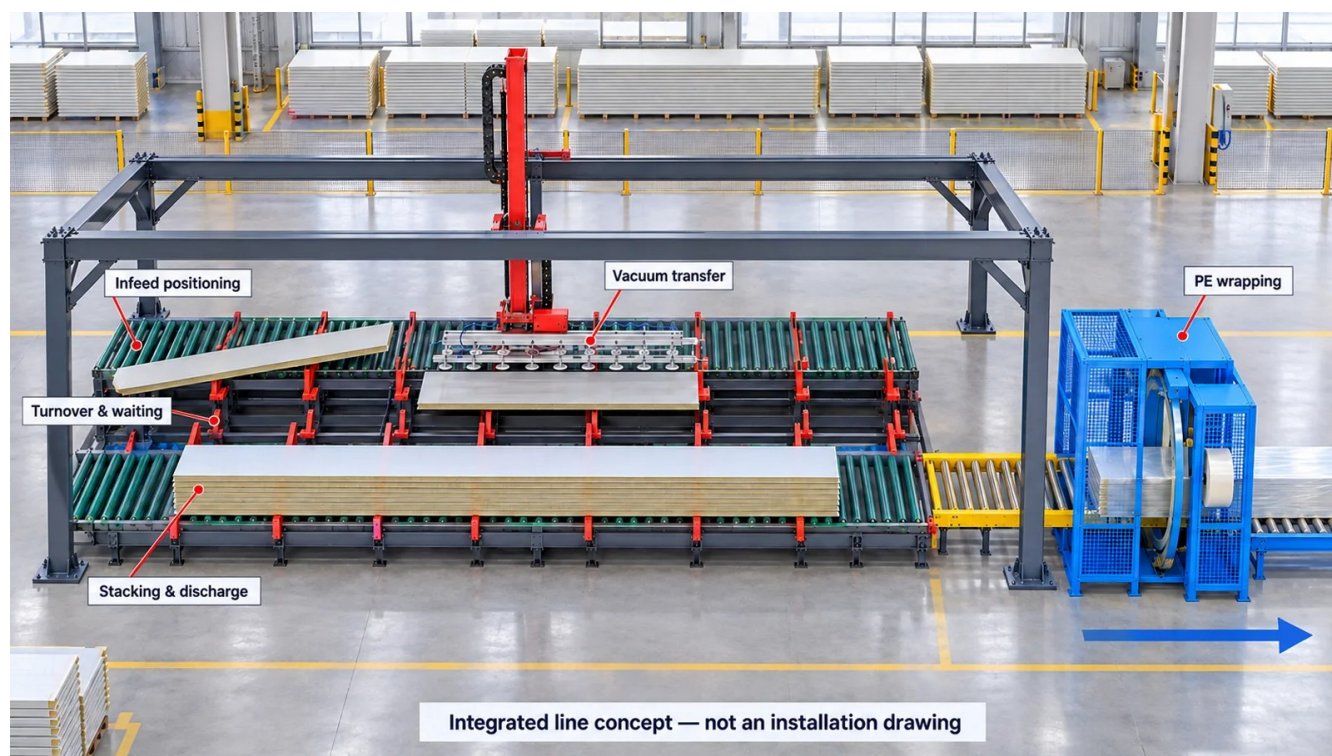


# Sandwich panel stacking & PE wrapping line

One gantry flipping and stacking machine. One full-stack PE wrapper. A coordinated end-of-line path from individual panels to wrapped bundles.



AI-generated explanatory concept based on the proposed process. Not an installation photograph, dimensioned layout or validated machinery geometry.

## Why combine these stages?

The anonymized enquiry described manual feeding and stacking of long roof and wall panels, followed by full-bundle PE wrapping. Repeated positioning, turning and bundle movement were the handling steps to address. Core-material feeding equipment is outside this proposal.

The solution coordinates selected-panel mechanical turnover, gantry vacuum pickup, stack formation and direct inline transfer into the PE wrapper. It is a proposed arrangement, not a delivered project or evidence of measured efficiency gains.

[Read the online solution](#) | [Contact CSM](#)

# From panels to wrapped bundles

| Reported input                  | Enquiry value                          |
|---------------------------------|----------------------------------------|
| Maximum panel length            | 15,500 mm                              |
| Thickness variants              | 50 / 80 / 100 / 120 / 150 mm           |
| Overall / effective width       | 1150 / 1000 mm                         |
| Maximum individual panel weight | Approximately 400 kg                   |
| Existing production-line speed  | 3-4 m/min                              |
| Requested maximum bundle height | 1250 mm - wrapper interface to confirm |
| Packaging unit                  | Complete stacked bundle                |

These are reported project inputs, not guaranteed capacities or measured output. A dimensioned site layout and final configuration review remain necessary.

## 1. Receive and position

The first roller bed positions one incoming panel. The proposal extends conveyor support for the 15.5 m requirement.

## 2. Set the panel face

Mechanical turnover forks reverse selected panels into the narrow central waiting zone. Roof-panel bundles require the agreed alternating face sequence; wall panels retain the requested original orientation.

## 3. Pick and stack

The level gantry vacuum frame picks from the central waiting zone, moves transversely and places the panel on the outer stacking roller bed. The vacuum frame does not flip the panel.

## 4. Transfer the full bundle

At the agreed bundle target, the outer conveyor moves the completed stack lengthwise into the PE wrapper. Both conveyors follow the same direction, not a right-angle transfer.

## 5. Wrap and discharge

Wrap the complete bundle with PE film, then remove it through the agreed downstream route. Film coverage, controls and removal details are project-defined.

Layout principle: two broad roller beds plus a narrow central turnover/waiting station - not three identical conveyors. Gantry columns remain outside the working beds.

# Individual-panel handling. Full-bundle packaging.



Manufacturer-supplied equipment reference photograph; not this proposed installation.

## Automatic Gantry Flipping & Stacking Machine

Positions individual panels, turns selected panels using mechanical forks and builds the stack using a level vacuum frame. The published lifting configuration is rated at 450 kg; this is not a completed-bundle load rating.

This proposal uses one gantry machine with conveyor support extended for 15.5 m panels. The supplier-proposed 2.5 m stacking-height limit is project-specific; the actual wrapped bundle must fit the downstream wrapper. Neither value replaces the standard product-page configuration.

[Gantry stacker - product and specifications](#)



PE wrapper catalogue visualization; not installation or acceptance evidence.

## Full-Stack PE Wrapping Machine

Wraps complete bundles after stacking. It is a PE packaging stage, not a turnover device or strapping machine. The published configuration specifies a 3000 kg effective payload and a 1200 x 1200 mm package width x height. Check the full bundle weight independently of individual-panel weight.

[PE wrapper - product and specifications](#)

# Confirm the linked-line envelope

## Open item: 1250 mm requested vs 1200 mm standard height

**The 50 mm height difference remains unresolved.** Confirm a revised wrapper working aperture or agree a lower bundle target before treating this arrangement as compatible. A taller stacker does not establish the wrapper's working height. Use the actual finished-bundle envelope, including the stack pattern and supports where applicable.

## Support and transfer

Define conveyor support spacing, transfer level, full-bundle load on every conveyor segment, footprint and access for 15.5 m panels.

## Orientation and timing

Record incoming face, roof-panel alternation and wall-panel non-turnover routing. Review cutting and arrival intervals, stack discharge and wrapper timing together. Reported line speed alone does not establish linked-line throughput.

## Controls, safety and removal

Agree ready-to-receive, bundle-complete and fault responses, guarding, safe access and final removal. These interfaces are not represented as already engineered or validated.

## Efficiency goals, not measured claims

Reduce repeated manual handling, define the stacking pattern and transfer finished bundles directly into packaging. No percentage gain, staffing reduction or delivered throughput is claimed.

## Prepare these inputs for a linked-line proposal

Panel drawings; maximum length and actual weight; thickness variants; overall and effective widths separately; incoming and finished faces; turnover sequence; bundle width, height and total weight; line-exit level; arrival timing; available layout; and removal route.

### Discuss a stacker + PE wrapper linked line

Select the gantry stacker and mention "stacker + PE wrapper linked line" in your enquiry. Send drawings separately through the existing contact channels. [Download the enquiry form](#)

## Basis and status

Prepared from the published anonymous solution, the supplied production enquiry and the owner's configuration explanation. No customer identity, location, private correspondence or quotation is included. Product data applies to the named configuration; this brief is not an operating manual, dimensioned engineering drawing or compatibility approval.

[Online solution and current details](#)

[Product downloads](#)