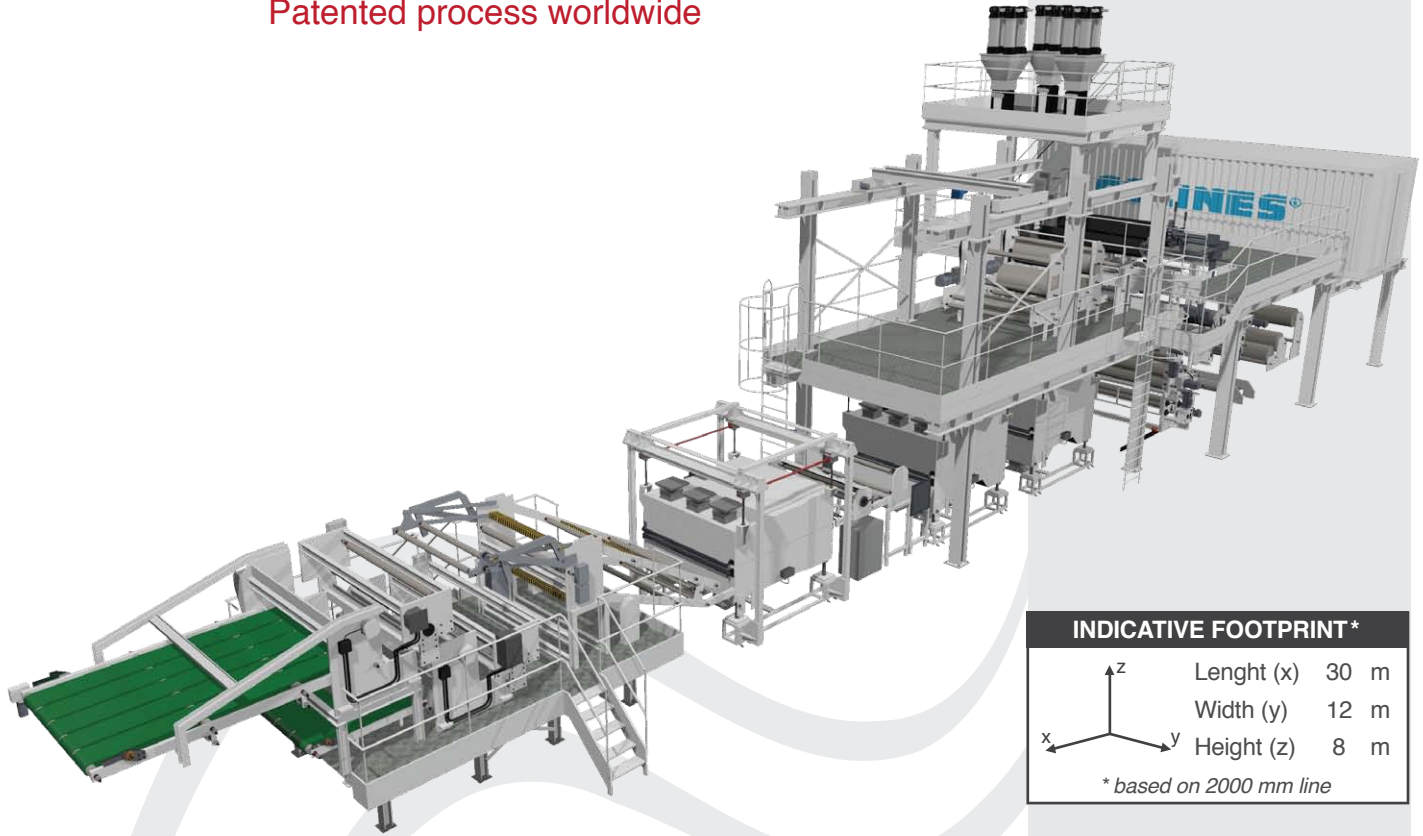


“The latest alternative in rigid sheet applications”

Bubble Guard® Board, alveolar since 2001

Patented process worldwide



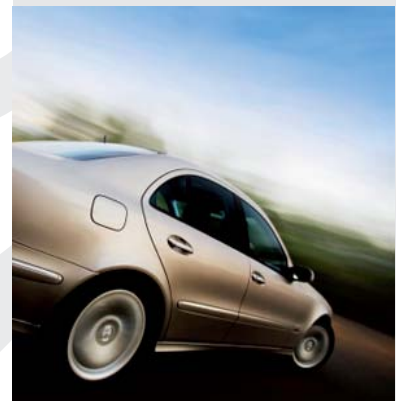
INDICATIVE FOOTPRINT*

	Lenght (x)	30 m
	Width (y)	12 m
	Height (z)	8 m

* based on 2000 mm line

Thorough know-how resulting from many years of experience gained thanks to our process of verticalization (machinery engineering/manufacturing + sheet production). The Bubble Guard® Board can be used in:

- Building
- Logistics
- Advertising
- Cosmetics
- Automotive
- Boxes
- Food
- Furniture
- Steel
- Glass
- Refrigerators and more...



BUBBLE GUARD® BOARD

PATENDED

Coex alveolar polypropylene
sheet with in-line lamination



Main technical data/features:

Range

Bubble Ø mm	Weight gr/sqm	Thickness mm
D4	200-1000	2-4
D8	500-2000	3-6
D12	900-3500	6,2-10
D14	1000-3500	6,5-12
D18*	2000-4000	13-17

* in progress

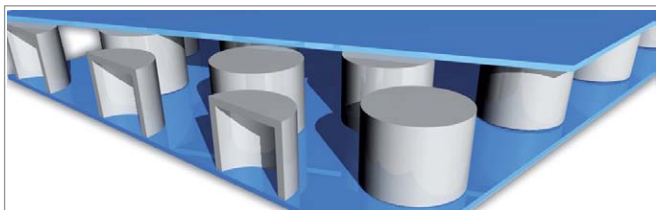
In line lamination**

• PP Printed Film	• PP Foam
• PP Coated Paper	• PP Coated Fabric
• Barrier Film	• PP Coated Aluminium
• Non-woven Fabric	• PP Coated Carpet

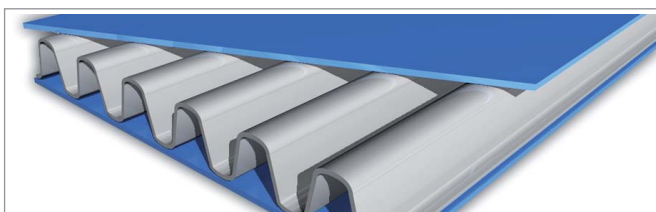
** on both sides

Products

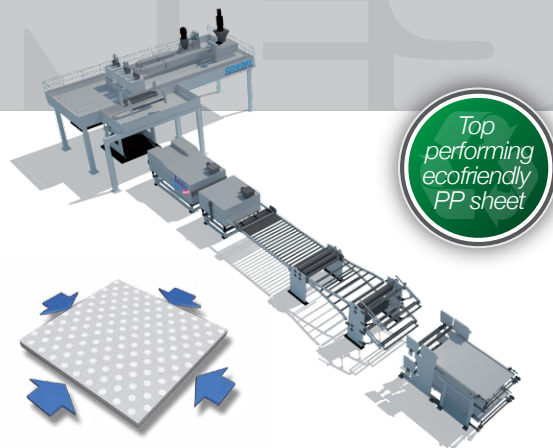
3-layer sheet made of a thermoformed structural middle-layer and no.2 top/bottom closure layers.



Bubble Guard® Board - alveolar/honey-comb structure



Ondubol® Board - corrugated/hollow-profile structure

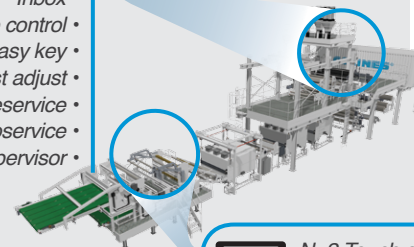


Same solidity in both directions (longitudinal and trasversal) and high compressive strength.

Electronic package

by www.elav.it

- HMI •
- Inbox •
- Live control •
- Easy key •
- Fast adjust •
- Teleservice •
- Videoservice •
- Remote supervisor •



inb

HMI

work with
Smartphone
and Tablets



N. 2 Touch screen Siemens
Industrial PCs included as
standard equipment



Steel

Glass

Automotive

Logistic

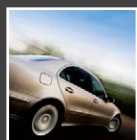
Your business

Food/Beverage

Building

Advertising

Furniture



COLINES®

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Bubble Guard® Division

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www.colines.it - info@colines.it



Bubble Guard® Board

Ondubol® Board

Bubble Guard® Flex

Ondubol® Flex

Novara factory