

# ZETI

Presenting:

# StarBoX 2.4

professional

BOXMAKER

with more than 100 FEFCO Design Codes

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ZETI d.o.o., Zagreb, Croatia

# StarBoX 2.4 professional



## Lateral knife



- ◊ Cutting the box width
- ◊ Perforation and precutting
- ◊ Ability to select lateral areas of cutting, perforation, precutting (ability to cut, perforate, precut only specific sheet areas)

## Lateral creasing - scoring unit



- ◊ Creasing (riling)
- ◊ Slitting
- ◊ Pressing of edges / flaps and edge connections (max. 40mm)

## Slitter – Scorer segment (in machine working direction)



- ◊ Prepressing of corrugated sheets
- ◊ Grooving (riling)
- ◊ Cutting edges
- ◊ Order separation (e.g. two boxes out of one sheet)

## Industrial PC with touch screen



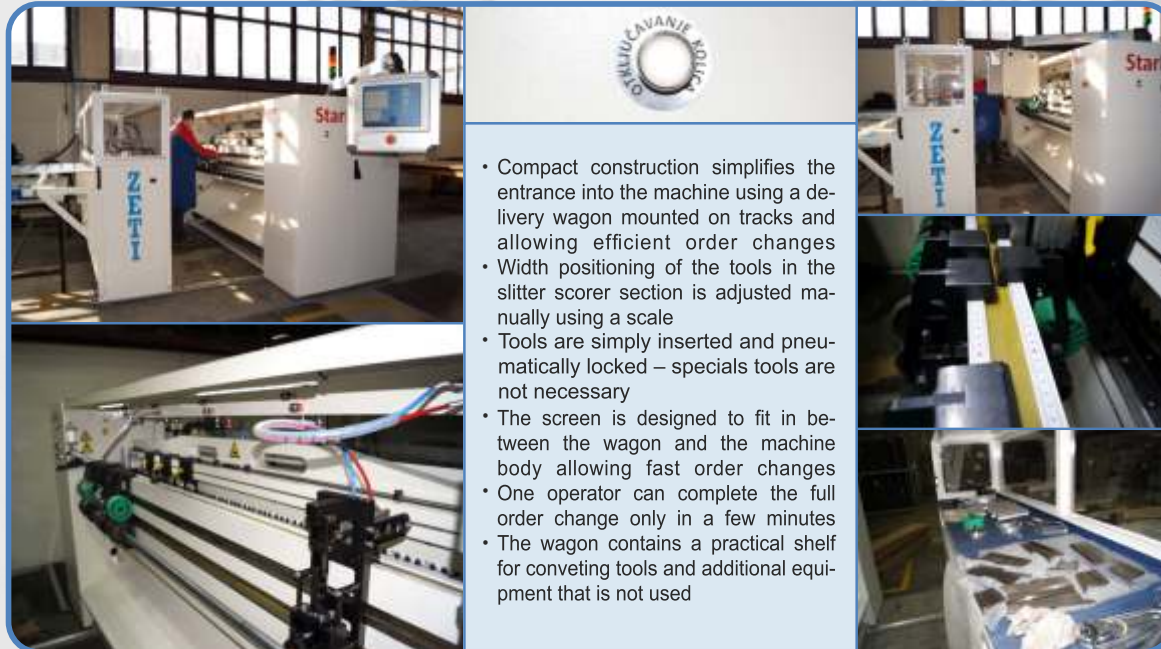
- ◊ Industrial PC with touch screen controls the machine sequences over the specially programmed PLC
- ◊ Automatized mechanics allow for fast order changes
- ◊ Orders are programmed in a special window for order input and can be saved into the built-in order memory saving set-up times for repeating orders (especially important for small orders)
- ◊ PLC is controlling the machine status
- ◊ Direct access to the internet allows connection to the ZETI support center and maximum production support



## ▶ StarBoX 2.4 professional: working logic (in basic equipment):

Workers are manually feeding corrugated board in the machine. The feeding reel takes over the sheets and positions them computerized, fully automatic, very precise, and fast for the individual work segments and tools. Cutting edge PLC program is controlling the main drive as well as tools and other functions, which are set up for optimal work flow. This set up enables simultaneous or individual workflow of different machine functions saving time and increasing the manufacturing speed by regulating the production at high speeds without loss of precision. Modern and simple machine controls through touch screen unit and work memory computer for order savings enable input and controlling of all work flow sequences over the industrial PC, allowing fast order changes, efficient follow up on all production steps, as well as machine status tracking. Connection of PLC program over a direct and safe Internet connection with the ZETI Support Center ensures maximum technical support and production safety. Completed sheets leave the machine through our specially designed delivery wagon to the machine operator. The delivery wagon is mounted on tracks enabling fast, safe, and efficient entry to the machine as well as fast and easy order changes and simple maintenance. In addition, the wagon holds a large storage space for tools and equipment.

ZETI StarBoX 2.4 professional boxmaker is always delivered with European safety certificate CE. The serial version of the machine is backwards compatible and ready for upgrades of additional equipment in the future enabling fast and easy upgrades with new tools and equipment.



- ▶ Speed of 750 sheets per hour dependent on the particular order represents one of the fastest boxmakers
- ▶ Even higher productivity can be achieved with conversion of multiple boxes simultaneously out of one sheet:
  - two – three boxes parallel
  - unlimited number of boxes one after the other (sheet length limit)
- ▶ Untouched edge allows the usage of large sheet dimensions, optimizing sheet purchase and storage
- ▶ Waste optimization: untouched edge can be used for other orders
- ▶ Ability to use sheets that are damaged on one side by converting it into boxes and simultaneously cutting off the damaged edge

## Specifications

Min. sheet format	420 x 400 mm (L x W)	Machine dimensions	5 x 3.5 x 2 m (L x B x H)
Max. sheet format	10,000 x 2,350 mm (L x W)	Working height from floor	1,000 mm
Material thickness	2.0 - 16 mm	Width of slitting knife	8 mm
Precision	+/- 1 mm	Main drive	Servo drive
Main drive speed	continuous 0 - 130 m / Min.	Lateral knife drive:	Servo drive
Speed of lateral knife	2 m/ sec.	Lateral scoring-slitting unit drive	Brake motor 4 kW
Lateral scoring- slitting unit	0.7 sec.	Electrical interconnection	380V / 50Hz / 20A / 16 kW
Min. distance of scoring in working direction	0 mm	Compressed air requirements	100 l/min, 7 Bar
Min. distance longitudinal knife in working direction	0 mm	Machine weight	4,500 kg

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