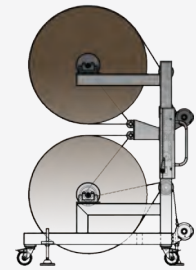


UNI.CO

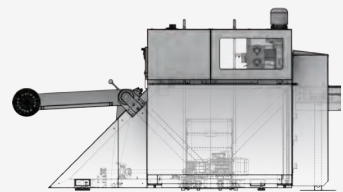
Modular cutting system



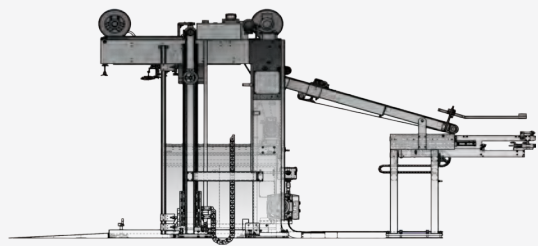
1



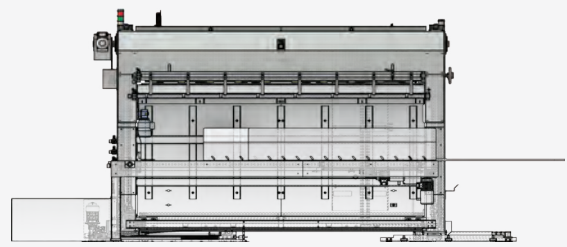
1f ○ ●



1e ○ ●



1d ○ ●



1c ○ ●



1b ○ ●



1a ○ ●

UNI.CO is the definitive answer for everyone involved in the board's converting field. Whatever is the raw to cut (solid paperboard, corrugated, single-face), **UNI.CO** is the cutting system to rely on, both for your first business steps and for the further ones.

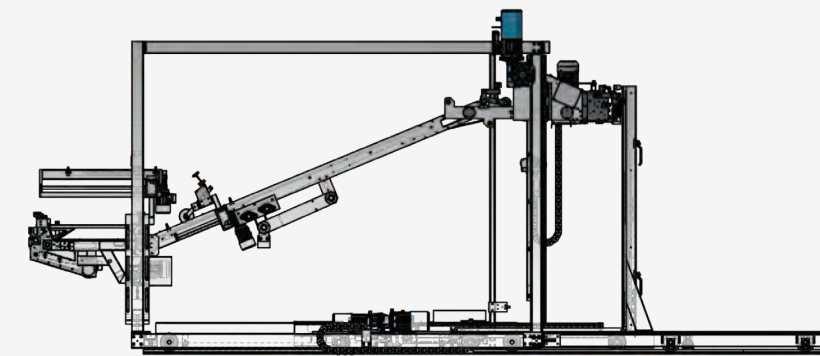
Modules no. **3** and **5** design allow you to integrate missing parts into your **UNI.CO** system any moment later on after installation. The different possibilities for feedind and collecting operations are meant to follow your growth: as your business increases, just choose better system for your needs.



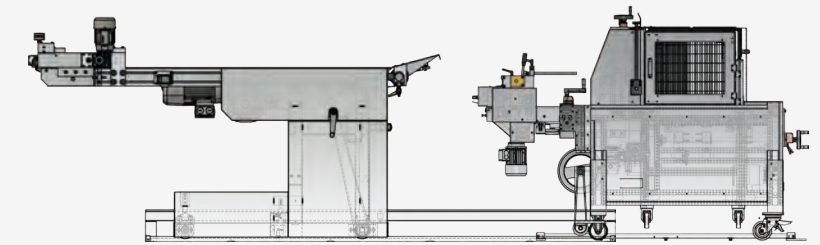
If your **UNI.CO** configuration has the punching module (no. **3**), this accessory option will make your workflow incredibly effective, easy and under control. The tooling table is equipped with a crane to lift the top plate punching frame without any operator's effort, tailored made drawers, spot-light and laser measurement device for the most accurate tools set up.

While **UNI.CO** produces, one operator prepares — off-line — the next punching pattern for following scheduled production. Make ready is immediate.

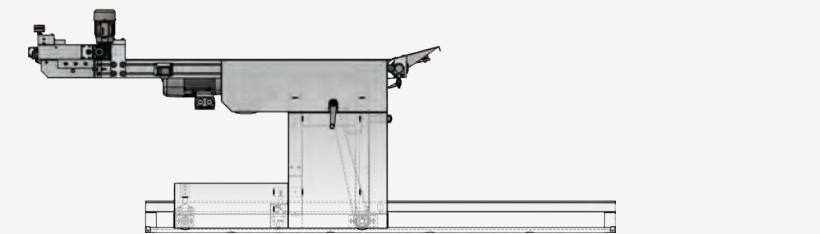
7



7c ○ ●



7b ○ ●



7a ○ ●

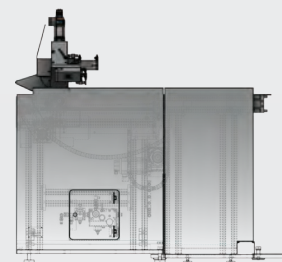
2

3

4

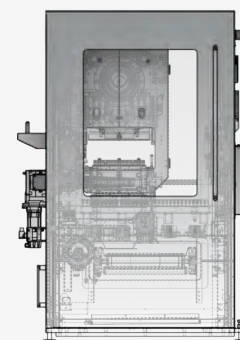
5

6



OFFSET

This device is a must for any **UNI.CO**. It applies the starting cutting offset calculatd automatically by the software for each sheet, in order to minimize their front and last cut waste.



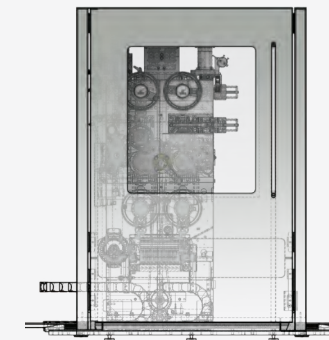
PUNCHING

The new punching unit is designed to offer an easier and faster tooling setting. Punching tools are available in different shapes and with modular design: you can quickly achieve different partition's shapes simply by adding / removing punching sections. Of course, you can speed up make ready preparing next punching bed off-line, on the tooling table.



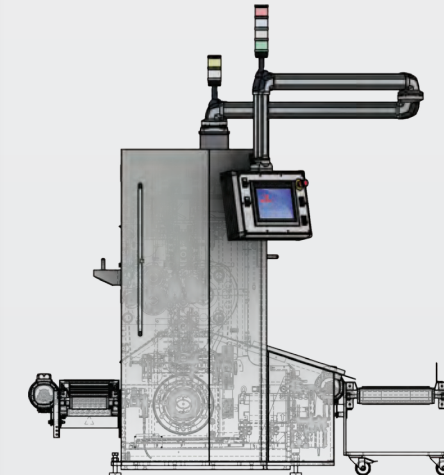
WALK THROUGH

A movable gate that can lower to allow operator to walk across: that is the key to speed up the make ready time and to have easy access to the mechanical machine's parts and for doing regular maintenance.



CIRCULAR TOOLS OPERATION

Creasing, scoring, perforating, half cut and other operations are performed by tools mounted on two couples of motorized air shafts, each shaft is adjustable in height and motorized independently to allow the fastest setting — all the tools on same shaft are moving together. A laser digital measuring device helps positioning all the tools.



SLITTING AND CROSS-CUTTING

Longitudinal and transversal operations are performed by the same module to ensure the maximum of accuracy and product's ortogonality. From machine's HMI operator set these operations.

FEEDING

Different feeding system are suitable for **UNI.CO**. Choose the one that better fit your production's needs:

- 1a) **MANUAL** feeding table for single sheet manual feed operation
- 1b) **SEMI-AUTOMATIC** feeding table to lay sheets on to be processed; a motorized pusher will feed it at proper time
- 1c) **CB-FEED** automatic feeder for corrugated paperboard sheets stacks *
- 1d) **SB-FEED** automatic feeder for solid paperboard sheets stacks *
- 1e) **MRC** automatic unwinder for solid paperboard reel *
- 1f) **R-FEED** unwinder for single face nested single face productions *

COLLECTING

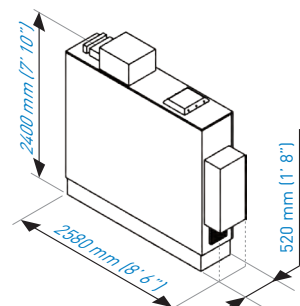
Cut pieces are orderly shingled out onto the collecting table. The pieces can be collected in a continuous mode or divided in pre-counted batches by the table, easily by software setting.

- 7a) **MANUAL COLLECTING** a conveyor collect the processed shingle of pieces or divided it in batches
- 7b) **QUADRO** a stacker to orderly collect pile of pads *
- 7c) **B-PAL** an automatic palletizer to reach the highest operating automation *

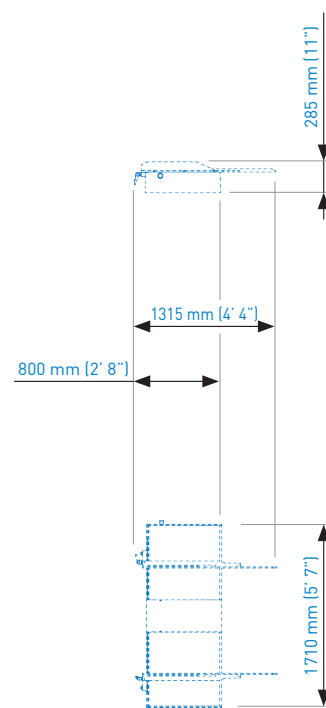
UNI.CO

1a 2 3 4 5 6 7a

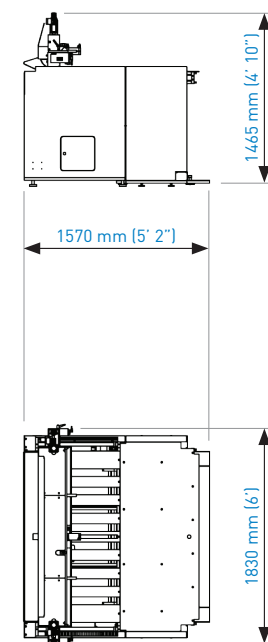
ELECTRICAL CABINET



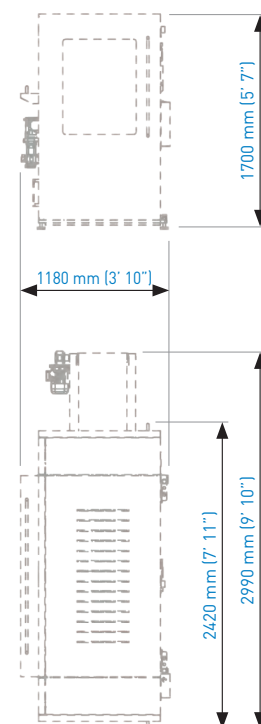
■ weight approx. 200 Kg
(440 lb)



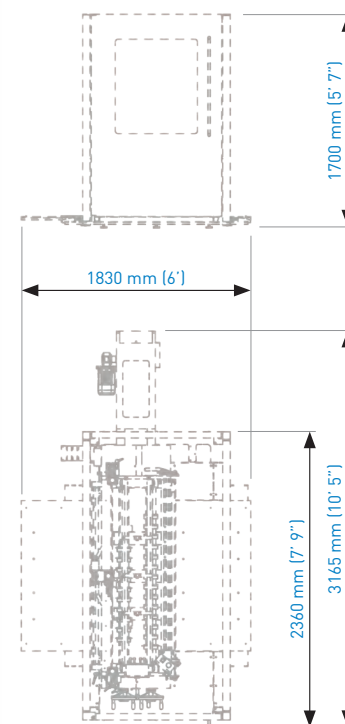
■ weight approx. 140 Kg
(310 lb)



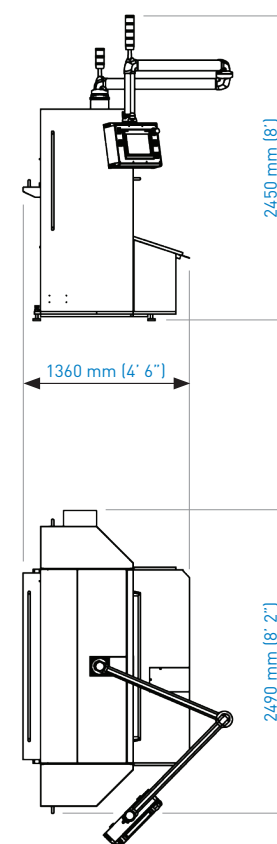
■ weight approx. 850 Kg
(1875 lb)



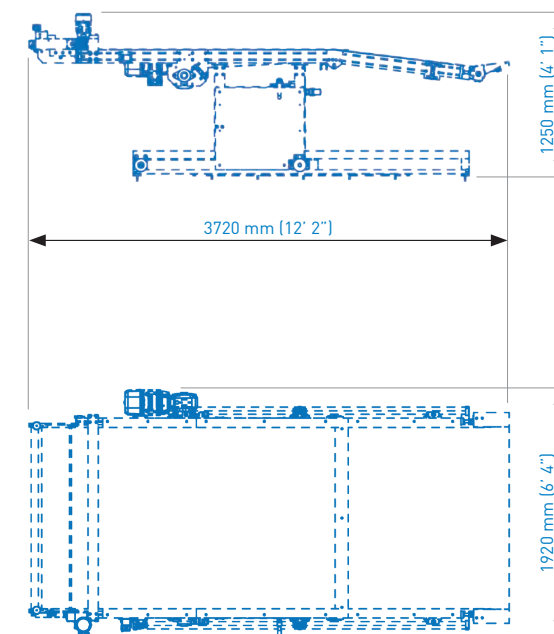
■ weight approx. 3000 Kg
(6615 lb)



■ weight approx. 2000 Kg
(4410 lb)

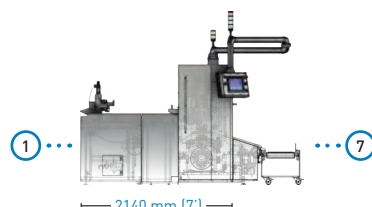


■ weight approx. 2600 Kg
(5735 lb)



■ weight approx. 1000 Kg
(2200 lb)

UNI.CO

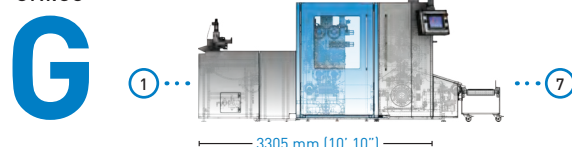


2 + 4 + 6

Combined slitting and cross-cutting.
Ideal for these productions:

- PADS FOR HARDCOVER BOOKS
- PADDED BOARDS
- STRIPES
- PROTECTIVE PADS

UNI.CO

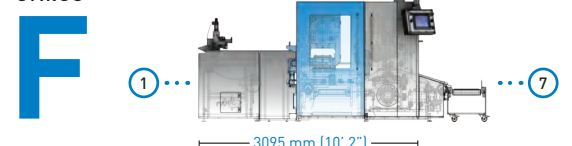


2 + 4 + 5 + 6

As the "I" configuration with the **circular tools unit** added.
Allowed productions extend to:

- FILLERS
- SCORED PADS
- CREASED PADDED BOARDS

UNI.CO

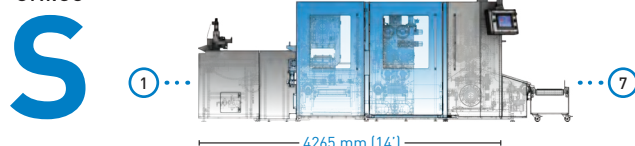


2 + 3 + 4 + 6

As the "I" configuration with the **punching unit** added.
Allowed production are widening:

- ROUNDED PADS
- SLOTTED PARTITION ELEMENTS
- 'V-LOCK' PARTITION ELEMENTS
- 'EURO-LOCK' PARTITION ELEMENTS

UNI.CO



2 + 3 + 4 + 5 + 6

Full configuration with **punching** and **circular tools units**.

- 'V-LOCK' PARTITION ELEMENTS
- 'EURO-LOCK' PARTITION ELEMENTS
- 'U' PARTITION ELEMENTS
- FILLERS
- PADS FOR HARDCOVER BOOKS
- PROTECTIVE PADS

TECHNICAL DETAILS

INPUT BOARD WIDTH

- min. 230 mm (9 1/16") — max. 1400 mm (55 1/8")

INPUT BOARD LENGTH

- min. 850 mm (33 1/2") — max. 2800 mm (110 1/4") feeding with sheets
- **unlimited** feeding from reel

INPUT BOARD THICKNESS

- min. 0.8 mm (1/32") — max. 8 mm (5/16") corrugated board
- min. 0.5 mm (1/64") — max. 4 mm (5/32") solid board *

DISTANCE BETWEEN SLITTING

- min. 35 mm (1 3/8")

CROSSCUTTING

- min. 30 mm (1 3/16") — max. 1600 mm (62 63/64")

CROSS-CUTTING TOLERANCE

- ± 0.5 mm (1/64")

MACHINE THROUGHPUT

- up to 170 cuts/minute depending on pieces size

DISTANCE BETWEEN PUNCHING TOOLS *

- min. 25 mm (63/64")

PARTITIONS HEIGHT (PUNCHED)*

- min. 38 mm (1 1/2") — max. 420 mm (16 17/32") with V-LOCK MINI
- min. 67 mm (2 41/64") — max. 420 mm (16 17/32") with EURO-LOCK MINI
- max. 420 mm (16 17/32") with any other punching tool

DISTANCE BETWEEN SCORES / CREASES *

- **any combination** thanks to 2 shaft groups working flow; minimum distance between tool on same shaft: 35mm (1 3/8")

ELECTRICAL REQUIREMENTS

- electrical power supply: 3 × 400 V PE 50 Hz
- controls voltage: 24 V DC

PNEUMATIC SYSTEM

- pressure: 6 bar

OPTIONAL DEVICES AVAILABLE

- **waste conveyor** for delivery on customer container / basket
- **laser measuring** for trolley
- **tooling table with crane** easy punching pattern handle

DISPOSITIVI ESTERNI DISPONIBILI

- **CB-FEED** automatic feeder from pile (corrugated paperboard)
- **SB-FEED** automatic feeder from pile (solid paperboard)
- **MRC** automatic feeder from reel (solid paperboard)
- **R-FEED** feeder from reel (single face)
- **B-PAL** automatic palletizer
- **QUADRO** stacker

* depending on the machine configuration

PERFORMANCES DEPEND ON PRODUCT'S SIZES, PRODUCT'S QUALITY AND OPERATING CONDITIONS

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