

# Folding Carton Production System

## New principle "first creasing then die-cutting"

"First creasing, then die-cutting" this is the new principle behind the Folding Carton Production System from BOGRAMA. The new creasing and die-cutting processes are carried out in two stages, ensuring top scoring quality.

The Folding Carton Production System consists of two 550 x 750 mm rotary die-cutting machines placed in line. The sheets are creased in the first unit (up to the cutting-line) and die-cut in the second.

Following the die-cutting process, the scrap matrix are removed, shredded in the new SH 550 Shredder and the folding cartons are stacked in the new STA 550 R Stacking delivery. The delivery has an interface for connecting to downstream units such as banding and packaging machines.



### Applications:

- Cutting, kiss-cutting, creasing, perforating and embossing of the most diverse products, both from the offset- as well as from digital printing
- Paper weights from 80 g/m<sup>2</sup> up to 0.5 mm thick
- Formats from 296 mm x 210 mm up to 550 mm x 750 mm
- Production rate up to 8,000 cycles/h

### Components of the system:

- Pallet feeder
- BSR 550 Servo for creasing and embossing
- BSR 550 Servo for die-cutting
- UEB 550 B Mobile transfer unit for removal of the internal scrap
- SH 550 Shredder, Chip conveyor belt / Suction unit
- STA 550 R Stack delivery

### Benefits:

- Modular design, from pallet feeder to stack delivery
- Creasing and embossing in the first die-cutting unit
- Die-cutting in the second die-cutting unit
- Fast make-ready, easy die change
- High quality, nick-free, clean-cut edges
- Upper and lower magnetic cylinder, capable of male and female dies
- Innovative break out system for simultaneous removal of the scrap matrix and the internal scrap
- Shredding of the scrap matrix
- Stacking the die-cut folding cartons
- Efficient and economical production of small and medium runs

BOGRAMA's competency is die-cutting

