

# INDUSTRIAL PACKAGING AUTOMATION & INTEGRATION

**NVENIA**  
A DURAVANT COMPANY

A Better Way to Automate. ....

## It's the Company Behind the Machine that Makes a Difference.

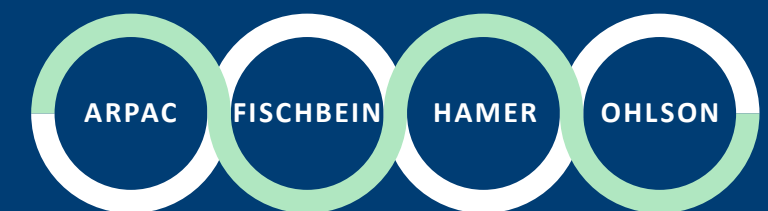
nVenia is a renowned market leader in large format bagging automation through its legacy HAMER and FISCHBEIN Brands. With these brands, nVenia serves a diverse group of customers and segments worldwide, including animal feeds & supplements, pet food, seed, bulk foods, mulch, agricultural products, powders, chemicals, minerals & mining, fertilizer, concrete, rock, building material, horticultural, landscape, and many other products.

Experts in bagging system technology, nVenia consistently combines engineering expertise with customer input to improve existing machine designs, develop new market-driven products and services, all while becoming the leader in innovation and integration across the packaging industry.

Yesterday, today and tomorrow, nVenia's commitment to developing innovative products, while also providing technical service and partnership support from your 1st inquiry through installation. Building lasting relationships with our customers remains a constant ideal every nVenia customer can count on.

### There Are Better Ways to Automate

The nVenia  
Family of  
Brands



**NVENIA**  
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True technological innovation happens when experienced design teams listen to their customers and understand product applications. nVenia captures and maintains customer and market data that drives all of our product development actions. Our industry leading bagging scale product designs are a direct result of this market-focused process. HAMER Brand bagging and filling scale designs have improved core scale functionality, resulting in improved load introduction, weight repeatability and high speed digital processing. These industry leading products offer unsurpassed speed and accuracy in automated or manual bagging applications.

## HAMER Brand Model 100GW Gross Weigh Scale



- Used for semi-automatic filling of free-flowing granular products
- Twice the speed of traditional gross weigh scales at up to 16 bags per minute
- Bag accuracy improved by almost 50%
- Compact design, fits easily into virtually any plant environment
- Fast, accurate, and easy to use

## HAMER Brand Model 8800NWi Blending Scale

- Designed for optimum bagging in weigh accuracy for free and semi-free flowing products
- Air operated, double-door hopper with a dual strain weigh sensor module in a dust-tight, air purged compartment
- Fills flat and gusseted multi-wall paper, polyethylene, and woven polypropylene bags from 10 to 24 inches in width
- Can be paired with our bag hangers or integrated with our automated handling systems
- Available in gravity, vibratory gravity, or belt feed configurations in simplex or duplex with a variety of options for your application



## HAMER Brand Model 600NW+ Net Weigh Scale

- The Model 600NW sets the standard for high performance weighing
- With bagging rates of up to 30 bags per minute on Simplex (single head) scales and repeatable accuracy far greater than any other design
- Developed with industrial applications in mind, the Model 600NW+ has twice the steel of competitive models
- Available in Gravity, Servo Gravity, Belt, Vibratory, and Auger feed versions
- Wide range of options are available to further configure the Model 600NW+ to your specific needs

## HAMER Brand Model 600NW+ Belt Feed

- Side slide-out belt feed allows fast access for cleaning to remove cross contamination issues
- Dual speed VFD controlled belt with an independent cut-off gate ensures accurate filling with each use



## HAMER Brand Model 600NW+ Servo Gravity Feed

- The best built, most accurate servo gravity scale available in the industry
- Delivers consistent fill accuracy and reduces maintenance
- Excels in demanding environments with corrosives and abrasives



DESIGNS THAT ARE SIMPLE, ROBUST AND EASY TO MAINTAIN

## BAG SEWING

Our line of innovative bag sewing equipment ranges from cost effective, simple hand-held portables to state-of-the-art, high-speed sewing systems. We offer a full line of accessories, including bag-top folders, thread, bag coders, tape break detectors and conveyors. Whether your application calls for plain or tape sew, nVenia has engineered a solution that will surpass your expectations.



FISCHBEIN BRAND  
F-SERIES HANDHELD PORTABLE

### Small Volume Bagging

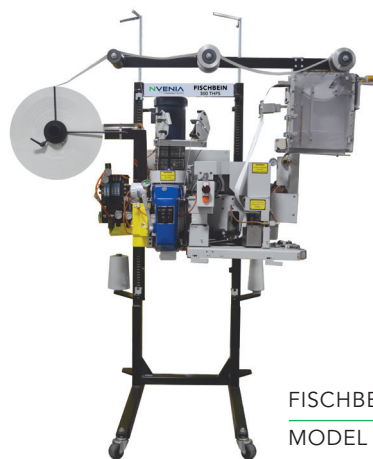
- Our FISCHBEIN Brand F-Series portable bag closer is designed for small volume (4-8 bpm) bagging applications
- These lightweight portable bag closers work with virtually all bag materials and are available in both plain and tape sew models



FISCHBEIN BRAND  
EMPRESS SERIES SEW HEADS

### Heavy-Duty Sewing Heads

- FISCHBEIN Brand Empress Series sewing heads are designed for medium and high-volume bag closing operations
- Low noise/vibration, quick thread, and tape cutting systems ensure maximum productivity
- Heavy duty precision components allow our sewing heads to perform in the toughest working environments



FISCHBEIN BRAND  
MODEL 500THPS SYNCHRONOUS SEW SYSTEM

### Synchronous Sewing

- Our synchronous sewing systems will close virtually all bag types
- Can be easily integrated into any bagging line
- All nVenia sewing systems are built on a low-vibration, height-adjustable pedestal with casters, providing full mobility
- Additional equipment includes taggers, trim removal systems, and conveyors

## BAG SEALING

FISCHBEIN Brand bag sealing machines are known for their durability, compact design and innovative features which include safe low-voltage control panels, over-temperature shutdown sensors, variable speed drives, bag jam detection and high efficiency heaters that reduce energy requirements.



FISCHBEIN BRAND  
MODEL B5000 BAND SEALER

### Plastic Bag Band Sealers

- Designed for high speed and high production industrial bagging operations closing heavy weight polyethylene and polypropylene gusseted bags, pillow bags, and pouches at up to 100 linear feet per minute
- Ideal for producing a high quality, aesthetically pleasing bag top seal
- The B5000 Band Sealer features five heater banks in two separate sections that can be selectively enabled and disabled



FISCHBEIN BRAND  
MODEL PBC 6000 PINCH BAG CLOSER

### Paper Bag Sealers

- Our FISCHBEIN Brand PBC 6000 is a heavy-duty sealer producing sift resistant bag closures of products ranging from food additives, and pet food, to pesticides and fertilizers in pinch style paper bags
- A variable speed, direct drive system provides greater production on automated lines, sealing up to 75 linear feet per minute
- A patented breakaway design eliminates costly downtime caused by big jams, while allowing easier access for cleaning and service

### Plastic Bag Hot Air Sealers

- FISCHBEIN Brand hot air sealers are designed for low to high volume bagging operations
- Accommodates a range of bag styles and materials
- Our HAS 300 series offers a high-production solution that efficiently closes polyethylene, laminated polypropylene, foil, pillow-type, and gusseted bags



FISCHBEIN BRAND  
MODEL HAS 300 HOT AIR SEALER



THE MOST  
COMPREHENSIVE  
LINE OF  
OPEN-MOUTH  
BAG SEWING  
SOLUTIONS IN  
THE PACKAGING  
INDUSTRY

## VBA Model Bag Filler

- Our fastest option, capable of achieving up to 20 filled and sealed bags per minute, ensuring efficient bagging operations
- Utilizing an axial bag movement, the VBA Model creates bags from flat or side-gusseted tubular film, minimizing cycle times and maximizing throughput
- Ideal for accurately dispensing a broad array of both freely and poorly flowing materials, including agricultural products, building materials, and animal feeds



## VLA Model Bag Filler

- The nVenia VLA Model utilizes axial bag movement for impressive bagging rates of up to 17 bags per minute on pre-made open mouth bags
- Equipped with a scale (gravity, vibratory, belt, or horizontal auger fed) or a volumetric filler, the VLA Model offers flexibility in filling various types of bags including PE, PE-lined paper, and laminated poly woven, with or without gussets
- With complete control over the bag top during the fill and seal process, the VLA ensures a consistent seal on every bag, requiring less headspace in the bag after filling
- Designed for ease of integration with a roll stock bagging option

## VLR Model Bag Filler

- Fully automatic unit capable of weighing, filling, and sealing up to 15 bags per minute, offering efficient bagging solutions
- Equipped with gross or net weigh scales and various feeding methods (gravity, vibratory, belt, or horizontal auger), the VLR Model accommodates a wide variety of pre-made open mouth bags, including paper, plastic, or poly-woven materials, with options for gusseted and non-gusseted styles
- Offers flexibility in bag sealing methods, allowing for the incorporation of multiple sealing techniques (such as sewing and pinch-top) in a single machine



THE INDUSTRY  
STANDARD FOR  
OPEN-MOUTH  
BAG SEALING



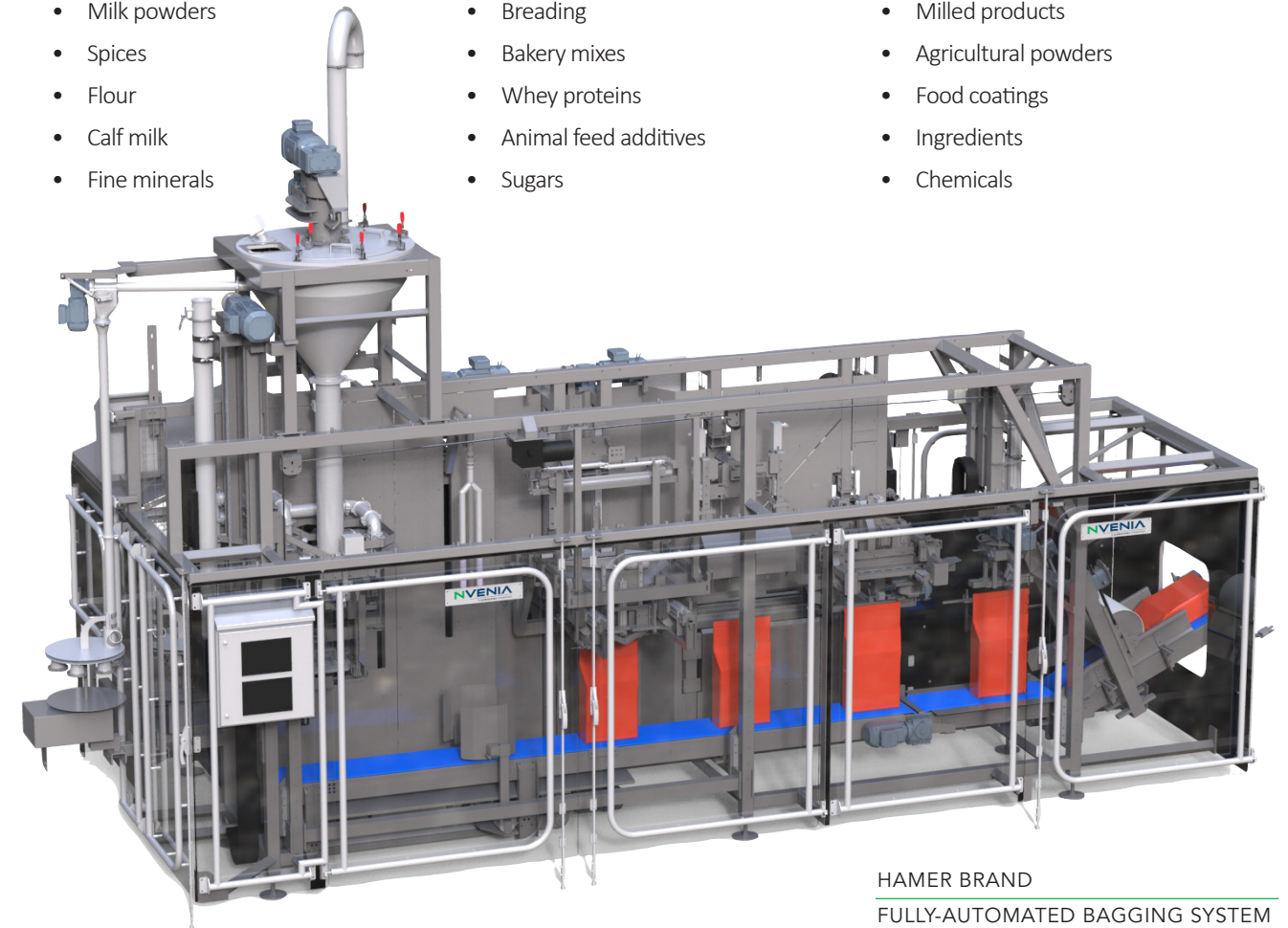
Automatic Bagging System for Powders

- The HAMER Brand VLR-B Industrial Powder Filling machine is designed to address the challenges of bagging these products in a cost-effective and reliable manner
- In the complex world of powder filling, nVenia has simplified the operation and maintenance without sacrificing speed and accuracy
- The machine delivers accurate and repeatable weighments while minimizing the production of airborne particulates and dust
- Delivers full automated bag filling, de-aeration, inner bag sealing, and outer bag closing in a single machine
- Provides highly accurate dosing of free-flowing powdered products
- A single operator can run multiple lines, freeing up to five labor resources for other value-added activities



Package a variety of powders into large open-mouth bag types, including polyethylene, laminated polypropylene and paper with sealable polyethylene liners. Easy to use touch-screen controls can be programmed for up to 500 recipes.

- Milk powders
- Spices
- Flour
- Calf milk
- Fine minerals
- Breeding
- Bakery mixes
- Whey proteins
- Animal feed additives
- Sugars
- Milled products
- Agricultural powders
- Food coatings
- Ingredients
- Chemicals



REVOLUTIONIZING  
POWDER FILLING  
WHERE EFFICIENCY  
MEETS PRECISION

The nVenia family of open-mouth bagging machines continues to expand. This is attributed to the reliability and performance of these machines in the most demanding environments. Their broad versatility allows many types of products to be bagged, such as animal feed, food, agricultural seed, minerals, and chemicals. A variety of open-mouth bags are acceptable, including poly, poly woven laminate, paper, paper/poly lined, pillow side gusset or pinch style.



## HAMER Brand Model 1200 BH

- The Model 1200 BH Bag Hanger provides consistent and reliable bag hanging for a wide variety of pre-made open-mouth paper, woven polypropylene, and polyethylene bags
- When integrated with a bagging scale – automatically picks an empty bag from the stack, individually indexes each bag and then positions the bag on the filler spout
- With a focus on electric servo and VFD actuation, the 1200 BH single bag indexing is a significant improvement over traditional bag hangers
- Equipped with heavy-duty industrial construction, powder coated frame for long life in demanding environments

## HAMER Brand Model 3597

- Our HAMER Brand fully automated 3560 and 3597 Bag Pro systems offer comprehensive primary and secondary solutions capable of processing a wide range of bag styles and structures
- Designed for open-mouth bagging of free-flowing products
- Our products come standard with an Allen-Bradley CompactLogix PLC and full-color PanelView HMI
- The Bag Pro series offers a complete, high-performance solution for your bagging needs



## HAMER Brand Model 3603

- The Model 3603 provides fully automatic bag hanging and transfer for pre-made open-mouth gusseted style, multi-wall paper and paper pinch bags
- Automatically picks and positions the empty bag on the filler spout, fills the bag with product, and immediately guides the bag to the filler spout where the final bag filling and weight are made
- Integrated with an auger filling system and can handle a wide variety of powder products
- Product change-over is fast, easy, and safe thanks to advanced touch screen controls and motorized adjustments



SUPERIOR  
PERFORMANCE

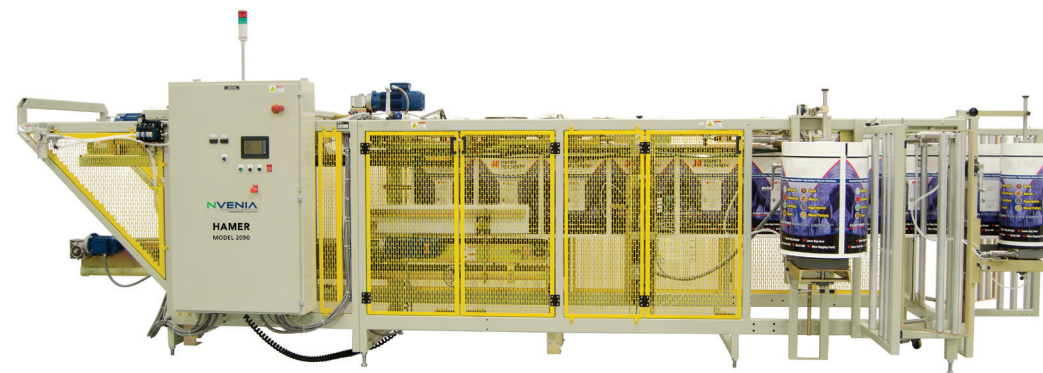
INNOVATIVE  
DESIGN

ADVANCED  
TECHNOLOGY

## FORM, FILL, SEAL LEADERSHIP

More than 30 years of Innovation,  
Dependability, and Versatility

Large Format Horizontal Form, Fill & Seal bagging automation was introduced by HAMER Brand over three decades ago. Today, nVenia is the most trusted in large format Horizontal Form, Fill & Seal automation. With over 2,800 machine installations in 17 countries, supporting 40+ applications, HAMER Brand innovation, dependability and versatility are the world standard.



### HAMER Brand Model 2090

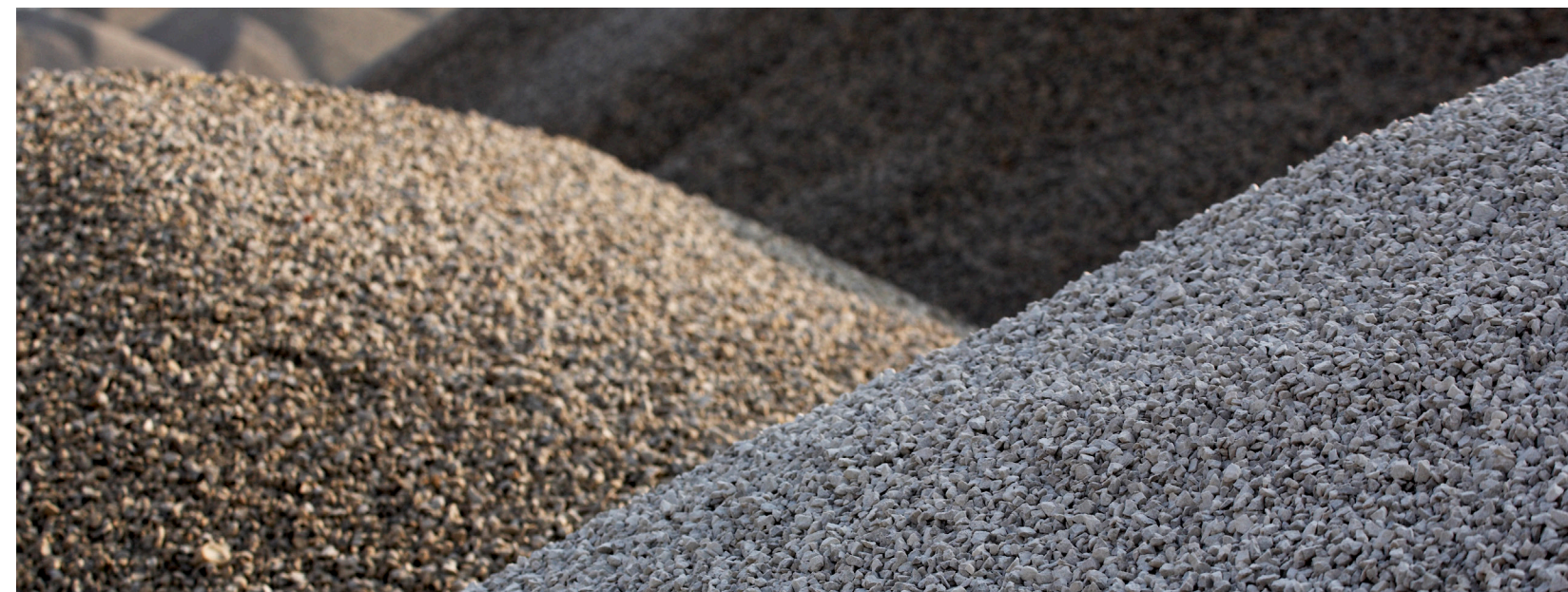
- Our HAMER Brand Model 2090 packaging system is the most capable and flexible industrial Form, Fill & Seal bagging machine available
- Extensive customer focused design actions have improved machine up time and reduced maintenance costs by up to 60%
- It's high speeds, easy operation, and simple maintenance make the Model 2090 the industry's first choice for reliable bagging automation



### HAMER Brand Model 3100ex

- Our HAMER Brand model 3100ex is designed for extreme duty automated bagging
- Built specifically for the most difficult products in demanding environments
- Ideal for mining, minerals, corrosives, and aggregates packaging, the Model 3100 ex offers longevity and high speed
- The Model 3100ex can be utilized as a stand-alone packaging machine or integrated into a fully automated packaging line

DESIGNERS,  
MAKERS AND  
INTEGRATORS  
OF HIGHLY  
ENGINEERED  
PACKAGING  
EQUIPMENT





## ROBOTIC PALLETIZERS

Low maintenance, high productivity robotic palletizing solutions are the key to improving product presentation, reducing labor and improving bagging plant throughput. nVenia engineered palletizing solutions feature industrial 4 or 5 axis, servo-driven robotic arms with load capacities of 80 to 190 Kg. Heavy-duty End of Arm Tooling (EOAT) holds up to the demands of industrial, large bag automation in a wide variety of demanding environments. nVenia's proprietary EasyPic™ HMI ensures operators of all skill levels can effectively run these systems. System designs include simple single in-feed lines, single stack semi-automatic applications for lower production facilities, and highly engineered multiple in-feed, fully automatic systems for high speed, complex automation solutions.



### Integration Leadership

nVenia is the leading Yaskawa and Fanuc palletizer integrator in North America. Both Yaskawa and Fanuc robotics offer outstanding service, high quality industrial robot designs, and competitive pricing due to their worldwide leadership. Our HAMER Brand palletizing solutions offer the most durable, highest quality palletizing systems available, while ensuring the best return on your automation investment. Dedicated, customer focused engineering, production and service teams are highly trained and focused on providing the best in palletizing solutions. Toll free telephone support, same day/next day parts availability, and a team of support staff are dedicated to ensuring every installation runs smoothly and to supporting every system in its daily operation.

PROVIDER  
OF THE BEST  
PRODUCTS,  
SOLUTIONS,  
AND SERVICE  
QUALITY IN  
EVERY MARKET  
WE SERVE

## CONVENTIONAL PALLETIZERS

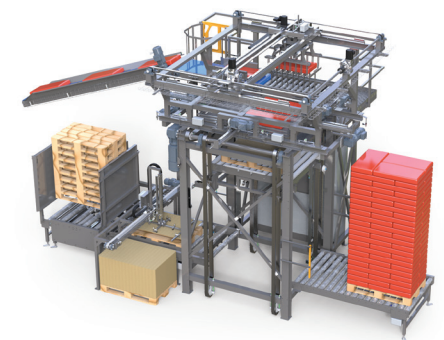
### VPB/VPB-K Cross Stacking Palletizer

- The VPB palletizer is a high-speed solution with a rotary head capable of feeding up to 25 bags per minute, ensuring efficient stacking of bags, boxes, and crates onto pallets
- With a specially designed rotary head and a display interface featuring graphical representations, adjusting stacking patterns is straightforward, while optional equipment like stacking boxes ensures compliance with pallet size specifications



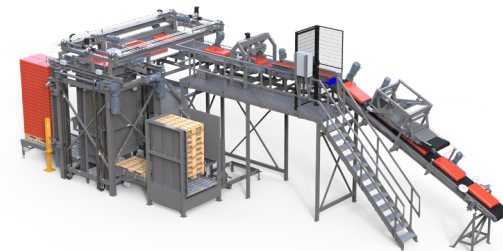
### VPG Cross Stacking Palletizer

- Features a specialized gripper for cross-stacking bags onto pallets, efficiently arranging up to 15 bags per minute in layers, ensuring stability and space optimization
- With a user-friendly display interface, the system offers flexibility to adjust layer configurations easily, accommodating diverse bag sizes and stacking requirements, ensuring versatility in operation



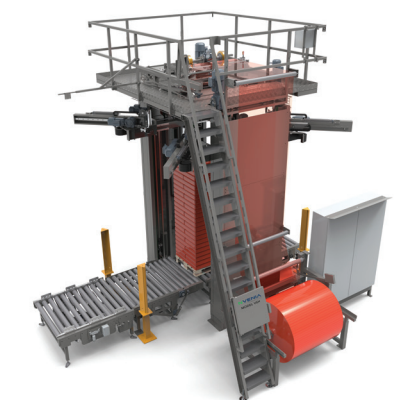
### VPC Conventional Palletizer

- The VPC Palletizer arranges bags into precise patterns using sliding and rotating movements, capable of handling up to 30 bags per minute, ensuring meticulous stacking
- Each layer is carefully stacked and compressed to create a perfectly stable pallet. The pallet is fully pressed against the sliding table's bottom for optimal stability and alignment, enhancing overall efficiency in the pallet stacking process



### VSH Stretch Hood Palletizer

- The VSH Stretch Hooder machine offers the optimal solution for pallet covering needs
- Utilizing specialized techniques, it provides ultimate protection for palletized products
- Ensures safe and secure transit, unaffected by temperature variations, humidity, or pallet quality



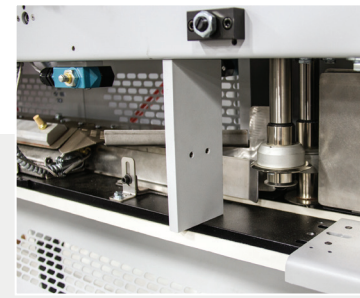
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# CUSTOMER CARE

# Building partnerships. Maximizing value.

 <b>SERVICE PLANS</b>	 <b>SERVICE PLANS</b>	 <b>TRAINING</b>
 <b>SERVICE PLANS</b>	 <b>UPGRADES AND RETROFITS</b>	 <b>REMOTE MONITORING</b>
 <b>PRODUCTIVITY PROGRAMS</b>	 <b>CUSTOMER CARE PROGRAMS</b>	 <b>SERVICE PLANS</b>
 <b>SERVICE PLANS</b>	 <b>PROJECT MANAGEMENT</b>	 <b>LOCAL SERVICE GLOBAL NETWORK</b>



## On-Site and Remote Services

Our technical service team is skilled at diagnosing issues and taking corrective actions to minimize operational interruption. nVenia offers both on-site trouble shooting and remote diagnostics to ensure machine optimization, minimized costs, and a quick return to peak productivity.

## Preventative Maintenance and Training

We perform routine machine audits and have preventative maintenance initiatives to enhance the performance and longevity of our equipment. nVenia certified technicians offer multiple levels of training programs to increase the customer's level of expertise on their equipment. These programs can be performed at our facility or at the customer's location.

## Innovation. Durability. Commitment.

At nVenia, we not only build machines, we build relationships. We are invested in our equipment and our customers. We forge partnerships that last for the duration of our products' life-cycles.

We rigorously pursue high-quality, innovative packaging technologies with comprehensive aftermarket products and support. We are committed to staying close to our customers and to responding to their needs.

A tradition of innovation, trust and durability has enabled us to build a rich history that spans over a century.



## Parts Availability

nVenia maintains a large spare parts inventory- engineered and manufactured to our exact specifications. As customers continue to streamline operations and reduce maintenance staffing, using genuine nVenia spare parts will keep your production line performing at optimal condition. Accurate and timely delivery of the correct parts is key to minimizing downtime.



OUR PRODUCTS  
WORK HARD.  
OUR PEOPLE  
WORK HARDER



# NVENIA

A DURAVANT COMPANY

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FOOD SORTING & HANDLING | PROTEIN PROCESSING | PACKAGING | MATERIAL HANDLING

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