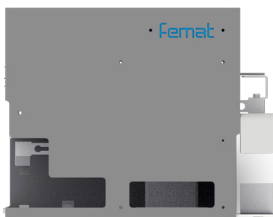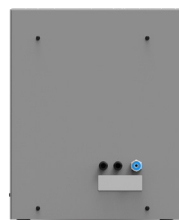# BSE | BOX STRENGTH ESTIMATION SYSTEM

MAIN DEVICE

TORSION DEVICE

BSE SYSTEM FEATURES

Machine dimensions
- main device: 409 x 210 x 308 mm (length x width x height)
- torsion device: 177 x 232 x 294 mm (length x width x height)

Machines weights
- main device: ~25 kg
- torsion device: ~10 kg

Machines properties
- modern digital electronics
- high measuring precision
- reliable components from European producers
- designed and produced in Poland

Software
- supported platforms (64-bit): Windows, Linux and Mac

FEMAT Sp. z o.o.
ul. Romana Maya 1
61-371 Poznań, Poland
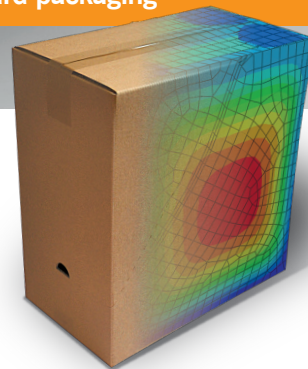technical info: (+48) 500 090 300
office@fematsystems.pl

IT'S TIME FOR FULL DIGITIZATION OF THE PACKAGING TESTING PROCESS

The innovative system for predicting compressive strength of corrugated board packaging

femat

BSE
BOX STRENGTH
ESTIMATION
SYSTEM

SYSTEM ADVANTAGES

- **speeds up the box designing process**
  - shortens redesigning-testing loop
  - eliminates trial-and-error methods
- **finds the optimal package design**
- **uses advanced computational and material mechanics**
- **single person to operate the system does the whole job**
  - no special qualification are required to operate the software
  - less departments/resources involved

MAIN DEVICE

TORSION DEVICE

BSE System allows to estimate the box compression index of complex corrugated board packaging in 3 simple steps:

1) material data is collected from four cardboard tests (bending, edge crushing, shearing and torsion)
2) packaging geometry is imported from FEFCO database or any DXF file
3) digital model is used to compute compressive strength

BSE System contains:

- two desktop machines for corrugated cardboard tests
- computing software with simple graphical user interface

THANKS TO THE BSE SYSTEM, YOU CAN OPTIMIZE A PACKAGING DESIGN

DXF

INNOVATIVE | **COMPLETE** | **COMPACT** | **RELIABLE**

Femat computing software