

Sustainable thresholds for new System Ceramics technologies

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A green solution for packages coupling

Cartonstrap

System Ceramics presents a **new plastic-free solution**, able to effectively replace standard coupling and gluing packaging machines.



Sustainable Development Goals (SDGs)

ONU 2015 General Assembly identified **17 goals** to be achieved within **2030**

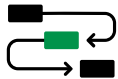


The five “P”

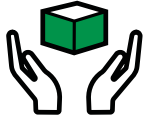
- People
- Planet
- Prosperity
- Peace
- Partnership

New sustainable concepts

Cartonstrap arises out from growing focus of Systems Ceramics R&D on questions related to **sustainability** and **production savings**:



Exclusion of the package strapping from the process

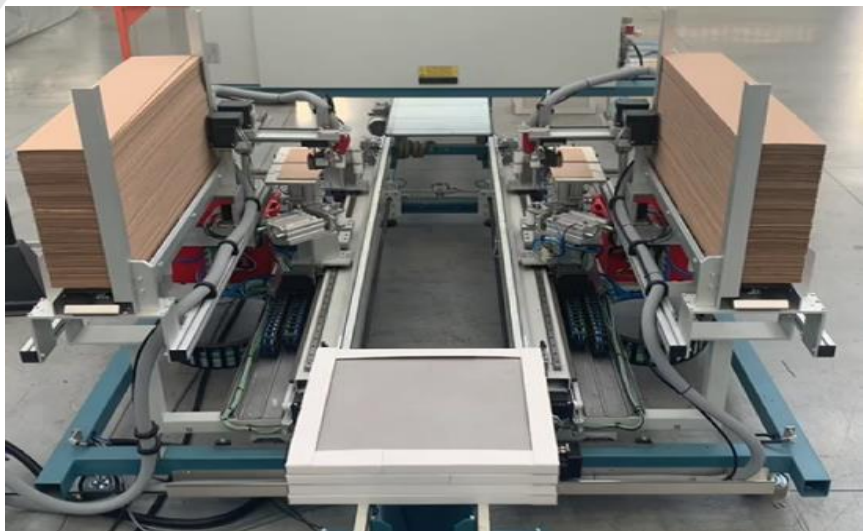


Exclusion of plastic corner protectors from the process



Reduced waste and recycling cost

Optimized use of cardboard



Automatic stacks coupling and gluing machine on-demand, able to **replace plastic utilization** in the process phase with recyclable solutions.



It is possible to apply **4 cardboard corners** to the sides of the stacks, to **join together the packages** to be deposited on the pallet and **protect the corners** of the individual packaged tiles.

Cartonstrap integrable with System Ceramics packaging solution

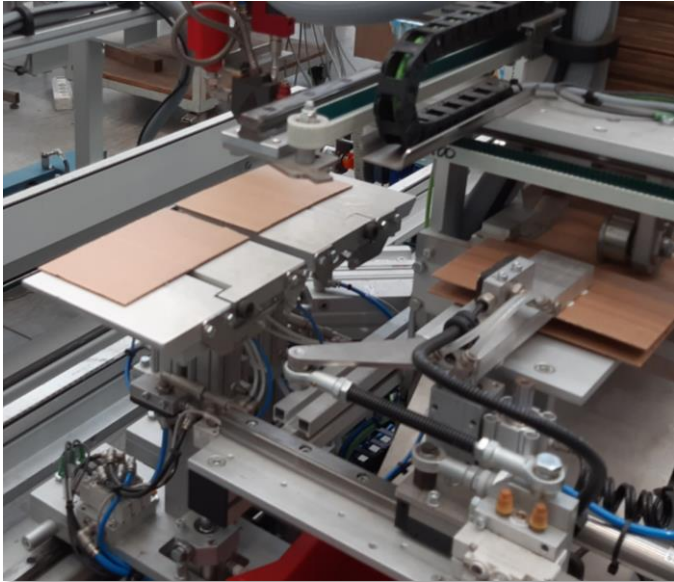
High performance and flexibility use with automatic size change



High cardboard store autonomy during production

Simple process in 3 phases only

Phase 1:



On-demand cardboard cutting
and creasing

Phase 2:



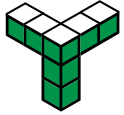
Application of glue on
cardboard

Phase 3:



Positioning the cardboard on
the stack

Focus on: other advantages



Increased boxes stability on the pallet during **vertical palletization** also in non-ideal conditions



Additional **cost reduction** with possible elimination of pallet carton separator



Products **protection improvement** provided by the **carton reinforcement** to each packages



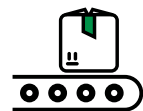
Safe and more practical package handling during tiles installation

How Cartonstrap supports ceramic producers to be more sustainable?



Zero plastic

Cartonstrap replaces the plastic strapping machine, making it possible to save around 2 million meters of plastic strapping per year for every production line.



Exclusive use of kraft or recycled paper



Compliance with the VERPAGK regulations

With Cartonstrap, producers are in line with the new German VERPAKG regulations on packaging, which monitors and regulates the quantity and type of packaging of products imported into Germany.

Thank you!