



Case Study

WAREHOUSE LOGISTICS

Wrapping Unstable Loads: Improve Stretch Wrapping Efficiency and Reduce Product Damage



WHO:

In 2018, a Warehouse and Logistics Provider in Canada went looking for ways to improve their existing stretch wrapping process. Their ultimate goals were to reduce product damage being incurred during shipment and improve their stretch wrapping efficiency. The Provider was experiencing high containment failure by manually hand wrapping their skids. Due to the light weight, inconsistent shape and varying load profiles, the operators were unable to establish the proper containment force on the loads. Additionally, this inability to create consistent containment force was resulting in the over application of the stretch film.



THE SOLUTION:

To find a solution, the provider contacted Crawford Packaging, a trusted Canadian distributor of Lantech. One of Crawford's Packaging Specialists visited the Provider's facility to perform a free packaging consultation, and assessed their existing packaging process and their stretch wrapping materials.

To address all of their packaging challenges, the Specialist recommended the Lantech S300 Rotary Arm Stretch Wrapper – specifically designed for very heavy or very light loads – and Crawford Guardian Machine Film.



INCREASED THROUGHPUT

Adding the S300 stretch wrapper resulted in a **40% reduction in wrap time!**



REDUCED SHIPPING DAMAGE

The S300 and Guardian Film **greatly reduced their damage rates.**



REDUCED LABOR COSTS

Went from multiple operators at the packaging station to just **one operator!**



REDUCED WASTE

The S300 pre-stretch capability allows an **8,000ft roll extend to 25,600 feet!**



FULL RESULTS:

Increased Throughput – With the addition of the S300 Stretch Wrapper, the Provider increased their productivity and throughput, resulting in a 40% reduction in wrap time.

Reduced Shipping Damage – With the consistent rate of wrap force created by the S-300, the Provider has been able to greatly reduce their damage rates. Backed by the strength of Crawford Guardian G60 film the Provider's loads are more stable and better secured. This ensures a load will arrive at its destination intact.

Reduced Labor Costs – Previously, multiple employees were used to hand wrap their skids. The improved productivity of the S-300 stretch wrapper has enabled the Provider to now use a single employee to manage the wrapping station. The employee initiates the wrap cycle and is then able to perform another task as it completes. The other employees that were needed for wrapping have since been reallocated to alternate areas of the Producer's operation.

Reduced Waste – The pre-stretch capability of the S300 helped the Provider reduce the amount of stretch film used per load. By pre-stretching the film with the help of automation – something that is not consistently maintained when hand-wrapping – the Provider is able to make their 8,000-foot film roll extend to 25,600 feet in length. This means that less raw material is required to wrap each skid.

S300 SEMI-AUTOMATIC STRETCH WRAPPER

The S300 Semi Automatic Stretch Wrapper is designed to wrap very light, very heavy and unstable loads. The film delivery system rotates around the load, which prevents it from falling apart during the wrap cycle, and maintains consistent wrap force for different load sizes and shapes. This ensures a safe-to-ship load, every time, with the lowest film usage.



Click or scan the QR Code to see the S300 in action



CRAWFORD FILM

Crawford Guardian G60 film is an ultra-premium stretch film with one-sided cling for easy handling and loading. This film provides excellent optics and can offer up to 300% pre-stretch to provide maximum stretch capabilities. Due to the advanced quality and strength, this 49-gauge film can offer the same containment capabilities of a standard 60-gauge film.

