



# MARBLE & CERAMICS

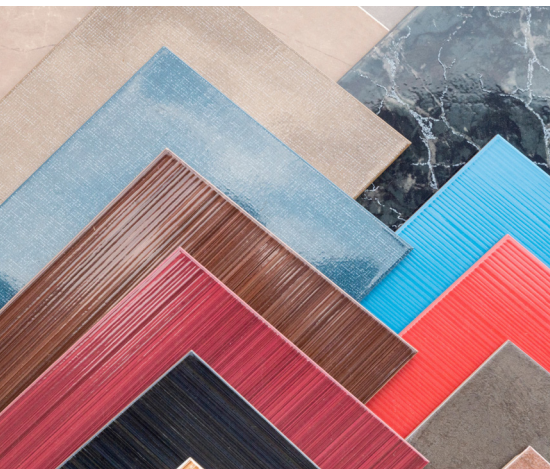
ROLLER CONVEYORS TRANSMISSION



**MEGADYNE**

**INDUSTRY**

CERAMIC TILES

**APPLICATION**ROLLER CONVEYORS  
TRANSMISSION**PRODUCT**MEGASYNC™ H EVO  
GOLDContact our experts  
to find out more

# CASE STUDY

## ROLLER CONVEYORS TRANSMISSION

**SITUATION/APPLICATION**

In ceramics manufacturing, tiles need to be moved, sorted, or processed on smooth and efficient transportation system. Overall, belts are integral in ensuring the synchronized movement of rollers, thereby providing an efficient and controlled method for transporting tiles across different stages of processing lines.

**THE PROBLEM**

Standard belting solutions can encounter significant issues:

- Rapid wear of the toothed side due to constant start-stop operations in the roller conveyors.
- Reduced performance, caused by high ambient temperatures and abrasive ceramic dust.

In addition, the increasing weight of ceramic tiles, from as little as 0.01 kg to 200 kg, demanded greater force for movement, stressing the belts and further decreasing their lifespan. This results in frequent downtime and high maintenance costs.

### MEGADYNE SOLUTION:

## MEGASYNC™ H EVO GOLD

The Megadyne MEGASYNC™ H EVO Gold belt provides a robust and specific solution. The H pitch profile with a thicker fabric layer add strength and durability to the belt. With a hardness of 94 ShA, the rubber compound, offers greater mechanical resistance than standard belts. In addition, thanks to the reinforced cord and a 70 ShA rubber cover, this belt maintains low elongation and high grip, ensuring stable and reliable performance under heavy loads and temperature variations.

**THE RESULT**

Italian companies that have adopted this belting solution have experienced several benefits:

- Reliable transport of tiles: thanks to the high grip and low elongation the belts run without slippage nor stretching even with heavy loads.
- Smooth operation: no vibrations even under high-stress conditions which ensures consistent product handling and reduces mechanical strain on the system.
- Reduced costs: the durable construction prevents common wear issues, and avoids backside cracks, extending the belt's service life. MEGASYNC™ H EVO Gold lasts up to 8 months, doubling the life of previous belts, while reducing the need for frequent replacements.

In short, MEGASYNC™ H EVO Gold belts deliver superior performance, operating effectively in challenging environments.