Block Bottom/Gable Top is a popular pack style and an easy modification to most Hayssen Flexible Systems Sandiacre Vertical Form, Fill & Seal machines.

Advantages
- Quick-change from existing pack style to Block Bottom/Gable Top or Gusset Top/Bottom
- Improved bag/product presentation, allows products to be displayed upright
- Cost effective option in comparison with Fin Seal and Quad PackTM
- Hayssen Flexible Systems’s ability to quickly produce Block Bottom pack samples for the majority of products

Items Included
- Gusset Mechanism
- Block Bottom Canopy
- Gusset Blades

Installation
- Customer or Hayssen Flexible Systems installation
- Drawings and circuit diagrams included

Model Availability
- Conversion can be retro-fitted to most Hayssen Flexible Systems Sandiacre VFFS machines
- Confirmation subject to Engineering review

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
As an OEM manufacturer of seal jaws, our parts are guaranteed to fit the first time and are manufactured to our in-house quality standards with proven durability.

Advantages
- Jaws available in heat seal, poly and constant heat to suit the sealing properties of your wrapper
- A wide range of sealing profiles & patterns to suit most applications with coatings where required
- Hole punch jaws available in a variety of styles: Euroslot Hole & Carrier Bag Handle
- Optional Nick Knife where easy opening bags are required
- Discuss your exact requirements with our design engineers who can tailor the design to suit your particular needs

Items Included
- Fully assembled with heaters, mountings, plugs/sockets, etc. for ease of changeover

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- Fully itemized assembly drawing included

Model Availability
- All Sandiacre style VFFS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Our range of backseal systems are designed to compliment our jaw seal options and are manufactured to our quality specification with proven durability.

**Advantages**
- Backseal available in heat seal, poly, constant heat, rotary and hot-air to suit the sealing properties of your wrapper
- Discuss your exact requirements with our design engineers who can tailor the design to suit your particular needs

**Items Included**
- Fully assembled with heaters, mountings, plugs/sockets etc for ease of changeover

**Installation**
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- Fully itemised assembly drawing included where required

**Model Availability**
- All Hayssen Flexible Systems Sandiacre VFFS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Center action backseal conversion provides more positive and accurate backseal pressure designed to accommodate both orientations of overlap.

**Advantages**
- More positive movement of sealer bar
- Improved lateral adjustment
- Robust design including stainless steel construction, linear bearings, hardened shafts, etc.
- Quick removal provides for easy maintenance
- Easy access for pneumatic adjustment
- Enhanced performance for both standard and opposite hand overlap configuration
- Available for heatseal or poly applications

**Items Included**
- Center action backseal assembly
- New heatseal bar, heater and PT100 or poly wires, etc.

**Installation**
- Installation may be completed in a few minutes by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary drawings and circuit diagrams are included

**Model Availability**
- Conversion can be retrofitted to most Sandiacre VFFS machines
- Confirmation subject to Engineering review

**Contact a Customer Service Representative for additional details, pricing and availability:**

Email: parts@hayssen.com
Phone: Duncan, SC +1 (864) 486-4111
Vacuum transport offers a full conversion from the friction transport system to the vacuum assist transport.

Advantages
- Reduces transport belt wear
- Reduces the frictional drag between the packaging material and the forming tube
- Enhances the machine performance handling difficult films including low slip, high stretch and heavy gauge laminates
- Ideal for wet environments including forming tube condensation
- Enhanced tracking and bag length control

Items Included
- Vacuum pump, contactor and associate electrical components
- Vacuum pipework
- Vacuum transport conversion parts

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary drawings and circuit diagrams are included

Model Availability
- Conversions can be retrofitted to most Sandiacre VFFS machines
- Confirmation subject to Engineering review

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone: Duncan, SC +1 (864) 486-4111
Cantilever type reel mandrel provides faster changeover times and easier loading over the old style drop on mandrel.

Advantages
- Quick reel change
- Easy re-positioning of reel
- No finger traps, complying with health & safety requirements
- Single person operation
- Less operating/moving parts

Items Included
- Complete reel carriage
- Mandrel, linear carriage adjuster mechanism

Installation
- Installation may be completed by your personnel or one of our fully trained Hayssen Flexible Systems service technicians and can be completed during one visit
- All necessary drawings and circuit diagrams are included

Model Availability
- TG250, TG320, TG3B, TG325

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Reel Brake Upgrade

Reel Brake Upgrade to give improved braking for heavier reels of film

Advantages

• Increased efficiency
• Fail safe design
• Brake applies if air is lost or disconnected
• Fully adjustable brake mechanism

Items Included

• Brake cylinder
• Brake shoe
• Mounting plate
• Mounting Plate spacers

Installation

• Installation may be completed by your personnel or one of our fully trained Hayssen Flexible Systems service technicians and can be completed during one visit
• All necessary drawings and circuit diagrams are included

Model Availability

• TG1, TG2, TG250, TG320, TG3B, TG325 & TG400

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Upgrade your older style jaw mechanism with our Chainless Jaw Assembly giving you higher sealing force, improved hygiene and reduced maintenance, extending the life of your machine.

**Advantages**
- Improved sealing force
- Improved hygiene
- Less wear parts - lower running costs
- Reduced maintenance
- Increased reliability
- Incorporating DFMA allowing ease of installation

**Items Included**
- Complete new jaw frame assembly
- Comprehensive parts list

**Options**
- New sealing jaws
- New bag deflators
- New V-Plates

**Installation**
- Installation must be completed by a Hayssen Flexible Systems Service Technician

**Model Availability**
- TG250 and TG320 intermittent machines
- Single and twin machine configurations
- Servo jaw and Pneumatic jaw machines
- Suitable for all heating types

**Contact a Customer Service Representative for additional details, pricing and availability:**

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111

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**Sandiacre**  **Simionato**  **Rose Forgrove**  **Schib**

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Hayssen Flexible Systems
225 Spartangreen Blvd.
Duncan, SC 29334 USA

t. +1 (864) 486-4000
hayssen.com
Symmetric Jaw Motion

Replacement jaw drive parts provide symmetric motion between front and rear jaws on Novus machines.

Advantages

• Improved bag shape when making gusseted, flat-bottom or quad style bags
• Reduced end seal wrinkling when gusseting or making doy style bags
• No detrimental effect upon pillow bags
• No change parts when changing bag size or style
• Replaces existing bearings with new ones

Items Included

• Replacement jaw drive parts with new bearings

Installation

• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability

• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Replacement film rollers are stronger and re-buildable, for use in applications with high film tension.

Advantages
- Rollers are stronger to reduce likelihood of bending
- Rollers use replaceable ball bearings and can be rebuilt

Items Included
- Two rollers, with bearings and mounting shafts

Available Options
- Also available for reel frame rollers and final roller

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with quad pack option

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Reel Frame Roller Upgrade

Replacement film rollers are stronger and re-buildable, for use in applications with high film tension.

Advantages
- Rollers are stronger to reduce likelihood of bending
- Rollers use replaceable ball bearings and can be rebuilt

Items Included
- Two rollers with bearings and mounting shafts

Available Options
- Also available for final roller and quad pack frame rollers (quad pack equipped machines only)

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Final Roller Upgrade

Roller is stronger to reduce likelihood of bending. Roller uses replaceable ball bearings and can be rebuilt.

Advantages

• Roller is stronger to reduce likelihood of bending
• Roller uses replaceable ball bearings and can be rebuilt

Items Included

• One roller with bearings and mounting shaft

Available Options

• Also available for reel frame rollers and quad pack frame rollers (quad pack equipped machines only)

Installation

• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability

• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with rack type final roller. Versions available for certain older styles as well.

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Replacement final roller uses rack and pinion adjustment with position indicator. Some find this easier to adjust than the arm type.

Advantages
- Single-point adjustment of final roller position relative to forming set
- Adjustment requires no tools
- Adjustment can be made in seconds without removing film
- Digital position indicator to capture repeatable position setting

Items Included
- Final roller mounting brackets, adjustment hardware and roller

Available Options
- Available in standard duty or heavy duty version with stronger final roller

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with arm type final roller

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Adjustable Cam Followers

Replacement gusset cam follower mounts with extended adjustment capability.

Advantages
• Provides increased gusset cam follower timing adjustment

Items Included
• New gusset cam follower mounts

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with gusseting option

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111

Adjustable Cam Followers (in red)
Replacement hardware for mounting PEC at the front of the reel frame

Advantages
- Can provide better registration control on stretchy films

Items Included
- New mounting hardware
- Re-uses existing PEC sensor in new location

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Hot Air Backseal Quick Release Kit

Adds quick release fitting to air supply hose for hot air backseal assembly.

Advantages
- Provides for tool-free, rapid connection and disconnection of air supply for hot air backseal assembly
- Reduced change-over time

Items Included
- Quick release fittings for air supply hose

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with hot air backseal

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
**Adjustable Cushion Plates (Deflators)**

**Adds adjustable cushion plates under jaws of Novus machine. Vertical and horizontal position of cushion plates are independently adjustable.**

**Advantages**

- Accommodates a variety of bag sizes and product types
- Eliminates need to contour foam or configure rubber bands
- Multiple sets can be purchased to use as change parts rather than adjust between setups

**Items Included**

- One set of cushion plates with foam applied

**Installation**

- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems service technician
- All necessary parts and available drawings are included

**Model Availability**

- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

**Contact a Customer Service Representative for additional details, pricing and availability:**

Email: parts@hayssen.com
Phone: Duncan, SC +1 (864) 486-4111
Spring-Loaded Rotary Backseal Mount

Adds a spring-loaded mounting system to the rotary band backseal assembly

Advantages
- Allows precise setting of pressure between rotary band and forming set
- Provides easier adjustment of rotary band alignment relative to forming set

Items Included
- Set of rotary band backseal mount parts

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems service technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Extended Rotary Backseal Upgrade SA111

Adds an extended capacity rotary band backseal assembly

Advantages
• Provides more heat capacity and film dwell time to improve seal quality on certain films
• Includes spring-loaded mount for easier belt pressure setting
• Can be configured for right-hand or left-hand orientation

Items Included
• Set of rotary band backseal parts
• 1 up-rated circuit breaker

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with rotary backseal capability

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Orbital Knife

Adds an orbital knife assembly to a Novus

Advantages
• Provides better end-seal cutting on certain films.
• More tolerant of difficult products that may be trapped in the seal area.

Items Included
• Set of orbital knife parts, including actuator
• 1 knife blade
• New front carrier with mounting for orbital knife

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines
• Requires installation of Qualiseal type jaws

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Novus Quali-Seal® Sealing System

The Quali-Seal® Sealing System technology has been adapted to fit a Novus machine. This design incorporates the grippers with integrated cooling normally found on the Novus, with a new sealing jaw profile similar to the Ultima Quali-Seal® Sealing System.

Advantages
• Provides better sealing on certain poly films
• Post-seal cooling is built into the grippers
• Jaw pressure is easily adjusted pneumatically

Items Included
• Front and rear Quali-Seal® die faces
• Grippers
• Mounting plates, heaters and probes

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines
• NOTE: Novus Orbital Knife Assembly may be required with new sealing system (UDSA112)

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111

Hayssen Flexible Systems
225 Spartangreen Blvd.
Duncan, SC 29334 USA
t. +1 (864) 486-4000
hayssen.com
Tool-Free Jaw Hardware

Adds tool-free jaw mounting hardware to a Novus

Advantages
- Allows removal and replacement of jaws without tools
- Compatible with heatseal and poly jaws

Items Included
- Set of jaw hardware

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Novus Quad Pack Roller Skates Upgrade SA115

Adds roller skates to nip drive on a Novus

Advantages
- Provides compliance in nip drive to allow passage of zipper film
- Nip pressure pneumatically adjustable
- Roller skate positions can be adjusted to accommodate other appliances on the film

Items Included
- Roller skate mounting and skate assemblies
- Guarding parts
- Pneumatic valve, fittings and tubing

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines with quad or doy option

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111

Quad Pack Roller Skates
HD Reel Frame Roller Upgrade

Replacement Novus film rollers that are stronger and rebuildable, for use in applications with high film tension.

Advantages
• Rollers are stronger to reduce likelihood of bending
• Rollers use replaceable ball bearings, and can be rebuilt

Items Included
• All rollers for reel frame with bearings and mounting shafts

Available Options
• Also available for other rollers on Novus machines

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
HD Banjo Roller Upgrade

Replacement Novus film rollers that are stronger and rebuildable, for use in applications with high film tension.

Advantages
• Rollers are stronger to reduce likelihood of bending
• Rollers use replaceable ball bearings, and can be rebuilt

Items Included
• All rollers for banjo and splicer with bearings and mounting shafts

Available Options
• Also available for other rollers on Novus machines

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Novus Quad Pack - New Bag Size

If your machine is Quad Pack ready, this is an upgrade with all assemblies required to make a new bag size.

Advantages
• All assemblies required for changing bag size

Items Included
• Fixed Folding Cassette
• Forming Set (bag size TBA)
• Hopper
• Block Bottom Canopy and Blades

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines equipped with Quad Pack features

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Precision Hot Air Backseal Upgrade

Replacement Novus hot air backseal

Advantages
- Self-contained sealing unit
- Precise control of sealing temperature
- Maintains seal integrity even if bagger pauses
- More uniform seal appearance

Items Included
- Backseal unit with mounting parts
- Control box with wiring

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Large capacity vacuum pump used for transport belts

Advantages
- Better control of certain slippery films
- Improved film registration
- Improved film tension control

Items Included
- Vacuum pump
- Related plumbing

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
HD Roller Upgrade Novus

Replacement Novus film rollers that are stronger and rebuildable, for use in applications with high film tension. This upgrades all film rollers on the machine, except the final roller.

Advantages
- Rollers are stronger to reduce likelihood of bending
- Rollers use replaceable ball bearing, and can be rebuilt

Items Included
- All rollers for entire machine, except final roller, with bearings and mounting shafts

Available Options
- Also available for final rollers on Novus machines, specific to each machine configuration

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

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Phone: Duncan, SC +1 (864) 486-4111

Hayssen Flexible Systems
225 Spartangreen Blvd.
Duncan, SC 29334 USA
t. +1 (864) 486-4000
hayssen.com
Replacement knife cylinder and associated parts for cutting difficult films

Advantages
- Higher knife actuation force

Items Included
- Knife cylinder, knife mounting hardware and cylinder mounting parts

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines that use a plunge knife

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Replacement side doors for Novus, featuring fans and vents to reduce heat buildup inside the enclosures

Advantages
- Provides air exchange between machine enclosures and production room
- Baffled to prevent water ingress

Items Included
- New doors with appropriate cutouts
- Electric fans and vents for doors
- Splash hoods for all door openings
- Wiring for electrical connections

Available Options
- Configurations for mechanical module, electrical enclosure, or both
- UL and non-UL versions available

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Tail Clamp Upgrade Novus

Additional parts on one side of banjo splicer to provide automatic clamping of film at reel run-out

Advantages
• Automatically operates to prevent end of film from being pulled out of the banjo
• Easy manual override when necessary for splicing operations

Items Included
• Parts to actuate splicer roller
• Pneumatic cylinder and valve

Available Options
• Configurations for each size of Novus machine available

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone: Duncan, SC +1 (864) 486-4111
Replacement parts for the Novus transport to provide increased performance and reliability

Advantages
- Increased load capacity of transport arms
- Greater longevity of bearings in transport arms

Items Included
- Bearings, shafts and shaft supports

Available Options
- Configurations available for each Novus machine size

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Replacement Novus film rollers that are stronger and rebuildable, for use in applications with high film tension.

Advantages

- Rollers are stronger to reduce likelihood of bending
- Rollers use replaceable ball bearings and can be rebuilt

Items Included

- All rollers for printer with bearings and mounting shafts

Available Options

- Also available for other rollers on Novus machines

Installation

- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability

- Conversion can be retrofitted to all Hayssen Flexible Systems NOVUS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone: Duncan, SC +1 (864) 486-4111
Novus Linear Stager

Adds a linear stager to the Novus

Advantages
- Stages product above sealing jaws
- Protects molten end seal from direct impact from product
- Collects product charge to reduce seal contamination
- Provides auxiliary end seal cooling

Items Included
- Linear stager assembly
- Mounting brackets and associated hardware
- Pneumatic fittings and tubing

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to most Hayssen Flexible Systems Novus machines. Consult factory for your specific needs.

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Novus High-Speed Bag Tipper

Adds a high-speed tipper to the Novus

Advantages
- Reliable bag support and tip-forward action
- Adjustable bag side guides for repeatable placement
- Adjustable for height and orientation

Items Included
- Tipper assembly
- Mounting bracket and hardware
- Pneumatic fittings and tubing

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to most Hayssen Flexible Systems Novus machines. Consult factory for your specific needs.

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Sandiacre Machine Guards with Windows

Adds machine guards with windows to most Sandiacre VFFS machines

Advantages
- Allows for inspection and troubleshooting without opening guards
- Windows are made from scratch-resistant material

Items Included
- New machine guards with windows installed
- Can be fitted with cooling fans and vents

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to most Hayssen Flexible Systems Sandiacre VFFS machines. Consult our Customer Services team for your specific needs.

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Sandiacre Machine Light Kit

Adds internal lighting to Sandiacre VFFS machines

Advantages
• Illuminates interior of machine for inspection and troubleshooting without opening guards
• Lights are low maintenance, rugged and water resistant
• Uses LED technology for low power consumption, low heat generation and long life

Items Included
• Lighting kit with associated mounting hardware

Available Options
• Machine guards with windows

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to most Hayssen Flexible Systems Sandiacre VFFS machines. Consult factory for your specific needs.

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
An under-jaw enhancement for Novus machines that removes excess air from packs.

Advantages
- Consistently and repeatability removes the maximum amount of air filled packs
- Pneumatic operation for high controllability of squeeze timing and duration
- Easy operator adjustment of the squeeze distance

Items Included
- Squeezer system with pneumatic cylinder and all piping plus fittings
- Mounting arms for installation onto existing jaw framework including all fixing hardware

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to all Hayssen Flexible Systems Sandiacre VFFS machines

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Micro Perforator

Adds a micro perforator device to the machine for adding perforations in the film.

Advantages

• Variable perforation options on the bag from one line to four lines, different patterns, straight lines, zigzag, chevron, slash, etc.

Items Included

• Perforation wheel
• Felt backing roller
• Mounting brackets and guard

Optional Accessories

• Additional perforation wheel

Installation

• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability

• Conversion can be retrofitted to the following Hayssen Flexible Systems machines: Sandiacre VFFS machinery and Rose Forgrove Flow wrapper range

Contact a Customer Service Representative for additional details, pricing and availability:

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Quad Corner Drag Backseal Assembly

Adds an improved version of the corner drag backseal assembly to a quad/doy equipped Novus machine.

Advantages

• Precise adjustment, operator friendly
• Repeatability for different bag sizes
• No change required to existing machine

Items Included

• Complete backseal assembly

Installation

• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability

• Conversion can be retrofitted to all Hayssen Flexible System NOVUS models with quad/doy

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Replacement Stainless Steel Front Door Guards

Replaces existing front doors and guards with fully stainless steel versions. Both wire mesh and laser perforated sheetmetal versions are available.

Advantages
• Durable construction, hard wearing
• No acrylic to scratch, crack or discolor

Items Included
• Complete set of front door guards, door handles, safety mounting plates, safety switches (if required), warning labels

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retroffited to all Hayssen Flexible Systems Sandiacre VFFS machines

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Replacement Door Mesh
Replacement Door Laser Profiled
Twin Mandrel Upgrade

Add a second unwind mandrel position to the machine to supplement the existing one.

Advantages
- Quicker film changes
- Have the next roll of film ready in position to splice on to the old using the standard manual splice table

Items Included
- Twin mandrel assembly including additional pneumatics for changeover and mandrel inflation
- Mandrels can be cantilevered or drop on depending on the machine type and size

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- All Hayssen Flexible Systems Sandiacre VFFS machines without powered unwind

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
A mechanical upgrade that settles loose product in the bag to ensure good seals and minimal bag heights.

Advantages
- Settles product in the pack prior to cross-seals being formed
- Improves seal strength by reducing "product in seal" occurences
- Can aid in reducing total pack length

Items Included
- Bag tapper unit and associated brackets and mounting hardware

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retroffited to all Hayssen Flexible Systems Sandiacre VFFS machines

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Pyramid Pack Upgrade

Advantages
- Additional/new pack format for your portfolio

Items Included
- Complete replacement jaw mechanism
- Additional heater controls
- Pneumatic components
- Software upgrade
- Four way bag spreader mechanism

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- All intermittent air jaw machines - consult Hayssen Flexible Systems with your machine serial number

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
A bespoke, solid state electronic board to replace obsolete componentry and ensure continued machine performance.

Advantages
- Replacement due to obsolescence

Items Included
- Two 24Vdc relays, bases and associated wiring
- Depending on machine availability of a 24Vdc supply, there may be a requirement for a separate power supply

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- All intermittent clutch brake machines - Consult Hayssen Flexible Systems regarding 24Vdc power supply

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
Duncan, SC +1 (864) 486-4111
Static Eliminator

Removes static from film, minimizes poor seals caused by product dust attraction.

Advantages
• Removes the static that attracts product dust to the packaging material
• Minimizes poor seals caused by product dust contamination
• Easy to install and adjust

Items Included
• Static bar
• Mounting brackets
• Hardware
• Generator Box

Available Options
• Second neutralizer bar mounts directly above jaws to remove static at the last possible moment

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to the following Hayssen Flexible Systems machines:
  - Sandiacre VFFS machinery and Rose Forgrove Flow wrapper range

Contact a Customer Service Representative for additional details, pricing and availability:

Email: parts@hayssen.com
Phone:
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HMI Screen Protection

A hinged, stainless steel cover with viewing window that protects the HMI display screen.

Advantages
• Ensures your control screen is immune from damage and potential production stoppages

Items Included
• Stainless steel control screen cover with acrylic viewing window
• All fixing hardware and mounting templates
• Lockable versions available

Installation
• Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
• All necessary parts and available drawings are included

Model Availability
• Conversion can be retrofitted to all Hayssen Flexible Systems Sandiacre VFFS machines

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Gas Flush System (Modified Atmosphere Packaging)

Improved product appearance and extended shelf life.

Advantages
- Extended shelf life
- Displaces oxygen
- Retards bacterial growth
- Better product appearance
- Fewer product returns

Items Included
- Single inlet, individually controlled dual outlet system, comprising of:
  - Flow meter
  - Press gauge & regulator
  - PLC controlled shut-off valve
- 2 gas lances
- Modification to forming sets as required

Installation
- Installation may be completed by your personnel or a factory trained Hayssen Flexible Systems Service Technician
- All necessary parts and available drawings are included

Model Availability
- Conversion can be retrofitted to most Hayssen Flexible Systems Sandiacre VFFS machines

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