





ABOUT US

With over 60 years of experience, VIRO EPS SYSTEMS has established itself as a leading supplier and trusted partner for Expandable Polystyrene (EPS) converters worldwide. Our core philosophy is defined by progress and tradition; we work closely with processors across the globe to drive the continuous development of machinery that enhances production efficiency and profitability. We specialize in the design and manufacturing of a complete range of fully automated solutions for the EPS, XPS, PUR/PIR, and Mineral Wool industries. By combining innovative technology with a sharp focus on sustainable production, we deliver high-quality machinery and tools that enable our

customers to optimize output while meeting

specific budget targets and project requirements.

Our expertise is built on a rich and distinguished legacy. Drawing on the history of WIESER, an industry benchmark since 1958, and VIRO, founded in 1964, our companies have successfully combined their expertise under the VIRO EPS SYSTEMS brand since 2004 .Our expertise rests on a strong legacy. VIRO's journey began 1964 here in Slovenia, in a Ljubljana workshop founded by Vili Rotter, where the company evolved from producing packaging technology. This spirit of innovation accelerated under the leadership of Damjan Rotter, who guided the development of our first automatic EPS processing line and our diversification into the XPS and stone wool markets. Today, from our headquarters here in Logatec, that deep tradition fuels our powerful commitment to quality and sustainable development, as we blend our history with a clear vision for the future of your production.

EPS AND THE ENVIRONMENT

EPS consists of 98% air, making it one of the most efficient and resource-friendly insulation materials available today. Its outstanding thermal performance reduces energy consumption in buildings and helps lower CO₂ emissions. EPS is also 100% recyclable and completely free from CFCs and HCFCs.

VIRO EPS-SYSTEMS contributes to sustainability by providing advanced recycling solutions that enable converters to efficiently process EPS waste back into valuable raw material.

Excellent Processing Solutions





EPS: PEARL OF PLASTICS

EPS (Expandable Polystyrene) is a lightweight, rigid, plastic foam insulation, produced from solid polystyrene beads. Expansion is achieved by incorporating small amounts of pentane gas, dissolved into the polystyrene beads as a blowing agent during production. When exposed to heat, in the form of steam, the gas expands to create perfectly closed EPS cells, which can reach up to 40 times the volume of the original polystyrene bead. Once expanded, the EPS beads are molded into forms suited to their specific applications.

EPS APPLICATIONS

- · Exterior Insulation boards (EIFS)
- Insulated Concrete Forms (ICFs)
- Structural Insulation Panels (SIPS)
- Sandwich Panels
- Pipe insulation shells
- · Fillers for concrete (void foam)
- Geofoam
- Floatation devices
- · Architectural profiles (cornices, columns, pillars)
- Packaging solutions
- Seedling trays
- Containers, cups and trays



EPS MANUFACTURING

The production of Expandable Polystyrene (EPS) allows five essential stages that transform raw granules into high-quality insulation boards, packaging solutions, and customized EPS products.

1) PRE-EXPANSION

Polystyrene granules are expanded by direct exposure to steam, forming larger beads made up of non-interconnecting cells.

2) CONDITIONING

After expansion, the beads still contain small amounts of condensed steam and pentane gas. As they cool in the silos, air gradually diffuses into the pores, partially replacing these components.

3) MOULDING

The beads are molded into blocks, boards, or customized products. The mold shapes and holds the pre-foam while steam is applied once again to promote expansion. During this process, the steam fuses each bead to its neighbors, creating a homogeneous final product.

4) SHAPING

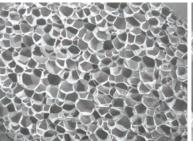
After a short cooling period, the molded block is removed from the machine. Following additional conditioning, it can be cut or shaped as required using hot-wire elements or other suitable techniques.

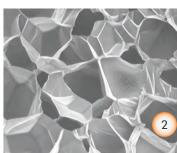
5) POST PRODUCTION PROCESSING

The finished product can be laminated with foils, plastics, roofing felt, fiberboard, or other facings such as roof and wall cladding materials, as well as cement- or polyurea-based coatings.



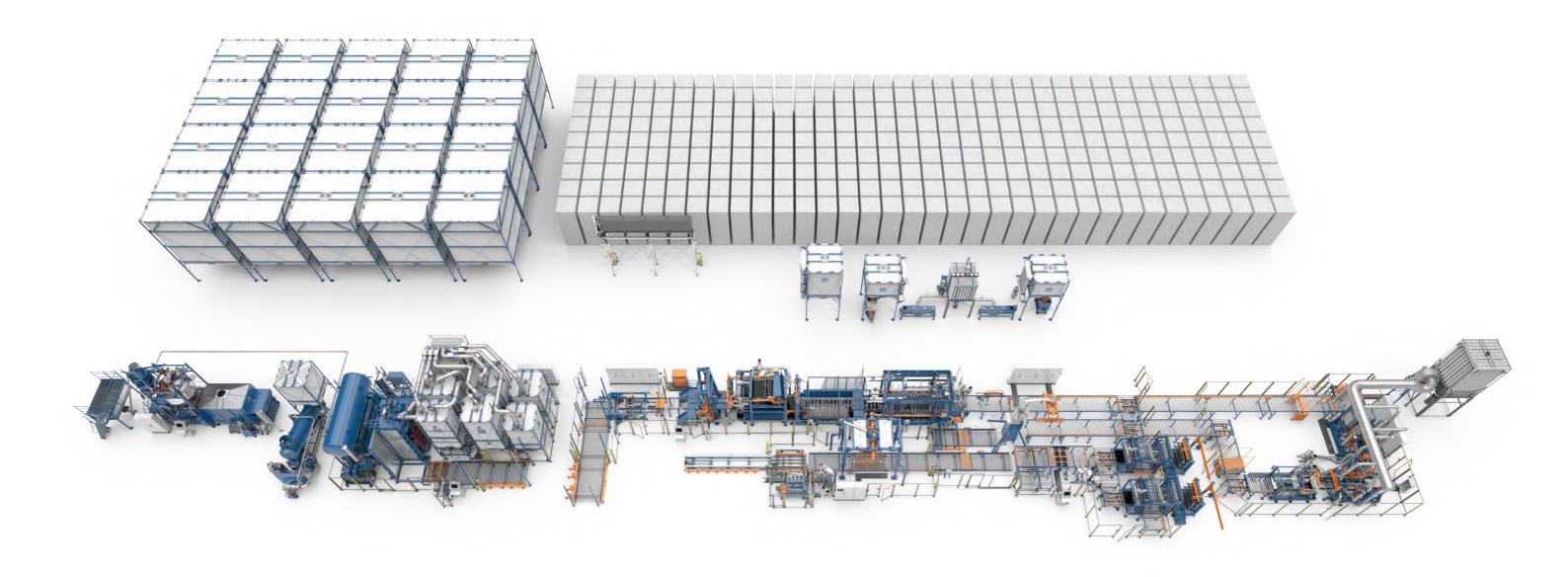






EPS MACHINERY

TURN-KEY PLANTS



TYPICAL EPS PRODUCTION

- Steam plant, accumulator, air compressor
- Preexpander VPX
- Silo plant
- Mixing systems
- Vacuum Blockmould TNG
- · Automatic block storage system

- Cutting line FOAMLINE HVQ
- Automatic scrap removal system
- Recycling plant
- Packaging machine
- Handling system VIRO-BOT
- Bale wrapping system

ADVANTAGES

- High productivity through optimized plant logistics and design
- Low production and life-cycle costs with high-quality equipment and utilities
- Fast return on investment achieved through efficient project execution
- Fully automated systems with all required peripherals included for seamless operation
- On-site commissioning and operator training
- Equipment with the required peripherals
- End-to-end plant solutions from a single supplier

SILO PLANT PREEXPANDER BLOCK MOULD RECYCLING CUTTING LINE PACKING LINE













PREEXPANSION SYSTEM

Preexpander VPX



COMPONENTS

- Raw material auger feed screw
- Raw material loading and storage station
- Conical foaming vessel design
- Bottom discharge system for fast material flow
- Frequency-controlled agitator
- Vibrating sensors for detecting grey material
- Fluid-bed dryer with large access door for easy maintenance
- Lump crusher to prevent material blockages in the pipes
- · Automatic density control unit

FEATURES

- Electronic weighing system
- · Conical foaming vessel with wedge-wire base
- Fast material discharge through bottom butterfly door
- Enlarged discharge opening compared to conventional systems
- Easy maintenance access
- Frequency-controlled agitator
- Fluidized bed with Z-segment drying floor
- Digitally controlled steam and air regulation valves

ADVANTAGES

- High-quality bead expansion
- Tolerance within ±1% through continuous monitoring
- · Wedge-wire screens for uniform steam distribution
- · Consistent density distribution across each batch
- Precise target density repeatability
- Shorter cycle times compared to traditional systems
- Optimized raw material utilization
- Reduced energy consumption with unique steam and vapor recuperation

CAPACITY AT DENSITY: 12,0 - 12,5 g/l

Useable volume

Steam plate

650 - 775 kg/h 1.300 - 1.550 kg/h 2.210 - 2.635 kg/h 2.990 - 3.565 kg/h 14,0 - 16,0 g/l 825 - 1.000 kg/h 1.650 - 2.000 kg/h 2.805 - 3.400 kg/h 3.795 - 4.600 kg/h 1.000 - 1.150 kg/h 2.000 - 2.300 kg/h 18,0 - 21,0 g/l 3.400 - 3.910 kg/h 4.600 - 5.290 kg/h 1.375 - 1.600 kg/h 2.750 - 3.200 kg/h 6.325 - 7.360 kg/h 22,0 - 25,0 g/l 4.675 - 5.440 kg/h

 $3.5 \, \text{m}^3$

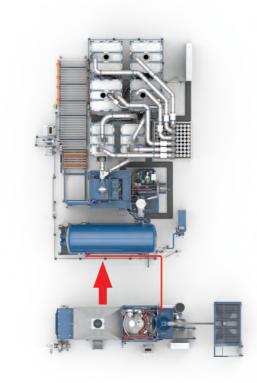
1.200 mm

ENERGY SAVING CONNECTION TO VACUUM SYSTEM

PREEXPANDER TYPE: VPX - 1500 VPX - 3500

1,5 m³

800 mm



OPTIONS

- Multi-Pass Unit VMP
- · Conti Preexpander for second pass
- · High Density Unit VHD
- **Energy Recuperation System**



VPX - 5500

5,5 m³

1.200 mm

VPX - 7500

7,5 m³

1.200 mm

LEVEL CONTROL



MULTI PASS CONTI PREEXPANDER

SECOND EXPANSION





FILLING SYSTEM



UNIQUE MATERIAL DISCHARGE SYSTEM



OCTABIN LOADING STATION







BLOCK MOULDING SYSTEM

Blockmould TNG



HIGHLIGHTS

- · Excellent density gradient
- · Low residual moisture content
- Perfect fusion
- High-capacity output
- · Energy-efficient and ECO-friendly operation
- Unique screen assembly system
- PID and temperature controlled steam flow
- · Machine body rated according to P.E.D. 2014/68/EU
- SIEMENS Scada PLC S7
- · HMI touch screen

FEATURES

- Fully adjustable block size
- Compression for elastification
- Block weight monitoring and control
- Graphic user interface
- Recipe management
- Steam consumption measurement
- Steam temperature control

AVERAGE CAPACITY

16 g/h up to 18 blocks/hr up to 16 blocks/hr 20 g/h 24 g/h up to 15 blocks/hr 32 g/h up to 13 blocks/hr Based on average block size of 4 x 1.2 m, depending on raw material quality

ADVANTAGES

- No cooling water consumption
- Eliminates the need for hot and cold-water tanks
- Eliminates costs for chemical additives
- · Minimizes water oxygenation compared to traditional open
- · No risk of water freezing in the cooling tower
- No water evaporation
- · No steam released into the environment
- · No roof emissions and noise
- Narrow density gradient
- Reduced downtime for screen cleaning
- Fewer cleaning cycles
- Preheats boiler feed water (water/water heat exchanger)
- Provides plant heating during winter (water/air heat exchanger)
- Heats and ventilates the silo room (water/air heat exchanger)
- Exhaust air cleaning cyclone

OPTIONS

- Closed-loop vacuum system
- Rear wall adjustment
- Density correction system
- Hydraulic elastification system
- Bottom plate adjustment
- · Block weighing system
- Inkjet printing system
- Production reporting package





SCREENS







FAST SCREEN ASSEMBLY DEEP STEAM CHAMBERS



VACUUM SYSTEM



COOLING SYSTEM



ADJUSTABLE WALL



ADJUSTABLE BOTTOM



FILL GUN



CLASSIC CUTTING LINE



A fully automatic cutting line for the high-speed production of insulation sheets, delivering excellent surface quality.

TYPICAL CONFIGURATION

- Block magazine with motorized tilter and center alignment
- Sheet cutting frame "H.OSC" with 81 wires
- · Automatic top and bottom scrap removal system
- Trimming station "V" with 2 side trimming wires and optional center wire
- · Fast forward conveyor
- · Length cutting station "Q"
- · Material discharge conveyor

HIGHLIGHTS

- HMI touchscreen interface
- Block detection sensors
- · Air cooling of exposed wire ends
- High production capacity
- · Cooling of exposed wire end
- · Block motion detectors

ADVANTAGES

- Optional customizable modular and compact design
- Accurate and high-speed cutting using high-temperature titanium alloy wires and strong spring-tensioning system

OPTIONS

- Automatic wire setting
- · High-speed single-frame oscillation
- · Wire break detection and control
- Automatic scrap removal system for top, bottom, and side sections
- Autopilot
- Suction hoods

Cutting frame H.OSC

Single frame oscillation

FEATURES

- · Built in well welded heavy duty steel frame
- · Linear bearings with inflatable seals for accurate wire positioning
- Antifriction chain conveyor for material transport
- · Optical sensors for recognition of white and black material
- Stairs on both sides for easy maintenance
- · Cutting wire type R41 for extra strong wire tension
- Stroke 10 mm
- Up to 400 strokes/min
- Automatic wire setting







BOTTOM SCRAP

REMOVAL





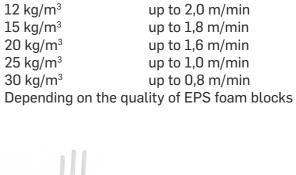




HEAT CONTROL UNIT







CUTTING SPEEDS



HIGH END CUTTING LINE

Foamline HVQ PRO

Fully automatic cutting line designed for the high-speed production of insulation sheets, delivering outstanding surface quality.

TYPICAL CONFIGURATION

- · Block magazine with motorized tilter and center alignment
- Sheet cutting frame "H.OSC-2" with up to 100 wires with counter frame oscillation
- · Automatic top, bottom and side scrap removal
- Trimming station "V" with 2 side trimming wires and an optional center wire
- Fast forward conveyor
- · Lenght cutting station "Q"
- · Material discharge conveyor

HIGHLIGHTS

- HMI touchscreen interface
- Motion detectors
- · Air cooling of exposed wire ends
- High production capacity
- · Cooling of exposed wire end
- · Block motion detectors
- · Automatic wire setting

OPTIONS

- · Exchangeable prebreaker system for white and gray EPS
- Autopilot
- · Wire break detection and control
- Suction hoods

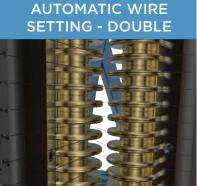
ADVANTAGES

- Ultimate performance and high-capacity
- Excellent quality of the final product
- · Highest level of automation available
- Advanced software for material and production management
- SIEMENS Simatic PLC S7

Cutting frame H.OSC-2 Counter oscillation frame

FEATURES

- · Number of wires per frame: 50 pcs.
- Wire diameter: 0,3 or 0,4 mm
- · Fixed frame inclination: 10 degrees
- Minimum sheet thickness: 10 mm
- · Automatic wire setting
- Springs, wire holders, and contactors
- Selective wire cooling system
- Independent heat and speed adjustment
- · System for inclined wire setting
- Oscillation system "H.OSC-2"



TOUCH SCREEN



SIDE SCRAP



DOWNCUTTER

EXCHANGABLE TOP PREBREAKER SYSTEM



EXCHANGABLE BOTTOM





CUTTING SPEEDS

up to 2,5 m/min

up to 1,8 m/min

up to 1,6 m/min

up to 1,0 m/min

up to 0,7 m/min

Depending on the quality of EPS foam blocks

12 kg/m³

17 kg/m³

20 kg/m³

25 kg/m³

30 kg/m³

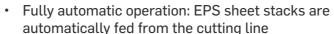
4 SIDE PACKING MACHINES

PPZ 1300

- · Semi-automatic operation
- · EPS sheet stacks are loaded manually.
- Packing capacity: up to 5 bundles (0.25 m³) per minute depending on operator
- Loading from left or right
- · Drive system for pushing bundles through the
- Welding system for PE film (top and bottom)
- · Integrated conveyor belt for bundle discharge
- PLC-controlled cabinet







- minute

- Motorized unwinding system for the top film coil
- Drive system for pushing bundles through the film
- Pre-stretching system for PE film
- Welding system for PE film (top and bottom)
- Integrated discharge conveyor belt





- Packing capacity: 8-10 bundles (0.25 m³) per
- Integrated roller conveyor
- Top and bottom film holder for 3 PE film coils

- PLC-controlled cabinet



MAIN COMPONENTS

- · Bag former
- · Welding system for PE film with automatic-folding unit
- · Loading conveyor with an automatic feeder
- · System for perforating film before wrapping
- Film magazine for AFP-1200
- Film coil magazine
- · Heat shrink tunnel
- Suitable for XPS/EPS bundle dimensions (manually adjustable):

1.000 - 3.000 mm 500 - 1.250 mm Width: Height: 350 - 500 mm

WRAPPING MATERIAL

- PE film without regrind, with slip additive
- Thickness: $40 60 \mu m (\pm 5\%)$
- Film shrinkage by width: 40%
- Film shrinkage by length: 70%

OPTIONS

- Fast film changing system
- · Film end detector
- Labeling unit
- Ink-jet marking

ORBITAL WRAPPER

OW - 1500



Max ring speed: 50 rpm

Spool carriage and stretch film dispenser

Support driven conveyor

Siemens Simatic PLC S7

Suitable for EPS bundle

min 500 mm Length: 450 - 1.200 mm Width: 1.250 mm Height:





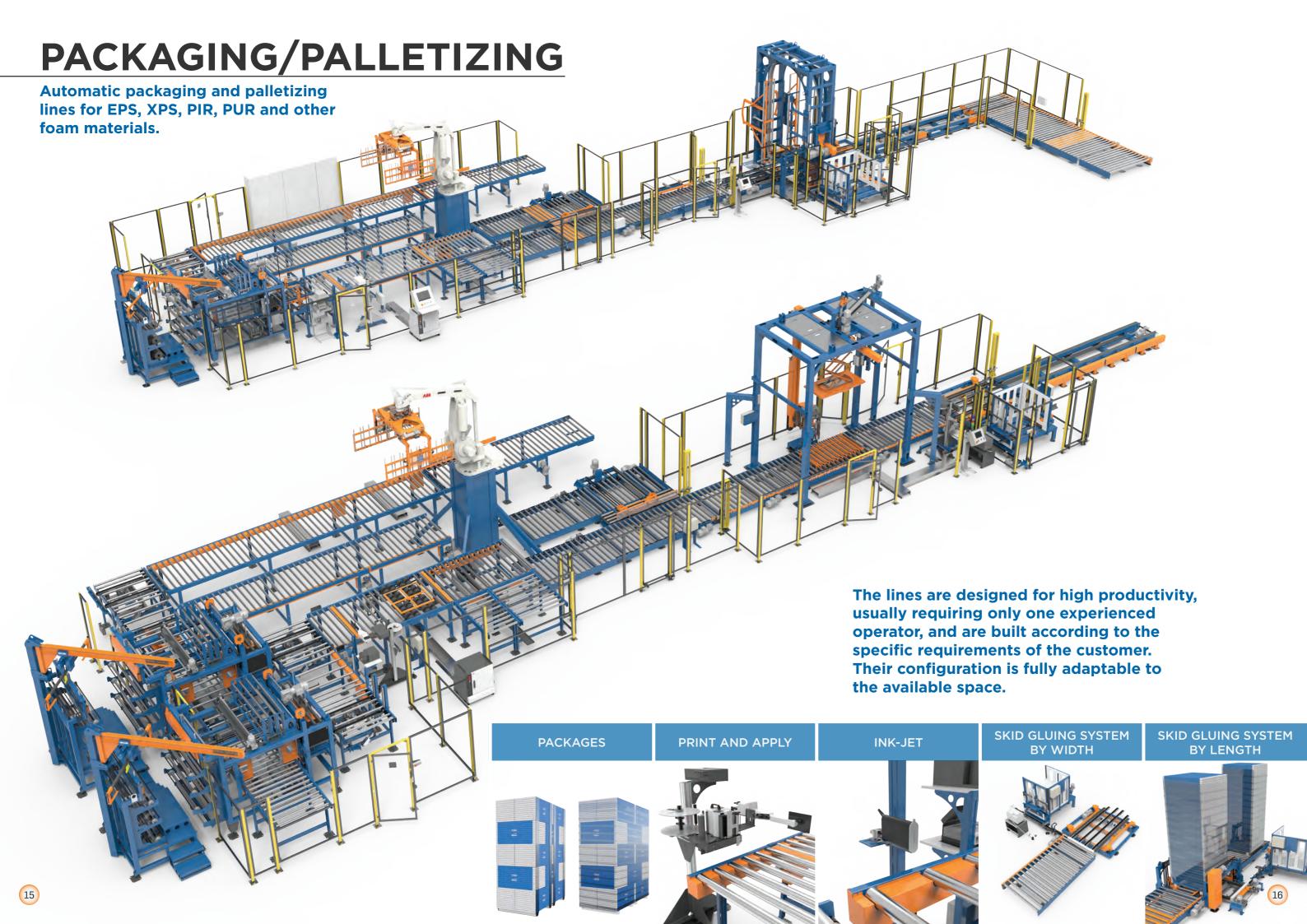
PPZA Inline

· Fully automatic in-line operation: stacks of EPS sheets are loaded directly from the cutting line

 Packing capacity: 8–10 bundles (0.25 m³) per minute

OPTIONS FOR AUTOMATIC MACHINES

- Fast film changing system
- · Film end detector
- · Labeling unit
- Ink-jet marking
- Bundle flipping station
- Bundle rotating station with a discharge conveyor



VERTICAL BALE WRAPPER

HORIZONTAL BALE WRAPPER

Stargate





COMPONENTS

- Solid steel frame construction
- Rotating film carriage with mechanical brake
- · Welding system to seal film ends to the pallet
- Automatic film clamping and cutting system
- · Control panel with integrated PLC

OPTIONS

- · Automatic skid cutting and feeding unit
- Automatic labeling unit
- Wooden pallet magazine and dispenser

PRODUCT SPECIFICATIONS

Length: 1.000 / 1.500 / 2.000 / 2.500 mm

Width: 1.000 - 1.300 / 2.500 mm

Height: 2.000 / 2.500 / 3.000 mm

Capacity: up to 40 bales per hour with 2 skids

per pallet

HIGHLIGHTS

- · De-stacking of sheets before packaging
- Removal of scrap and rim sheets
- · Bundle stacking into bales for palletizing
- Matches the throughput of high-speed cutting lines.
- Enables retrofitting into existing production lines

VIRO-BOT

- Reduces labor costs and optimizes floor space
- · Guarantees precise sheet counts every cycle



OPTIONS

- Automatic skid cutting and feeding unit with hot melt gluing
- Automatic labeling unit
- Automatic pallet height detection with photocell sensor
- Wooden pallet magazine with automatic dispensing

COMPONENTS

- Solid steel frame construction
- Powered rotating arm
- Stepless rotation speed adjustment (rpm)
- · Automatic film clamping and cutting system
- Welding system for sealing film ends to the pallet
- Description seating numerical to the
- Powered film pre-stretching
- Bale lifting station to wrap bottom edges
- Motorized down holder from the top
- · Safety-limit switch on access door
- Touchscreen control panel with integrated PLC

PRODUCT SPECIFICATIONS

Length: 1000 / 1500 / 2000 / 2500 mm Width: 1000 - 1300 / 2500 mm Height: 2000 / 2500 / 3000 mm

Capacity: up to 40 bales per hour with 2 skids

per pallet

CONTOUR CUTTING LINE

CUTTING SPEEDS

10 kg/m ³	2,0 m/min
15 kg/m ³	1,6 m/min
20 kg/m ³	1,2 m/min
25 kg/m ³	0,8 m/min
30 kg/m ³	0,5 m/min

TYPICAL CONFIGURATION

- · Block magazine motorized tilter
- Length cutting station "G" guillotine
- Horizontal cutting frame "H" 1.300 x 1.350 mm
 41 horizontal wires for contour cutting
 41 stationary, temperature controlled wires
- Bottom and top scrap removal
- Trimming station "V" with 21 vertical wires



GHVX

GUILLOTINE INK-JET PRINTER: DAL-I BLOCK SPLITTER STATIONERY LEADING WIRES

SHEETS, PADS AND SHAPES

StyroDesign XL

Foam-cutters, combi cutters and complete lines.

- Modular system design
- Cutting width: 1.300 / 2.600 / 3.100 mm
- · Stationary cutting wires
- · Independant axis control
- · Automatic scrap removal



FLAT ROOF

StyroDesign BVHS

Fully automatic cutting line production of tapered roof sheets.

TYPICAL CONFIGURATION

- Block loading and alignment
- Pilling-trimming unit
- · Bottom scraps sheet removal
- Guillotine
- Cross conveyor
- StyroDesign with inclination ON/OFF (vertical or inclined)
- Ink-jet marking system
- VIRO-BOT destakcing unit
- Packaging machine
- Stargate horizontal orbital wrapper
- · Automatic skid cutting and feeding unit
- · Discharge conveyor

StyroDesign HS

Foam cutters, combi cutters and complete lines for precise **EPS/XPS** shaping.





STYRODESIGN SOFTWARE

- · User-friendly design interface
- · Nesting function for material optimization
- Integrated cost calculation tools
- DXF file import

FEATURES

- Tapered roof sheet cutting station
- Automatic wire setting system
- Straight and inclined wire cutting capability
- Integrated inkjet marking system

OPTIONS

- Ink-jet printer DAL-I
- · Automatic wire setting unit
- Guillotine block splitter
- Vertical trimming station
- · Banding packaging machine
- · Cross cutter system

StyroPlot

Turntable for 3D shape cutting with software for sequental 3D cutting



FEATURES

- · Material loading table for EPS blocks dimensions: $L 1,0 / 2,0 \times B 1,0 / 2,0 \times H 1,5$
- VIRO ROOFER program for flat roof products: tapered boards, roof saddles, hip and valley sheets
- · Tiltable frame for horizontal or vertical cutting
- Option: turntable for automatic production of roof saddles
- Cutting frame with 10 wires
- · Industrial steel frame construction
- Independent X/Y axis control
- · Adjustable alignment for angled cuts
- Control panel with industrial PC (Windows OS)
- · StyroDesign software package included

TAPERED ROOF SHEET

saddle: software automatically

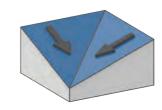
wire to cut the complete set of

sheets

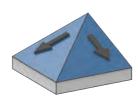
generates the cutting path for one



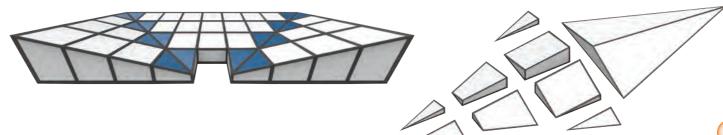
CORNER SHEET VALLEY



CORNER SHEET HIP



ROOF SADDLE



EDGE TRIMMING

Automatic edge-trimming system for shiplap cutting on all four sides, ensuring smooth, clean and highly precise results.

CAPACITY

- Up to 30 sheets/min (50 80 mm thickness)
- Up to 20 sheets/min (100 180 mm thickness)
- Up to 10 sheets/min (200 300 mm thickness) Capacity is based on a board dimensions of 500 x 1.000 mm

PRODUCT SPECIFICATIONS

Length: 1.000 / 1.200 / 2.000 / 2.500 mm

500 / 1.000 / 1.200 mm Width:

Thickness: 50 - 400 mm Overlap max: 10 / 15 / 20 mm

TYPICAL CONFIGURATION

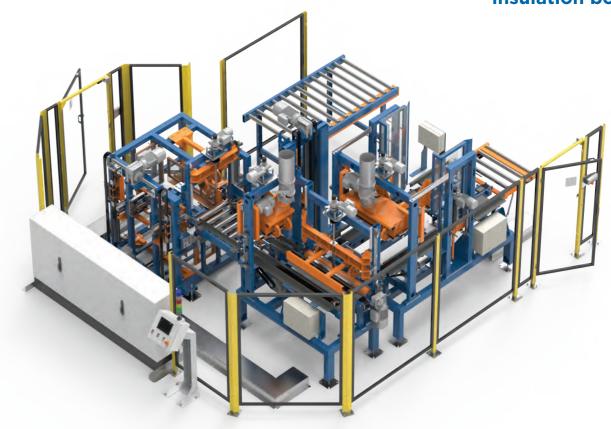
- · Infeed conveyor with destacking station
- Length trimming station
- · Width trimming station
- · Stacking and discharge station

OPTIONS

- · Dust extraction system
- Dust silo ATEX rated

BOARDS GROOVING STATION

Automatic board grooving system with rotating sliting blades for insulation boards.

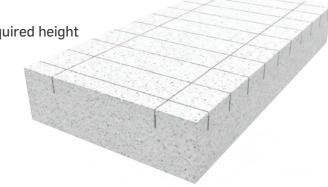


TYPICAL CONFIGURATION

- · Destacking station for separating EPS sheet stacks into single sheets
- · Alignment and cross-cut slitting with multiple saw blades
- · Transport and lengthwise slitting with multiple saw blades
- · Automatic stacking unit for forming EPS bundles to the required height

OPTIONS

- · Dust extraction system
- Dust silo ATEX rated



DESTACKER





BLADE RUNNER





DIMPLE ROLLER



GROOVER STATION







LAMINATING LINE

For EPS insulation products for floor heating panels.

HOT MELT LAMINATOR



- · Hot roller laminating system
- Roll length (depending on factory layout)
- Standard boards: up to 2.500 mm 2 x 1.000 mm
- Production speed: up to 15 m/min for hot-melt system
- Production speed: up to 30 m/min for pre-coated film

ELASTIFICATION

TYPICAL CONFIGURATION

- Loading conveyor for EPS stacks
- Magazine and sheet de-stacking
- Laminating station:
 - Laminator for film without adhesive, using hot-melt glue application
 - Laminator for pre-coated laminating film, activated with hot rollers
- · Slitting-cutting station
- Roll product winding station
- Boards stacking and folding system
- Transfer conveyor for rolls
- Automatic packaging syste
- VIRO-BOT handling system
- Atlantis pallet wrapper
- Skid application unit

EPS WINDING ROLL/SQUARE

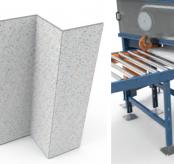
EPS FAN FOLD

SLITTING-CUTTING STATION

WINDING STATION







minimi.







It complies with DES SM and DES SG according to DIN 4108-10 and EN 13163

FOOTFALL SOUND INSULATION

- Pressing stroke: 0 70%
- Pressure: up to 65 tons/m² (depending on EPS density)
- · Capacity: 12 20 blocks/hour

ELASTIFICATION

- Pressing stroke: 0 10 %
- Pressure: up to 20 tons/m² (depending on EPS density)
- · Capacity: 22 30 blocks/hour

TECHNICAL SPECIFICATIONS

- Variable pressing and releasing speed
- Adjustable pressing time
- · Maximum stroke up to 70 % of the EPS block height
- Multiple press cycles
- · Process data stored as recipes

Block Press



MATERIAL MANAGEMENT

Silo Plant



FEATURES

- EPS storage silos made from antistatic, breathable fabric for optimal air circulation
- · Welded and painted steel frame with carbon steel tube and flanges, easy to assemble
- · Access platform with handrails and ladders
- Passive dedusting ventilation for regrind silos
- · Shutters, pneumatic actuators, and switches
- Level control sensors
- · Silo discharge units
- · Junction box and accessory kit for automated or remote silo operation
- · Silo control system with touchscreen operation
- · Connection via bus network with other VIRO equipment

Screw Mix



• Mixing of EPS regrind with virgin EPS beads

- Mixing ratio controlled by blockmould operator
- · Accurate dosing of white, grey, or mixed material

MIXING UNITS

 Fully adjustable scrap refeed rate optionally 0 - 100%

Screw Mix:

- Two silos for virgin and regrind
- · Highly accurate dosing by screws
- Regrind mixing ratio from 0 50 %

Star Mix:

- Up to six silos
- For virgin material W/G
- · Regrind W/G with different densities

Paddle Mix:

- Two silos for virgin and regrind
- Rotary airlocks for mixing 0 50 %
- Highly accurate dosing by paddles

Star Mix



Paddle Mix



DIVERTER

SLIDING DAMPERS

LEVEL CONTROL SENSOR

VIRO AUTOMATIC SILO SYSTEM



SCREW MIX OPTION WITH OR WITHOUT DE-DUSTING



PADDLE MIX













RECYCLING SYSTEMS

PREBREAKER / GRINDER

VBM 1350

Granulation of EPS scrap sheets and parts to reusable bead size.

TECHNICAL SPECIFICATIONS

- Capacity: up to 10 m³/h (depending on density)
- · Slow-moving granulating unit with breaker arms for gentle processing
- 15 kW motor with gearbox
- · Screen mesh: 20 x 20 mm
- Dosing screw for controlled discharge

OPTIONS

- · Cell wheel for coarse regrind dosing
- · Exchangeable screen system

ADVANTAGES

- Less celaning, less downtime
- Less dust, better quality of final product

DEDUSTING SYSTEM

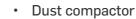


ADVANTAGES

- EPS production generates dust and fines, that guickly accumulate without proper precautions
- Slow-speed granulators, such as the VBM 1350, produce minimal dust
- In combination with the VDD 1300 dust extraction system, overall dust load can be reduced to a minimum
- · Lower dust levels minimize machine downtime for cleaning
- · Clean operation optimizes process stability and efficiency

TYPICAL CONFIGURATION Collecting silo for coarse

- regrind · Metering airlock with cell
- wheel
- · VBM 1350 granulator
- · Fine regrind transport blower · Integrated dedusting system
- Transport blower for clean regrind to silo · Vacuum suction blower for
- dust transport Collecting silo for dust and
- contaminants





TECHNICAL SPECIFICATIONS

- Capacity: up to 30 m³/hr (depending on the density and feed rate)
- Slow-moving granulating unit with hooks
- 30 kW motor with gearbox
- Screen mesh: 40 x 40 mm

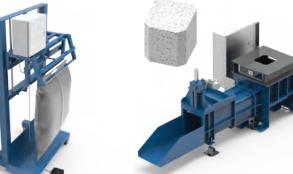
OPTIONS

- · Heavy particle separator
- · Breaker blower
- Sound absorption box

De-duster

CELL WHEEL

BAG CLOSING WELDING MACHINE



DUST COMPACTOR HDC 400



DUST COMPACTOR

HDC 120

EXCHANGABLE SCREEN ON VBM 1350



SLOW MOVING BREAKER **ARMS ON VBM1350**



TRANSPORT BLOWER











BREAKER BLOWER



XPS PACKING LINE

Complete downstream solutions for XPS production.

FEATURES

- handling system



- · Turn-key systems: from stacking to packing and palletizing

turn-key systems

Minimum film consumption



XPS automatic packaging and

packaging machine - upper line

palletizing line with 4 side

4 AND 6 SIDE FOIL **PACKING**

TOP FILM COVER STATION

PPZA TANDEM

ROBOT WITH A GRIPPER











MINERALWOOL Advanced cold end solutions.

RANGE OF EQUIPMENT

- High-performance stackers for boards and panels
- Automatic and semi-automatic shrink film packaging machines
- 6-side packaging systems ensuring complete product protection
- Compression packaging machines (up to 70%) for optimized logistics
- Group Packing Machines for Multipack Packaging
- Robotic palletizing systems for fast and reliable handling
- · Robotic kicker application systems
- · Advanced lamination lines for lamellas and pipes
- Hydroponics production lines tailored to modern agriculture
- Production lines for wood wool boards
- Fully automated lines for all types of insulation materials



ADVANTAGES

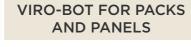
- Efficiency, cost savings, and long-term reliability
- Optimized performance, reduced costs, and sustainable value
- Productivity, reliability, and longterm security of your investment
- Smart technology for efficiency, savings, and future-proof production
- Innovation, efficiency, and lasting value for your business.



RING WRAPPER



VIRO-BOT FOR KICKERS



BOARDS STACKER

BOARDS STACKER

FACING/LAMINATION LINE

PIPE INSULATION

70% COMPRESSED PACK















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Disclaimer for technical details and data:
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