



## [INTRODUCTION]

**Pallet wrapping is a complex business. When it's synergised with the product and wrapping method, you secure your pallet properly and cost effectively.**

Get it wrong and you risk damage to your product, delays in your service, high costs and low customer satisfaction. The question is, how do you know if you are getting it right or wrong?

**MORSAWRAP offers a full pallet wrapping system – pallet wrap intelligently applied.**

MorsaWrap combines pallet wrap with cutting edge technology and manufacturing methods, utilising the highest quality raw materials to ensure exacting specifications are met every time.

Whatever the product or whatever the method, there is a MorsaWrap film that will give you optimum wrapping quality at a cost effective wrap cost.

So feel free to browse our product range and remember; MorsaWrap is far more than a range of products and it's only the application of knowledge from one our trained partners that can synergise your whole pallet wrapping operation.





# [IT ALL BEGAN WITH A PROBLEM...

How can you keep your pallet wrapping costs competitive – without affecting costs elsewhere in the supply chain?



**From the problem came a realisation.**

Pallet wrap as a product on its own is no longer enough - what is actually needed is a system

**From the realisation came an idea.**

A system that can meet your cost targets, adhere to your environmental responsibilities and ensure that your product arrives securely

**And so, MorsaWrap was born.**

Or to be precise, crafted,  
developed and recrafted  
as a method of synergising  
the packaging of pallets  
by marrying the wrapping  
method with the film used.

MorsaWrap isn't just a product  
- it's a system, which combines  
the latest in pallet wrapping film  
technology, the application of  
that technology in a production  
environment and the equipment  
used to wrap the pallets.

In short, a pallet wrap intelligently applied.

**...WELCOME TO MORSAWRAP**

[OUR PRODUCTS]

[W1]

[W3]

[W5]

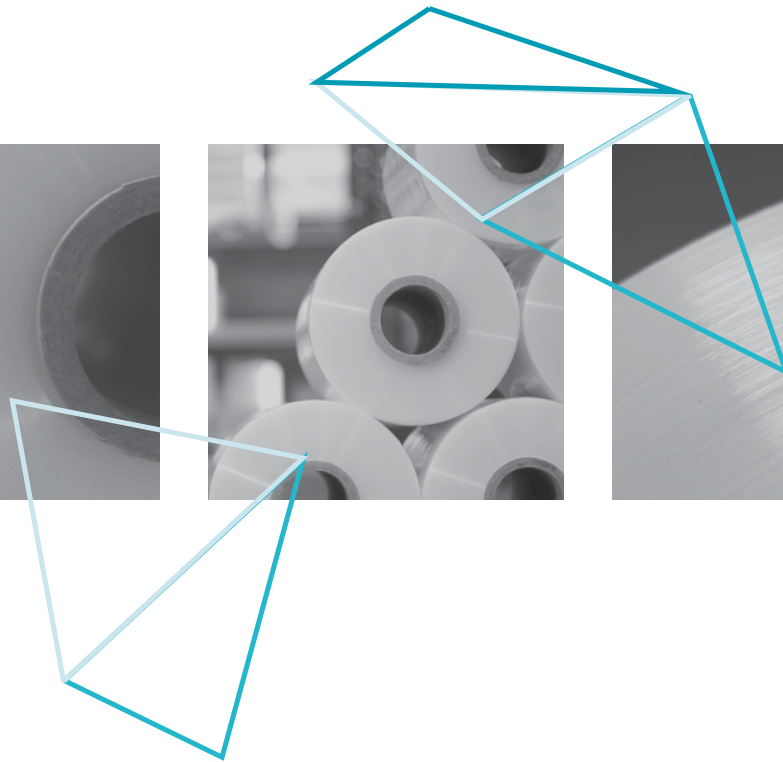
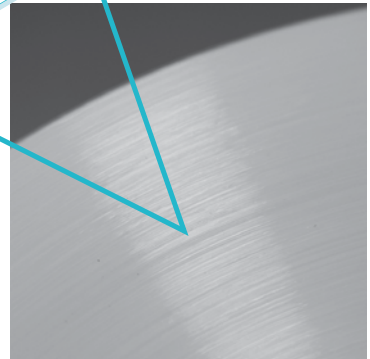
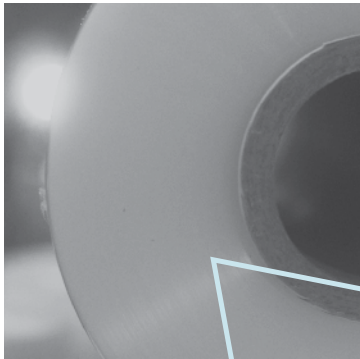
[W7]

[W9]

[M1]

[M3]

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## WI

In some pallet wrapping applications, traditional manufacturing techniques offer a solution that is both secure and cost effective.

Medium stretch capacities (150% - 250%) and low to medium speeds, the WI film range covers both machine and hand wrapping applications.

For low stretch applications look at our W3 and W5 films and great savings can be made with our W7 and W9 films for higher stretch (200% - 400%) and higher speed applications.

### WI Machine Film

Thickness (µm)	Width	Guaranteed Stretch
12	500mm	100%
15	500mm	160%
17	500mm	250%
20	500mm	250%
23	500mm	250%
30	500mm	250%

### WI Hand Film

There are two key factors to effective hand wrapping – low effort to minimise operator fatigue, whilst maintaining high holding force for consistent load security. Morsawrap provides a perfect balance of the two.

Grade (µm)	Core	Width	Length	Colour
17	Extended	400mm	300m	Clear
17	Standard	400mm	300m	Clear
20	Extended	400mm	300m	Clear
20	Standard	400mm	300m	Clear
20	Standard	500mm	300m	Clear
23	Extended	400mm	300m	Clear
23	Standard	400mm	300m	Clear
23	Standard	500mm	300m	Clear
25	Extended	400mm	300m	Black
25	Standard	400mm	300m	Black
25	Standard	500mm	300m	Black
35	Standard	500mm	170m	Clear

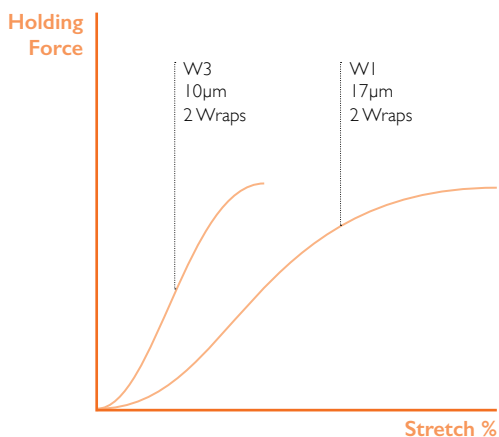




### W3 Machine Film

The film in the W3 range is stretched during the manufacturing process when the yield is maximised, rather than during the wrapping operation. The result is that you can achieve film cost savings whilst maintaining good holding force on your pallet.

Available in both machine and hand applications and produced using manufacturing technologies that are up to the minute, embracing the finest raw materials to ensure consistent performance and tangible savings.



The table above shows the amount of holding force achieved over the stretch capacity of the film. W1 film has a maximum guaranteed stretch of 250% and the W3 film 50%.

Grade (µm)	Width	Length	Colour
8	450mm	3000m	Clear
8	450mm	4500m	Clear
8	450mm	4500m	Opaque Black
10	450mm	2500m	Clear
10	450mm	4000m	Clear
10	450mm	2500m	Opaque Black

### W3 Hand Film

Ease of application, high holding force and good puncture resistance are key to maintaining an economical yet effective wrapping solution.

In high output applications where volumes of film are used to secure pallets for both storage and distribution, the W3 range balances technology with expert application knowledge, the perfect choice for hand wrapping.

Currently available from 7µm thick, MorsaWrap continue to develop new films to enhance performance.

Grade (µm)	Core	Width	Length	Colour
7	Extended	430mm	600m	Clear
7	Standard	430mm	600m	Clear
7	Extended	430mm	600m	Opaque Black
10	Extended	430mm	600m	Clear
10	Standard	430mm	600m	Clear

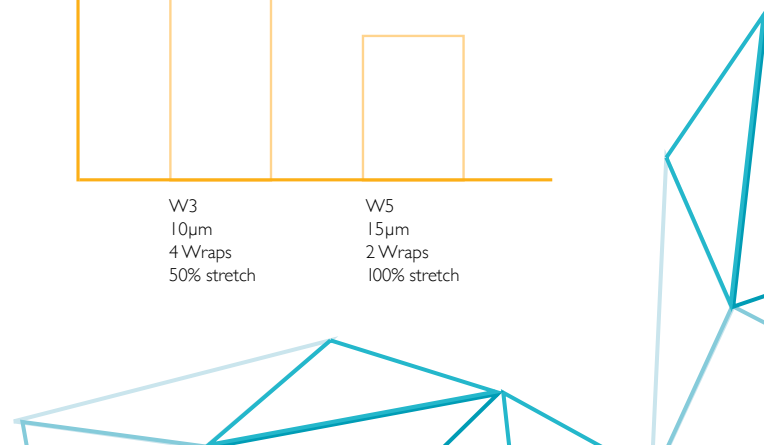
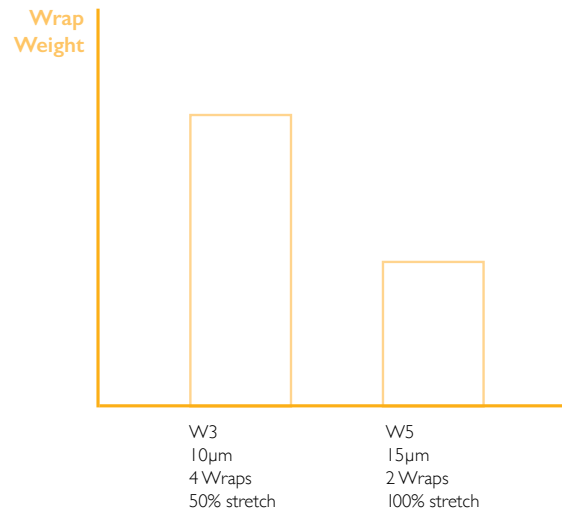
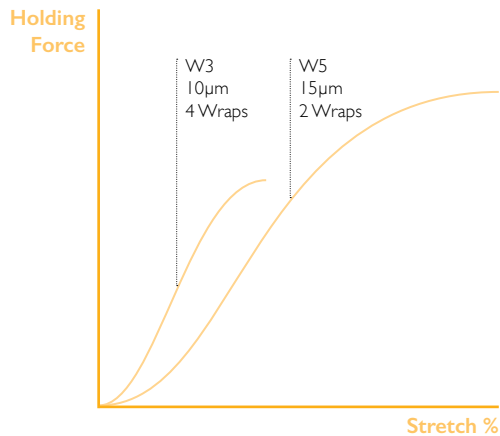


## W5

W5 range of films are the new generation film for low stretch applications. Low throughputs mean a lower capital investment in pallet wrapping equipment, yet this doesn't mean a compromise on wrap quality, if utilised with the latest NANO technology.

The W5 range of films give very high holding force at low stretch, so thinner films can be used to achieve greater holding force, improving pallet security and reducing costs.

Thickness (µm)	Width	Guaranteed Stretch
12	500mm	100%
15	500mm	100%



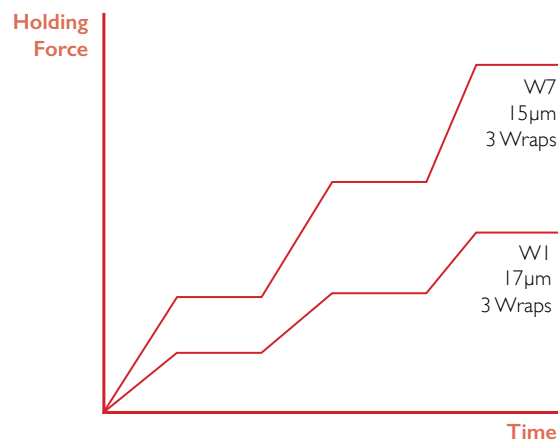


## W7

High holding forces at lower thicknesses are key to the MorsaWrap ethos of the intelligent application of technology to the pallet wrapping cycle. The W7 range of films, give a higher holding force on the pallet in the stretch range of 150% to 250%.

Like the W5 range of films, the W7 range utilises NANO type technology to develop film to meet everyday pallet wrapping challenges. W7 range of films perform best in the 150% to 250% stretch range giving improved holding forces and lower wrap weights.

Thickness (µm)	Width	Guaranteed Stretch
15	500mm	200%
17	500mm	250%
20	500mm	250%



Holding force of the pallet during the wrapping cycle.



## W9

Developed for high speed and high stretch applications, up to the minute NANO technology has allowed us to produce extremely thin yet highly effective layers of molecules to create this flagship MorsaWrap range.

Our W9 range of films have 33 layers of molecules, each layer allowing the film to perform to its optimum. With maximum stretch to brake of over 600% and a usable pre-stretch of 400% the W9 range of films can offer huge savings for the user with a superior wrap quality.

Thickness ( $\mu\text{m}$ )	Width	Guaranteed Stretch
12	500mm	250%
15	500mm	300%
17	500mm	300%
20	500mm	300%
23	500mm	300%
30	500mm	300%
35	500mm	300%



# [OUR MACHINES]

[M1]

[M3]

[M5]



## M1

Developed for low to medium throughput operations, the M1 machine can wrap pallets up to 2000kg in weight and 2500mm high.

It features a simple operator interface with a range of option adjustments, to ensure each pallet is wrapped to its optimum in both security and film usage.

The M1 machine has been developed to work seamlessly with the M3 range of pallet wrapping films for a cost effective wrap at a low capital expenditure.

<b>Turntable Diameter</b>	1650mm
<b>Turntable</b>	Inverter Driven, Adjustable speed 3 – 12 rpm
<b>Maximum Pallet Weight</b>	2000kg
<b>Maximum pallet height</b>	2500mm
<b>Maximum pallet size</b>	1200mm x 1200mm
<b>Film Carriage Speed</b>	Inverter Driven, Adjustable Speed
<b>Film Brake</b>	Mechanical Brake to 150%
<b>Power</b>	Single Phase 240v
<b>Machine Weight</b>	625Kg

### Options

- Ramp
- Extended Wrapping height up to 3000mm
- Turntable Diameter 1800mm or 2000mm
- Horse Shoe Turntable
- Sensor for dark loads

Control Panel





### M3

The greater the volume of pallets wrapped, the greater the need to balance the cost of equipment and wrap. The M3 Machine is developed for medium throughput operations and with pre-stretch of 240%, it offers a low cost wrap for a low investment.

The M3 machine offers the operator the same control over the wrap cycle as the M1 machine, whilst adding a pre-stretch system for low pallet wrapping costs.

<b>Turntable Diameter</b>	1650mm
<b>Turntable</b>	Inverter Driven, Adjustable speed 3 – 12 rpm
<b>Maximum Pallet Weight</b>	2000kg
<b>Maximum pallet height</b>	2500mm
<b>Maximum pallet size</b>	1200mm x 1200mm
<b>Film Carriage Speed</b>	Inverter Driven, Adjustable Speed
<b>Film Brake</b>	Power Pre-Stretch with 250% Pre-Stretch
<b>Power</b>	Single Phase 240v
<b>Machine Weight</b>	675Kg

#### Options

- Ramp
- Extended Wrapping height up to 3000mm
- Turntable Diameter 1800mm or 2000mm
- Horse Shoe Turntable
- Sensor for dark loads

Control Panel





## M5

The flagship in the machinery range, the M5 Machine has been developed to enhance the exceptional performance of the W9 film, which can stretch to over 400%.

With full operator control over every part of the wrap cycle through the MorsaWrap touch screen control panel, and pre-stretch of 380%, the M5 Machine has everything required in a pallet wrapping machine, offering the best wrap cost available on the market.

<b>Turntable Diameter</b>	1650mm
<b>Turntable</b>	Inverter Driven, Adjustable speed 3 – 12 rpm
<b>Maximum Pallet Weight</b>	2000kg
<b>Maximum pallet height</b>	2500mm
<b>Maximum pallet size</b>	1200mm x 1200mm
<b>Film Carriage Speed</b>	Inverter Driven, Adjustable Speed
<b>Film Brake</b>	Power Pre-stretch to 380%
<b>Power</b>	Single Phase 240v
<b>Machine Weight</b>	625Kg

### Control

MorsaWrap developed programmable software to control every area of the wrapping cycle. 4 fully programmable wrapping cycles controlled from a Schneider Touch Screen and extremely simple program choice through the start button.

### Options

- Ramp
- Extended Wrapping height up to 3000mm
- Turntable Diameter 1800mm or 2000mm
- Horse Shoe Turntable
- Sensor for dark loads

### Control Panel

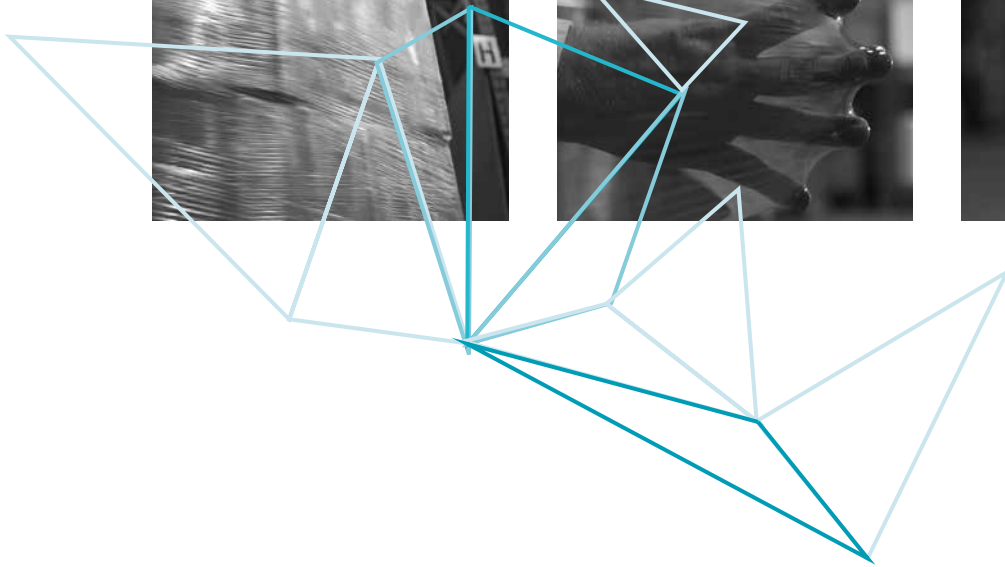
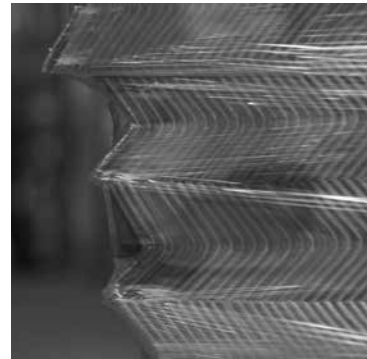
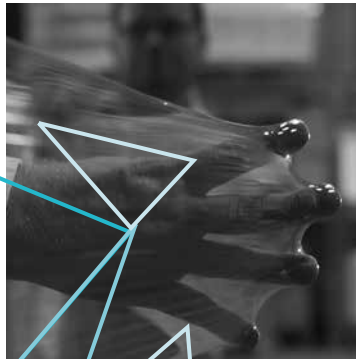
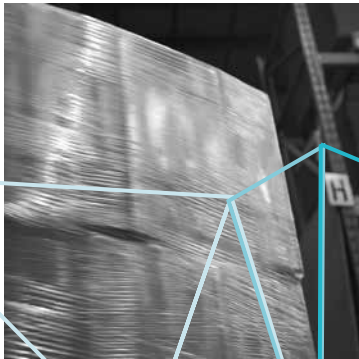




## MorsaWrap Automatics

MorsaWrap also offer a full range of automatic pallet wrapping equipment. Wrapping up to 100 pallets per hour these machines are designed and developed to ensure fast throughput, exceptional reliability and low wrapping costs.

[Talk to our team for more information](#)



PALLET WRAP INTELLIGENTLY APPLIED









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