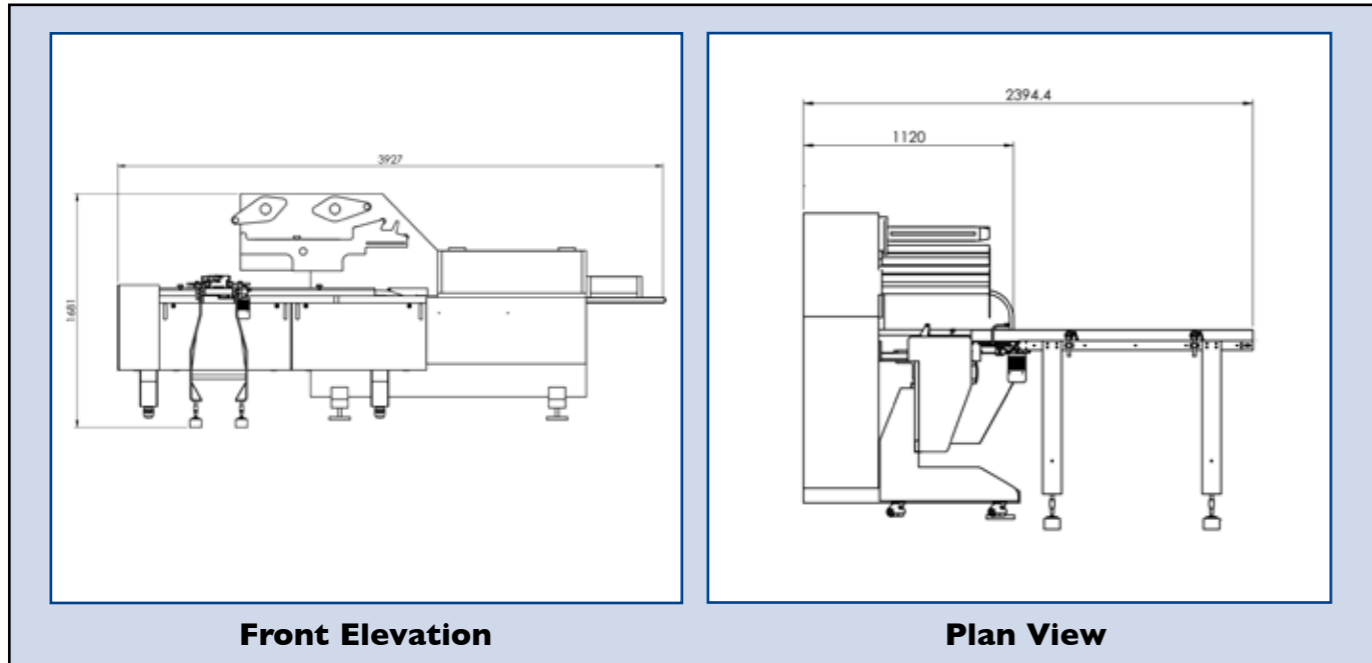


Floor Plan



A.M.P-Rose



X-Pax Flowwrap Machine



Technical Specifications

Maximum Width	120 mm
Maximum Height	100 mm
Maximum Length	350 mm
Output	Up to 600p/m

Note: Pack sizes outside this range can be handled on the X-Pax (L) machine

Scan the QR code to view more information and video



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Represented by;

A.M.P-Rose



X-Pax Flowrap Machine Revolutionary Feeding System

The A.M.P-Rose 'X-Pax' machine has been designed for single and multi-pack wrapping, and combines the flowwrapping machine with the very latest in linear transport systems. The linear transport system, XTS, combines the benefits of both rotary and linear systems.

The revolutionary feeding system allows individual product size, number of pieces in the pack, number of product layers, and pack length to all be changed at the touch of a button. Change over parts can therefore be eliminated entirely and downtime reduced to a minimum.

XTS System

The linear transport system on the X-Pax machine is a Beckhoff XTS (eXtended Transport System) which brings together the benefits of rotary and linear systems. XTS is a mechatronic system containing all functions necessary for operation: a modular, fully integrated linear motor with power electronics and position measurement in a single device, a mover as a moved part and a mechanical guide rail. XTS enables individual product transport with a continuous flow of material. Due to the low construction volume, the energy efficiency and the size of a machine can be significantly reduced compared to conventional systems.



XTS adapts itself precisely to the customer requirements: the arbitrary number of movers, the modular path guidance, and the controllability of each individual mover allows precise configuration to suit the product.

The mover is made of a light and solid aluminium alloy. Thanks to their arrangement the rollers allow backlash-free travel on the straights and in the curves. The rollers cause very little running noise and is particularly low-wear without lubrication of the guide rail. The attractive forces of the magnetic plates are largely balanced by the opposed arrangement, so that the rollers and the rail do not have to absorb the comparatively high attractive forces of the magnets.

Up to 4m/s can be achieved with the feed system, without any jerking and still with maximum positioning accuracy. Synchronisation, stopping and starting can be accomplished at any of the stations on the entire path. Added to this is a sensitive response; jerk-free acceleration profiles even allow the transport of open liquids.

There are no sliding contacts or cables to the moved part, it is a purely passive mover; this results in maintenance and spares being kept to a minimum. The friction is also very minimal, which means there is no development of heat in or on the mover, and with the mover weighing less than 350g it is less susceptible to wear and damage.



Example of pack collations that can be changed at a touch of a button



Flowrap

The flowrap machine is a medium speed full servo driven horizontal wrapping machine suitable for single pack or multipacking with heat or cold seal wrapping materials. The flowrap is fully synchronised to the XTS feed system and incorporates a large user friendly Windows based HMI screen.

The X-Pax is suitable for a wide range of products from food to hardware. The versatility of the machine and ease of changing individual product size, number of pieces in the pack, number of product layers, and pack length at the touch of a button means it is particularly suited to users who require regular change of product or pack sizes.

Available in powder coated finish as standard, or fully stainless steel optionally. The machine can be supplied with rotary or box motion end sealing jaws, depending on the application and speed requirements.



Features

Fast size-changes

The revolutionary feeding system and LVA system makes the X-Pax extremely versatile for size changing, and because it can be done at the touch of a button, and without the need for size change parts it makes for a supremely fast change size.

Simple to operate and maintain

The machine has been designed with the user in mind. The machine controls are simple and easily accessible to the operator via the conveniently located HMI unit. The mechanisms have been designed in such a way that they can be understood by non-technical personnel, saving time and money on maintenance.

Low running costs

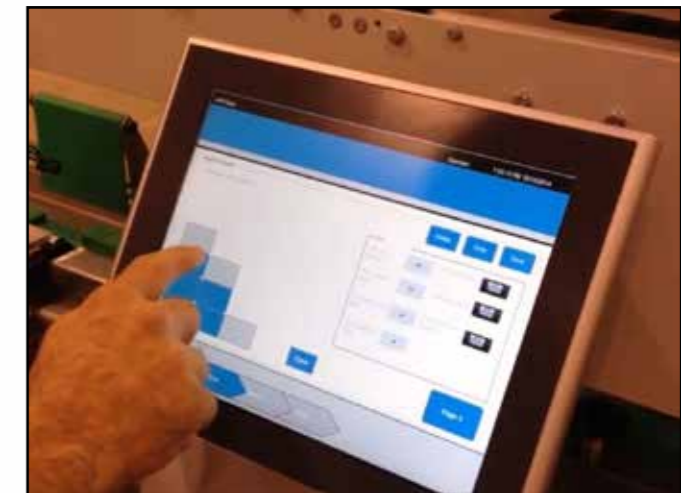
Thanks to its design, the machine requires very few running spares, keeping costs and inventory to a minimum.

Health and Safety assured

Electrically interlocked guards provide safe machine operation and are designed so that the machine can be accessed for cleaning and maintenance purposes. Manufactured from clear acrylic, they also provide excellent visibility to the operator. The machine meets current Health and Safety and 'CE' standards.

Wrapping materials

All suitable heat and cold seal wrapping materials.



The operator can select the desired pack configuration from the HMI.