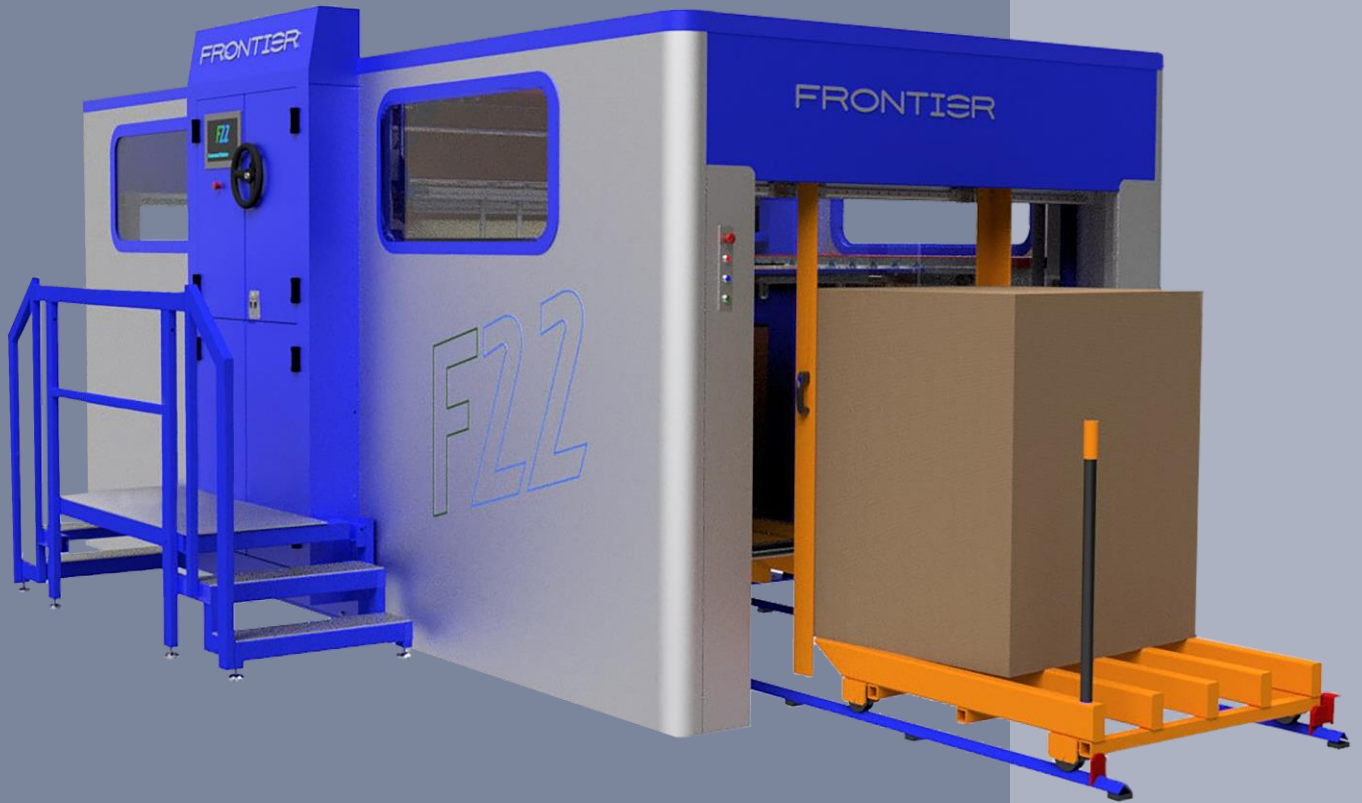


FRONTIER

Automatic flatbed die-cutter



F22



U-Pack's Frontier F22 delivers unrivalled large sheet die-cutting quality and accuracy. Descending from a long line of U-Pack large format fully automatic flatbed die-cutters.

The F22 with its 1.4m x 1.7m maximum sheet size converts micro-flute to double wall, even warped board with ease.

Single operator with efficiency up to x20 manpower equivalency compared with handfed machines. Cut to print accuracy of +/-1mm brings unmatched productivity and quality to the sheet plant and display industries.

Die-cut-counted-strippled-stacked

FRONTIER

Automatic flatbed die-cutter

Main features:

Unskilled operators can be trained in a day
Automated Die-Cut work is fully stripped, stacked and counted for ease of operation
Change from Micro Flute to Double Wall quickly and easily
Cut to print +/- 1mm
No need for separate stripping tools
Waste board is automatically removed without employing additional labour
Die-Form change takes less than 5 minutes

What can a Frontier do..

- Run Micro Flute up to Double Wall corrugated
- Multiple outs FULLY stripped with NO tagging
- Operator safe and friendly machine
- Large sheet size 1.7m x 1.4m
- Now faster, up to 1800 sheets per hour cycle speed with one operator.
- Ideal for complicated parts fully stripped, no tags
- Highest quality die-cutting and creasing
- Cuts up to 9mm double wall corrugated
- Runs warped board with ease
- Job change and set up in minutes
- Low tooling cost
- One operator only
- Precise cut to print registration
- Compact design for space saving
- User-friendly controls
- Low maintenance
- No make-ready necessary
- Competitive and affordable

Speed & board size

Cycles/hour 1800

Sheet size (max) 1700 x 1400mm

Board max thickness, micro-flute up to 9mm D/W

Larger sizes are available to order.

Floor area & height

L. 7460mm including pre-loader, W. 3680mm including walkway

Machine height 2760mm machine, additional 1067mm for waste extraction

Weight

14,300kg

Power & services.

Electric power to machine 40amp, Extraction system 40amp. 380/450v 50/60Hz

Compressed air, 60cfm 7bar (100psi) Clean & dry.

Waste removal 9,000cfm (15,300 cubic m/hr) 400mm diameter steel ducting.

S-Drive transmission

U-Pack's latest S-Drive has increased power rating and motion efficiency.

This power-drive transmission system is simple, reliable and easy to maintain.

With its unique harmonic acceleration/deceleration drive powering the entire Frontier cutting, feeding and discharge systems with a single motor.

All functions are positively linked by drive chains, eliminating any collision risk. U-Pack's S-drive is easy to understand and maintain.

S-Drive produces unparallelled, smooth reciprocal cutting motion.

Upgrades and new features 2024

1. New vacuum takeoff head, higher vacuum, quicker response for higher cycle speed.
2. Reduced reciprocal cutting bed weight to 50% for increased cycle speed.
3. Better machine systems monitoring.
4. Simpler operator controls.
5. Improved pneumatics and electrical maintenance accessibility.
6. Modular folding design for shipping container delivery.
7. Quick reassembly at customer site.
8. No expensive large shipping crates, everything packed into one secure 20' container.
9. Forklifted, easy to move, no craneage required.
10. A heavier engineered press section for higher precision.
11. Increased sleeve wear.
12. Overall length reduced by 2m due to new integrated pre-loader design.
13. Greater use of sealed for life bearings.
14. Internet connected diagnostics.
15. Larger HMI touch screen.
16. Hard chromed press rollers, non-corroding and easier sleeve slide, change over.
17. New bed suction vacuum suction cups, stronger grip, quicker performance.
18. Fully enclosed with aluminium roof cover reduces noise.
19. Extended warranty to 2 years
20. Last, but not least, unique beautiful, anodized aluminium exterior finish.

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