




Stiff Stay Fencing Machine

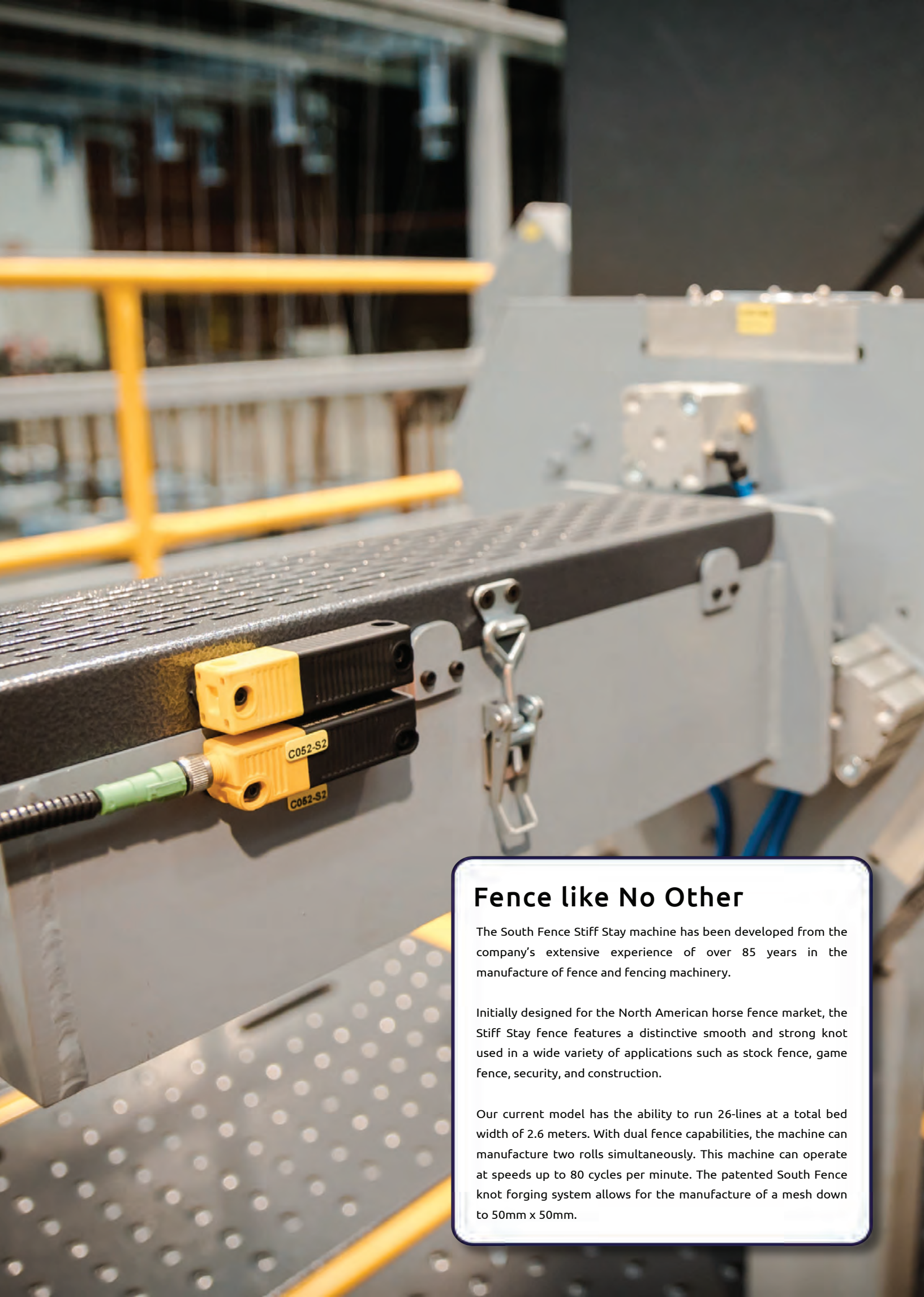


South Fence
Machinery



The forged
Stiff Stay
knot is smooth,
strong, and
economical





Fence like No Other

The South Fence Stiff Stay machine has been developed from the company's extensive experience of over 85 years in the manufacture of fence and fencing machinery.

Initially designed for the North American horse fence market, the Stiff Stay fence features a distinctive smooth and strong knot used in a wide variety of applications such as stock fence, game fence, security, and construction.

Our current model has the ability to run 26-lines at a total bed width of 2.6 meters. With dual fence capabilities, the machine can manufacture two rolls simultaneously. This machine can operate at speeds up to 80 cycles per minute. The patented South Fence knot forging system allows for the manufacture of a mesh down to 50mm x 50mm.

All the Features you need in One Machine

Our Stiff Stay fencing machines support all the features and functionality expected on any modern manufacturing machine:

- The Human Machine Interface (HMI) facilitates easy setting and adjustment of the machine during operation as well as displaying real time manufacturing information and machine status.
- The innovative Tri-drive feed unit ensures rapid and accurate wire delivery directly into the knot forging system.
- The servo-driven indexing crimping drum facilitates the effortless change of stay-wire spacing's at the push of a button, eliminating long down times during specification changes.
- The finished fence is wound on to a variable torque roll wind up system that automatically adjusts throughout the manufacturing process to ensure a compact roll is produced for ease of handling and shipping.
- The finished roll is automatically stripped from the mandrel by the stripping system to minimize employee handling and fatigue.

Think Safe, Think South Fence

We take the safety of your operators seriously. To achieve this, a comprehensive safety evaluation is undertaken on each of our machines coupled with a full guarding package including a combination of fixed guards, monitored RFID guards, Light Curtains, and Area Scanners. You can rest assured that we have your operator's safety in mind.



Supported by the Best

Using reputable products of internationally recognised quality allows our customers to get prompt and reliable part sales and service whenever and wherever required. Our suppliers are industry leaders in their field, supplying only the very best equipment for our machines.

The Siemens logo is displayed in a white circle with a dark blue border. The word "SIEMENS" is written in a bold, teal, sans-serif font.

SIEMENS

The SICK logo is displayed in a white circle with a dark blue border. The word "SICK" is in a bold, blue, sans-serif font, with the tagline "Sensor Intelligence." in a smaller, blue, sans-serif font below it.

SICK
Sensor Intelligence.

The Festo logo is displayed in a white circle with a dark blue border. The word "FESTO" is written in a bold, blue, sans-serif font.

FESTO

The SKF logo is displayed in a white circle with a dark blue border. The letters "SKF" are in a bold, white, sans-serif font, set against a dark blue rectangular background.

SKF



Fence Specifications

Maximum Fence Height (Table Width)	2.6 metres (102")*
Maximum Number of Horizontal Wires	25 Line for single fence 26 Line for dual fence
Horizontal Wire Spacings	Minimum 50mm (2")* with 25mm (1") increments
Vertical Wire Spacings	50mm, 75mm, 100mm, 150mm, 225mm, 300mm, 450mm, 600mm, 1200mm, 1800mm (2", 3", 4", 6", 9", 12", 18", 24", 48", 72")*
Line-wire (Horizontal) Sizes	Intermediate: 2.50mm (.098")Ø** Selvege: 2.50mm to 3.55mm (.098" to .140")Ø 500 - 1390 N/mm ² (32 - 90 Ton/sq in)
Stay-wire (Vertical) Sizes	Standard: 2.50mm (.098")Ø** 500 - 900 N/mm ² (32 - 58 Ton/sq in)
Knot-wire Sizes	Standard: 2.50mm (.098")Ø** 430 - 500 N/mm ² (28 - 32 Ton/sq in)
Maximum Roll Sizes	800 mm (31.5")Ø

* Machines are available set for either metric or imperial line-wire measurements. Purchasers need to state their preferred option. Additional equipment is available to change from metric to imperial or from imperial to metric if required.

** Custom tooling to suit different wire gauges available on request.

Machine Specifications

Maximum Machine Speed	100 cycles per minute
Motion System	Controlled Siemens Servo Drives
Dual Feed System	Enables 2 rolls to be manufactured simultaneously (2.4m (96") usable width)
Wire Fault Detection System	Standard with all machines
Safety Equipment Utilised	Fixed guards, CAT4 RFID monitored guards, CAT4 Light Curtains, CAT3 Scanners
Centre Twist	Available on request
Automatic Label Inserters (A4 and A3)	Available on request
Automatic Roll Cut, Strip & Restart	Available on request
Lubrication System	Automatic machine lubrication, additional lubrication options available on request
Approximate Floor Area Required	22m x 12m (72ft x 40ft)

Fence Type (Line-wires / Fence Height in cm/ Stay Spacing in cm)	Rolls per shift (8 hours)	Meters per shift	Weight per shift (kg)
(8/90/30) - 100m - Dual	114	11300	5160
(8/125/15) - 500m - Dual	16	8085	4860
(13/122/15) - 100m - Dual	68	6800	6210
(20/244/15) - 100m - Single	34	3400	5240
(13/122/5) - 50m - Dual	49	2430	4220

These values have been approximated and will vary depending on operator competency, fence specification, preventative maintenance, etc.



Our Team

South Fence Machinery Ltd is a privately-owned New Zealand company whose history dates back to the 1930's.

Originally known as NZ Fence & Gate Works the company operated from a small factory at Petone, in the Wellington industrial area, manufacturing wire products for local distribution. Over the ensuing years the company – then known as Hurricane Wire Products Ltd – grew rapidly to become recognised in New Zealand as an industry leader in the manufacture of wire based commodities.

In 1986 the wire products division of Hurricane Wire Products Ltd was sold and the Engineering Division became South Fence Machinery Ltd.

Today, South Fence Machinery is respected worldwide for our machinery's product quality as well as after sales service and support. The company now looks to the future with faster and more productive machine solutions being designed and built by our specialised team of machine designers and engineers.







Our Machines

South Fence Machinery offers a complete suite of fence machines – Stiff Stay, Fixed Knot, and Hinge Joint. With this range of fence types you can meet your fencing needs from camels in desert sands to cows in gentle pastures; from deer in alpine meadows to security alongside motorways, South Fence Machinery does it all.

Our machines are built to provide the best solution for your needs, machine mesh size, fence height, and machine specifications can be fully adjusted to meet and exceed your expectations.

In addition, we also manufacture barbed staple machines and wire coilers as ideal companions for your fence machines.



Contact
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today about the
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