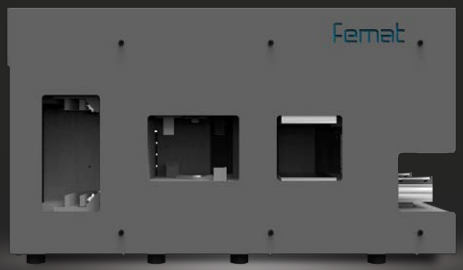
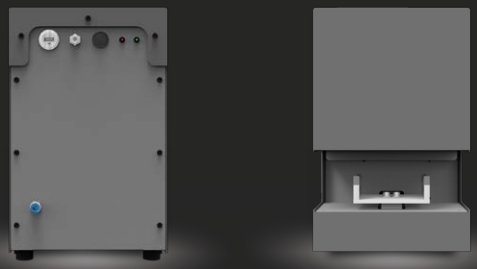
BSE | BOX STRENGTH ESTIMATION SYSTEM v.2





BSE SYSTEM FEATURES

Machine dimensions
- 625 x 225 x 355 mm (length x width x height)

Machines weights
- ~52 kg

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

Software
- supported platforms (64-bit): Windows, Linux and Mac
- artificial intelligence, optimization and big data management used for improving estimation accuracy

SCAN AND SEE OTHER INNOVATION

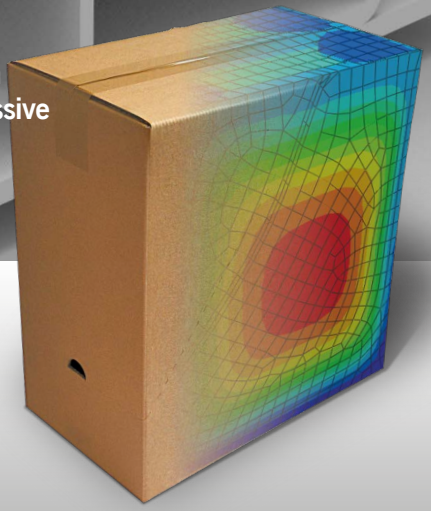
FEMAT Sp. z o.o.
ul. Romana Maya 1
61-371 Poznań, Poland
technical info: (+48) 500 090 300
office@fematsystems.pl
www.fematsystems.pl

Femat

BSE | BOX STRENGTH ESTIMATION SYSTEM v.2

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

New improved system for predicting compressive strength of corrugated board packaging



System information

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:

- desktop machine for corrugated cardboard test
- computing software with graphical user interface

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
- **artificial intelligence and optimization have been used to improve the accuracy of the estimation, the more you simulate and test the boxes, the more accurate your further BSE System estimations are**

Femat computing software

www.fematsystems.pl

BSE BOX STRENGTH ESTIMATION SYSTEM v.2

INNOVATIVE | COMPLETE | COMPACT | RELIABLE