

OCEAN

A NEW WAVE
IN ABSORBENT
MATS PRODUCTION

IMA  **TEKNOWEB**
Nonwoven Converting & Packaging Solutions

OCEAN

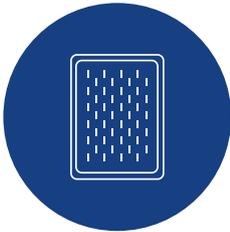
A NEW WAVE IN ABSORBENT MATS PRODUCTION

The new **OCEAN** converting machine, developed by **IMA TEKNOWEB**, marks a step forward in **absorbent mats** production. Its cutting-edge technology provides highly absorbing mats using a **minimal amount of raw material**, with no compromise on quality and speed.



CUTTING-EDGE CORE FORMING

OCEAN features an innovative process for **core formation** which **avoids the use of rotating drums**. Standard drums create turbulent airflows that make difficult to transport fluff and result in uneven cores. **OCEAN instead, builds the core directly onto the carrier web** and uses a linear formation belt with full laminar airflows. This results in **controlled and thinner core** all over the absorbing area.



5-LAYERS CONSTRUCTION

Finished mat consists of 5 layers. The absorbent core is **enclosed** between bottom and upper tissue for improved integrity and appearance. Additionally, **bottom tissue protects backsheets from possible SAP pinholes**. As option, frontal and lateral **leakage barriers**, to be placed onto the topsheet, are available to improve product performance.



INTEGRATED MAKING AND PACKAGING PROCESS

Layout is flexible either with all components positioned at floor level or with some placed on upper platform to reduce footprint. Integrated solution with IMA TMC D-NAMIC stacker and bagger for a **full IMA turn-key production line**.



GET THE MOST OF OCEAN

- High efficiency defibration mill for **homogeneous fluff distribution**
- Upper/lower tissue for **superior core integrity** and pin hole protection
- **4 side encapsulated core** to avoid leakages
- Tension control for all materials
- **Quality vision system** on the full process
- Ready for **IMA Digital** services

MACHINE PERFORMANCE	
Max Production speed (mats/min)	400
Max Linear speed (m/min)	300
Max Stacking speed - Optional (bag/min)	60
Defibration Mill Capacity (Kg/h)	1000
SAP Distributor Capacity (Kg/h)	300
Efficiency (%)	95%
Waste (%)	1%



INNOVATIVE

New **PATENT PENDING**
drum-less core-forming



EVEN DISTRIBUTION

the **thinnest** fluff layer



SUSTAINABILITY

High performance with
minimum raw material usage





PERFORMANCE

5-layers construction
for outmost quality



SPEED

up to 400 mats/min
or 300 m/min



FLEXIBLE LAYOUT

Place it anywhere





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