



The Company offers a full range of technologies, machinery and services from machines and software to a full turnkey manufacturing plant for insulated truck bodies, sandwich panels and pre-fabricated houses.

Machines and Technologies

The Company has developed various products, Technologies and Machinery for a variety of applications, these include:

- ❑ Special presses based on proprietary, innovative technology for the production of various types of sandwich panels using various structural materials
- ❑ Adhesive spreading machines
- ❑ High pressure two component foaming machine
- ❑ Vacuum lifters operated by forklift or crane
- ❑ G.R.P rollers and manual cutters
- ❑ Software required for designing, engineering and manufacturing of reefer truck bodies
- ❑ Technical files including specification for operating and maintenance of machinery
- ❑ Exclusive fittings and accessories

All products meet the requirements of international standards for cooling transportation, including ISO 9002 and ATP standards.

Manufacturing Plant

A full project may include:

- ❑ sandwich panels (200 – 800 sqm per day) for reefer truck bodies and pre-fabricated houses
- ❑ Manufacture and supply of all necessary machinery
- ❑ Licensing of technology and software required for design, engineering and manufacturing
- ❑ Training of technicians and production personnel
- ❑ Management of the project from design to implementation
- ❑ Devising and implementing marketing, sales, quality assurance and after sales methodologies and systems

Contact details

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This brochure is of a general nature only, giving a general description of products and services and is not intended to be a binding offer or document.

Technologies & Machinery

Isi Yogev Industries is a leading company in the field of technologies and machinery for the manufacture of reefer truck bodies and sandwich panels for pre-fabricated houses, cooling chambers, cooling doors, shelters, partition walls, and engineered sandwich panels.

The company's products are of the highest quality and conform to world standards. The company has established manufacturing plants in numerous countries around the world.

The services are provided on a turn-key basis. Isi Yogev accompanies its customers from initiation to a full scale working plant producing high quality products.

Isi Yogev Industries continues to support its customers long after production has started with ongoing advice, relevant new systems and technologies.





Machinery - Specifications



Vacuum Press

Vacuum press for the manufacturing of sandwich panels from different raw materials.

Dimensions

External Dimensions – 14.64m x 3.66m

Effective Dimensions – 14.42m x 3.45m

Main Parts

- ❑ Metal base
- ❑ Working surface
- ❑ vacuum pipes line including valves and fittings
- ❑ Upper covering

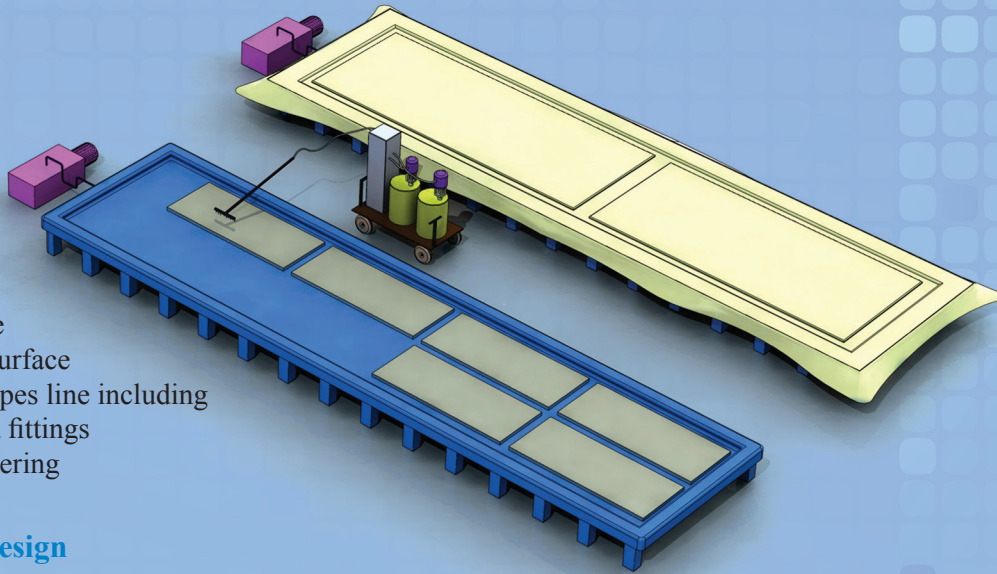
Customize design

Skins

Fiber-reinforced thermoset materials
 Fiber-reinforced thermoplastic materials
 Metallic surfaces
 Solid wood
 Plasters (Gypsum)

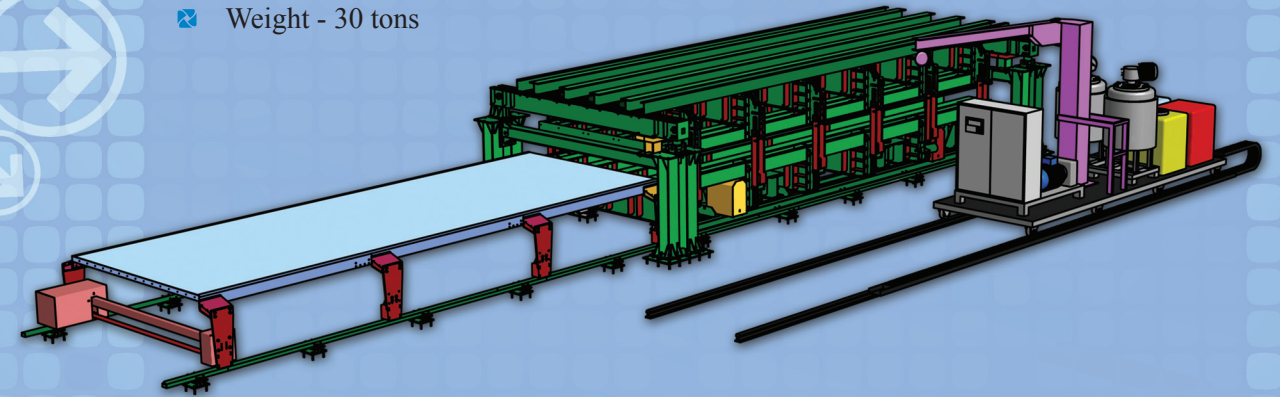
Core materials

Polyurethane (PU) foam
 Polyester (PET) foam
 Polystyrene (XPS, EPS) foam
 Balsa wood
 Polypropylene honeycomb
 Paper honeycomb



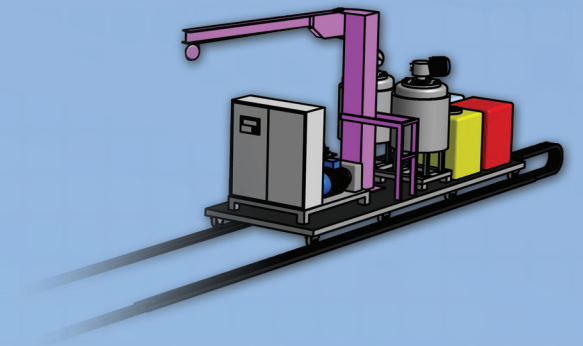
Mechanical Press

- ❑ Size - 10500mm x 3200mm x 2500mm
- ❑ Panels Sizes - 3000mm x 9000mm x 200mm
- ❑ Counter pressure - 468 tons
- ❑ 4 cylinders for opening
- ❑ Hydraulic operation with remote control
- ❑ Mechanical locks for closing the press
- ❑ Heating system with hot air (optional)
- ❑ Weight - 30 tons



High pressure 2-C foaming machine

- ❑ Ratio A:B – 1:1
- ❑ Ratio variation A:B – 1:5 to 5:1
- ❑ Total output max. (kg/min) - 90
- ❑ Total output max. (gr/sec) - 1500
- ❑ Total output min. (kg/min) - 18
- ❑ Total output min. (gr/sec) - 300
- ❑ Tank capacity each (liters) - 250
- ❑ Installed power (Kw) - 47
- ❑ Chiller unit 5 Hp 12.0 frig/hour
- ❑ Weight (kg) - 2400



Spreading Machine

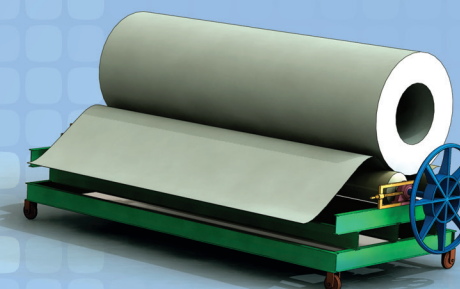
Spreading machine to apply two component A+B adhesive to large surfaces of sandwich panels.

Main Parts

- ❑ Spreader, base pump, pressure regulator, hardener pump, meter cabinet, flush pump, static mixer and manually dispenser
- ❑ Capacity at 20c 7kg/min. at 4.5 bar
- ❑ Compressed air pressure Nom. 6 bar
- ❑ Compressed air volume Approx. 1000 liter/min
- ❑ Spreader width 100 - 600mm
- ❑ Nozzle configuration 1.5 - 3mm



G.R.P Roller



Vacuum lifter

