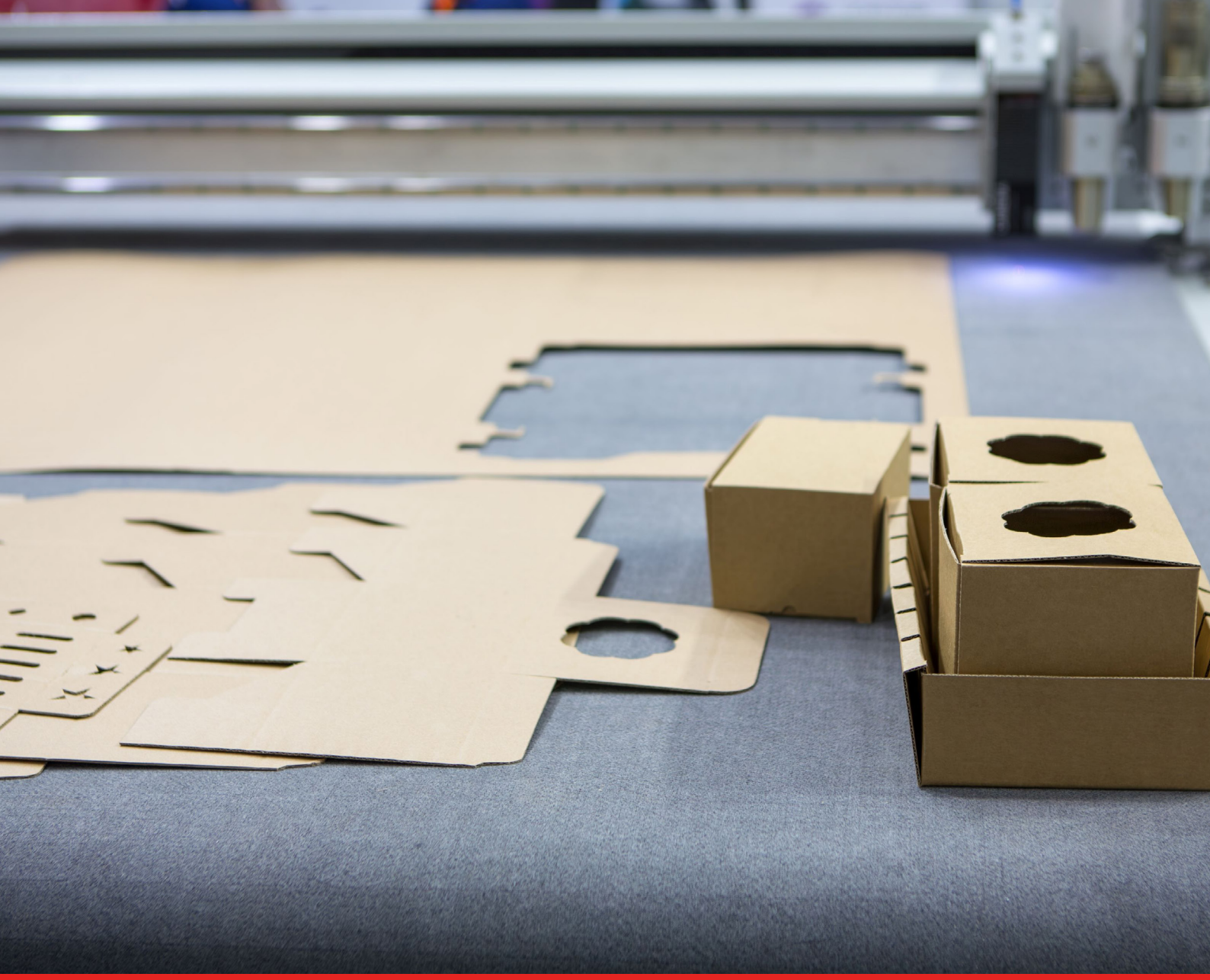


# PAPER & CORRUGATED

FLAT-BED DIE CUTTING MACHINE

MEGADYNE

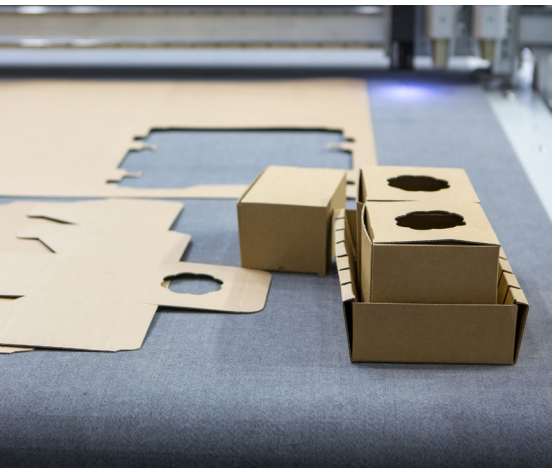
# CASE STUDY

## FLAT-BED DIE CUTTING MACHINE

**INDUSTRY**
PAPER & CORRUGATED

**APPLICATION**
FLAT-BED DIE CUTTING MACHINE

**PRODUCT**
MEGASYNC™ TITANIUM



### SITUATION/APPLICATION

A flat-bed die-cutting machine is a crucial tool in the paper industry, for its ability to produce high-quality, precise cuts and designs, which are critical for various paper-based products. The machine typically consists of a flat cutting bed (that holds the die) and a moving platen pressing the material against the die to create precise cuts and shapes. Many modern flat-bed die-cutting machines are automated, featuring computerized controls for greater efficiency, accuracy, and speed.

### THE PROBLEM

The belts in the die-cutting machine are subjected to high and irregular torque. This strain can cause wear, tear, and frequent belt breaks. Belt failures cause unplanned downtime, disrupting the production schedule and reducing overall efficiency. Frequent belt replacements increase operational costs. On top of that, irregular torque can lead to inconsistent cutting quality, affecting the final product's appearance and functionality.


## MEGADYNE SOLUTION:

## MEGASYNC™ TITANIUM

Produced with HNBR rubber compound, to absorb higher load and variable pick torque, and with carbon fiber cords to carry the required higher power transmission, Titanium belts improve the reliability, efficiency, and quality of flat-bed die-cutting machines.

### THE RESULT

- Extended belt lifespan
- Improved operational efficiency
- Less downtime
- Reduced maintenance costs and belt replacement
- Product quality guarantees

Contact our experts
to find out more