

# Hinge Joint Fencing Machine South Fence Machinery





# Cost Effective Fence Solution

The Hinge Joint fencing machine has been designed and developed by South Fence Machinery with their experience of over 85 years in the fence and fence machine manufacturing industry.

This fence style was one of the first woven wire fences to come on to the market in the late 1800's and is still used worldwide as a cost-effective wire fence solution.

Our current model has the ability to run 14-lines with a total machine table width of 2 meters. This allow for the manufacturing of a single fence with machine speeds of 130 cycles per minute. This results in our fastest fence machine currently on the market.

# Fast and Efficient Fence Manufacture

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

• Simple and well-engineered components ensure the machine runs reliably. If desired, the machine can be designed to support custom wire specifications.

• A range of crimping drum change gears along with simple mechanical adjustments ensures the machine operator can change and manufacture many common stay-wire spacing sizes.

• The machine has a comprehensive arrangement of electric trip systems to ensure the machine stops in the event of wire tangle, breakage, or incorrect machine function.

• The take-up assembly incorporates a driven stripper trolley and support trolley for easy roll removal to minimise operator 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, and safety Light Curtains. You can rest assured that we have your operator's safety in mind.

> **SIEMENS** ( 201 **SEE 315-0BB02** IP69 **EC 60947-5-3** Ue 24VDC Ie 0.1 Siemens AG DE-92220 Ambe

102 IP69K LISTED 80SA IND.CONT.EQ. E-92220 Amberg 24Vdc, 250mA PC Safety Component 170221 (CS)

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# 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.

# SINAMICS



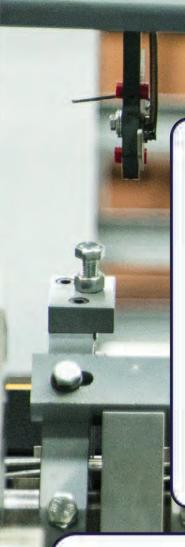
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# **Fence Specifications**

Maximum Fence Height (Table Width)

Maximum Number of Horizontal Wires

Vertical Wire Spacings

Line-wire (Horizontal) Sizes

Stay-wire (Vertical) Sizes

2.0 metres (79")\*

14 Line

150mm (6") and 300mm (12") Custom spacing available on request

Intermediate: Up to 2.80mm (.110")Ø\*\* Selvedge: Up to 3.5mm (.140")Ø 500 - 1400 N/mm² (32 - 90 Ton/sq in)

Standard: 2.00 (.079") to 2.80mm (.110")Ø\*\* 500 - 900 N/mm² (34 - 58 Ton/sq in)

### Maximum Roll Sizes

625 mm (24.5")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.

### **Typical Fence Specifications**

10"	9 1⁄2"	9"	8"	7"	6"	5 1⁄2"	5"	4 1⁄2"	4"	3 ¼"	
254mm	241mm	229mm	203mm	178mm	152mm	140mm	127mm	114mm	102mm	83mm	
					6 Line 28	" (717mm	1)				
					7 Line 28	" (722mm	ı)				
					8 Line 32	" (805mm	1)				
					7 Line 36	" (921mm	ı)				
					8 Line 36	" (902mm	1)				
					9 Line 39	" (985mm	ı)				
					10 Line 47	" (1189m	m)				
					11 Line 62	" (1580m	m)				
					12 Line 72	" (1834m	m)				
					13 Line 75	" (1917m	m)				
					14 Line 79	" (2000m	m)				



# **Machine Specifications**

Maximum Machine Speed

**Motion System** 

**Dual Feed System** 

Wire Fault Detection System

Safety Equipment Utilised

Automatic Label Inserters (A4 and A3)

Automatic Roll Cut, Strip & Restart

Lubrication System

Approximate Floor Area Required 130 cycles per minute

Siemens Motion Control

Available on request

Standard with all machines

Fixed guards, CAT4 RFID monitored guards, CAT4 Light Curtains

Available on request

Available on request

Automatic machine and twister lubrication, additional lubrication options available on request

10m x 9m (33ft x 30ft)



Fence Type (Line-wires / Fence Height in cm/ Stay Spacing in cm)	Rolls per shift (8 hours)	Meters per shift	Weight per shift (kg)
(8/90/15) - 100m	51	5050	3170
(8/115/15) - 50m	78	3900	2680
(8/115/15) - 100m	51	5050	3470
(6/70/30) - 200m	42	8340	2940
(8/80/15) - 100m	51	5050	3050

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**

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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.







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# **Mexico Agent**



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