string in bulk or in small quantities, this machine effectively allows you to use any type of manufactured string with the StrawJet product line.

For more information on bobbins and recommended types of string.



Bobbin Winder

Overview

Highlights

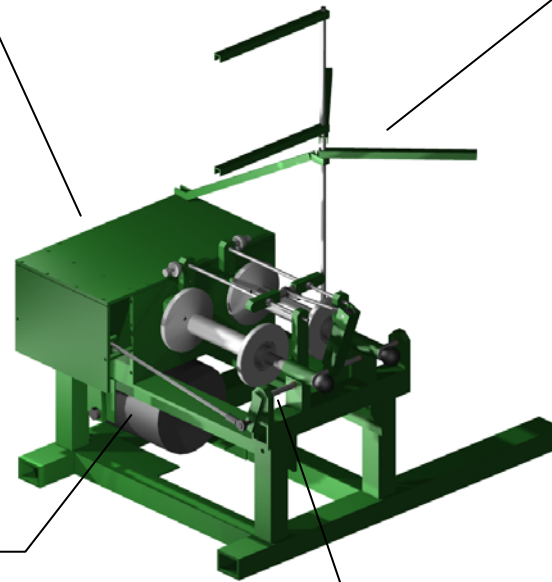
Specs

Fully automated system wraps bobbins at the push of a button

Pulley system maintains string integrity during rapid winding

Electric motor power allows the user to wrap two bobbins in 15 minutes

Dual cartridges allow the user to wrap two bobbins simultaneously



Bobbin Winder

Overview

Highlights

Specs

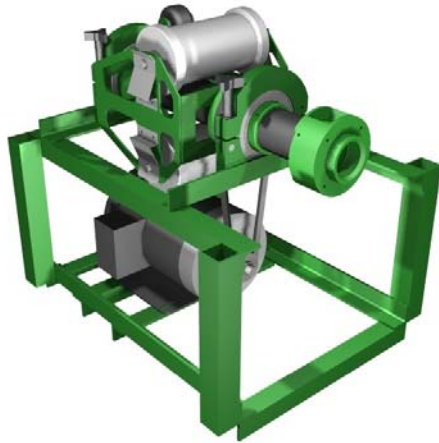
- Input Power: 5 amp, 230 volt
- Weight: 34 kg (75 lbs)
- Length: 0.61 meters (24 inches)
- Width: 0.64 meters (25.2)
- Height: 0.87 meters (34.25 inches)
- Universal bobbin winding rate: 15 mins per 2 bobbins; 8 bobbins per hour.

Single Cable Terminator

Overview

Highlights

Specs



The Single Cable Terminator allows the user to create “terminations,” or places along a length of cable with several layers of wrapping string. These terminations divide long lengths of cable into segments.

The cable can then be cut at these segment points, letting the user customize lengths of cable that maintain their durability, are more easily handled, and are appropriate lengths to fit for the job. It is highly recommended that this piece of hardware be used in conjunction with the Cable Machine to maximize the efficiency of producing cable.

Single Cable Terminator

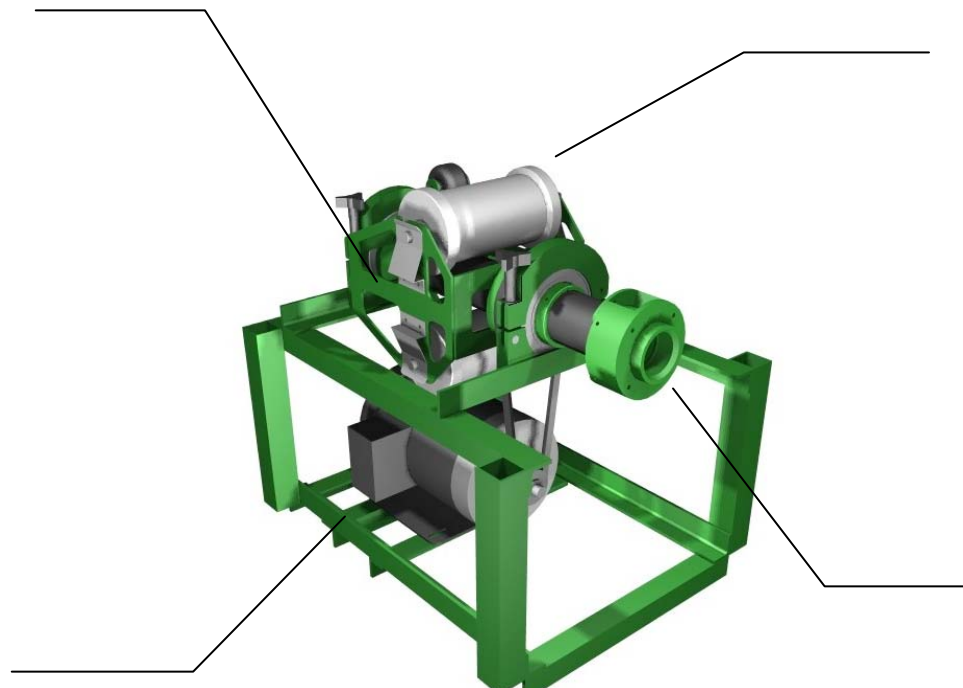
Overview

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Specs

Adjustable speed
rotating annulus
provides consistent
terminations

Easy press-and-
release universal
bobbin cartridge



Electric motor
power quickly
terminates cable

Wrapper tube stabilizes
cable to aid in even
terminations

Single Cable Terminator

Overview

Highlights

Specs

- Input Power: 5 amp, 230 volt
- Weight: 34 kg (75 lbs)
- Length: 0.54 meters (21.25 inches)
- Width: 0.44 meters (17.3 inches)
- Height: 0.67 meters (26.4 inches)

Supporting Parts & Equipment



Bobbins

When properly wound using our Bobbin Winder, a bobbin with 2000 denier polyester string will hold enough string to wrap approximately 2,000 meters of single cable using the Cable Machine, or up to approximately 1,000 meters of Quad Column using the Multi Wrapper. Their durable aluminum cores allow for high speed winding, saving you time and money. One Bobbin Winder will wrap 8 of these bobbins in an hour. Weight unwrapped: 700g (24.7 oz).

There is a wide variety of strings that can be used in StrawJet bobbins, including 2000 denier polyester, hemp cord, jute, and cotton string.



Trays

Our trays are designed to hold straw cable as it exits the Cable Machine, and to hold columns as they enter and exit the Multi Wrapper. Lightweight, portable, and included with stands for adjustable heights.

- Weight: 6.2 kg (13.5 lb)
- Length: 2.85 meters (112 inches)
- Width: 0.26 meters (10.2 inches)
- Height: 1.17 meters (46 inches)

Conveyers

Our powered conveyers feed raw materials, such as straw and other cellulose materials, into the Cable Machine, which are then compressed and bound into cable.



- Weight:
- Length: 3.16 meters (124 inches)
- Width: 0.83 meters (33 inches)
- Height: 0.90 meters (36 inches)
(Operating Height. Height of the conveyor is adjustable)