

RD 115S

Flexoprint Rotary Die Cutter



HIGH QUALITY | HIGH OUTPUT | HIGH EFFICIENCY

 **KOLBUS**
ROTARY DIECUTTER RD

COST-COMPETITIVE ALTERNATIVE FOR PROCESSING CORRUGATED BOARD

RD 115S Rotary Die Cutter with flexographic printing

Grow to meet your markets. With the RD 115S Rotary Die Cutter, you can opt for up to eight print units. Retrofit modules extend the line to print and die cut corrugated board blanks in a single pass. The versatility and productivity are made possible by the modular concept of the RD 115S.

With its continuous vacuum transfer system, the RD 115S is capable of delivering up to 12,000 cut and printed products an hour. Adding additional modules to expand functionality and boost output is quick and easy. There is also the option of printing from below in a fully flexible machine solution. The decentralised servo direct drives let you adjust each production-relevant element separately. The user-friendly Siemens control system with touch screen HMIs (human-machine interface) makes for simple and error-free operation. It also minimises set-up time and effort for job changes. A range of bolt-on options from approved partners enables you to equip an RD 115S to exactly meet your business requirements.

Your biggest benefits

- ROBUST – vibration damping, cast iron construction
- FLEXIBLE – modular machine for easy upgrades
- MODERN – servo direct drives for individual settings and adjustments
- FAST – continuous vacuum transport for premium quality
- ADAPTABLE – adaptive vacuum system to handle different types of corrugated board
- EXPANDABLE – a range of bolt-on options from major suppliers
- SIMPLE – user-friendly Siemens control system with touch screen HMI
- PRACTICAL – format memory storage for repeat orders and automated total machine adjustment
- SAFE – safety standards in compliance with EEC and EU directives and standards
- AVAILABLE – spare parts available 24/7, online remote service and telephone support



YouTube_RD 115S



GERMAN
ENGINEERING

MODULAR MACHINE CONCEPT

Flexible solutions for the complex demands of processing corrugated board

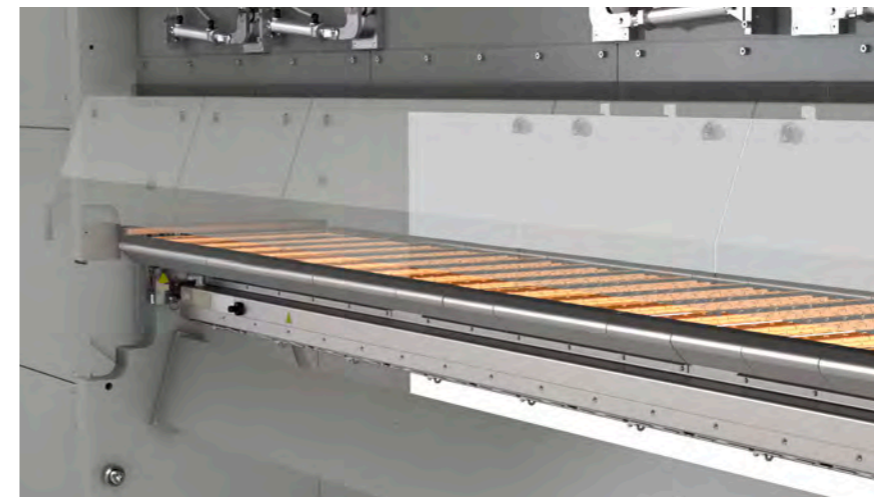
FLEXO-DIRECT PRINTING

For corrugated board packaging and displays



Feeder

- Reliable separating process using a lift grid and four sets of staggered feed wheels
- Wheel shafts and lift grid with servo direct drives
- Feed rollers with independent servo drives
- Option: bolt-on extension for smoother sheet feed into the print unit
- Option: coupling with a prefeeder



Print unit extension

- Available in two versions
- Extends the drying time to avoid downstream processes damaging the print image
- Option: IR drying for fast and effective drying
- Option: Siemens register camera for automated register adjustment when in production

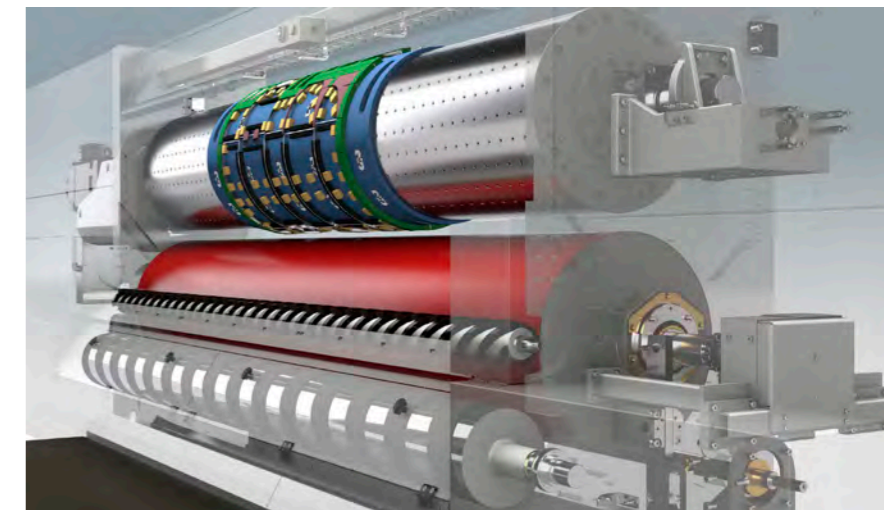
Print units

- Flexographic printing from below
- Up to eight print units
- Three independent servo drives per print unit
- 'Stretch and shrink' function to adjust the print image length
- Integrated washing and cleaning system
- Use water-based printing inks
- Option: innovative pneumatic locking system for the print plate
- Option: changing carriage for the anilox roller



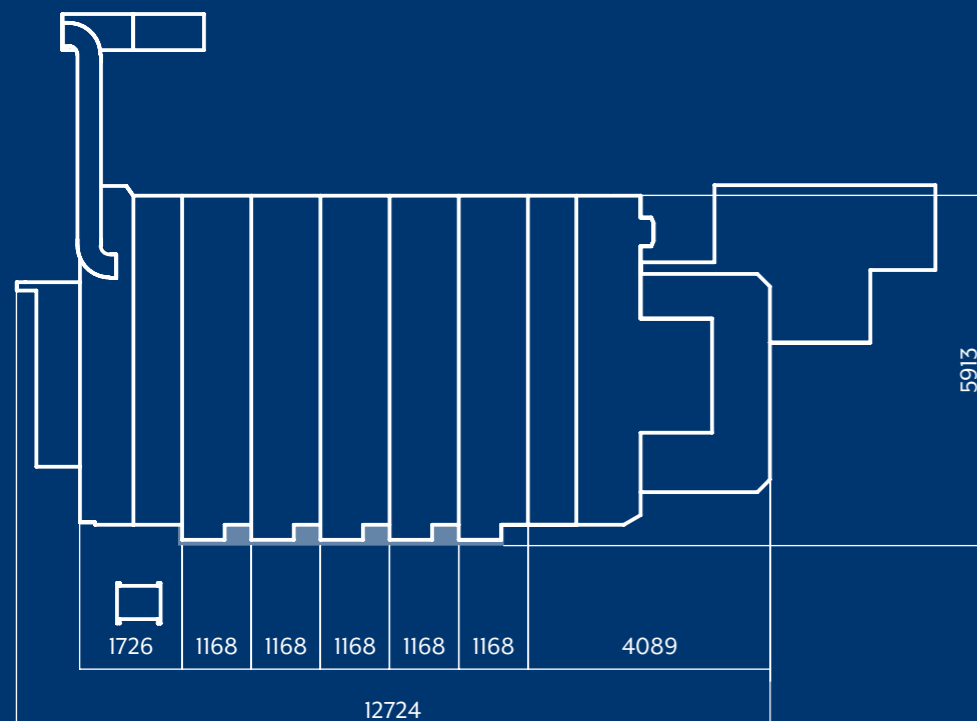
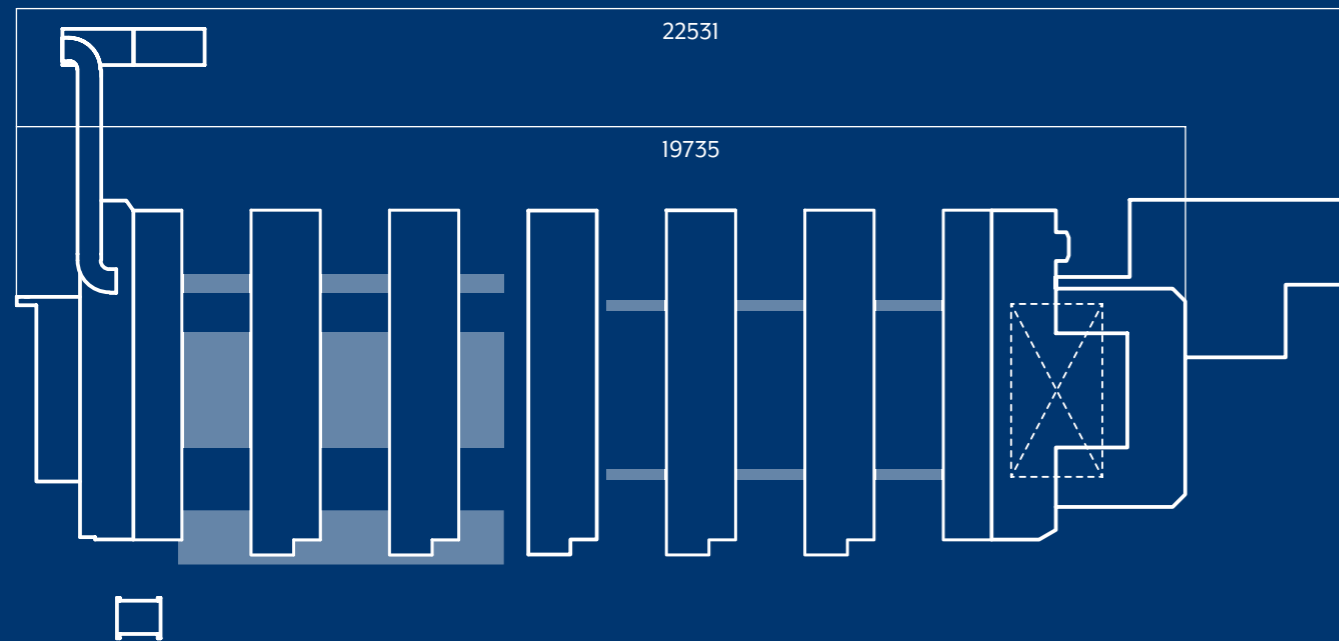
Die Cutter

- Two independent servo drives for optimal die cutting
- Optimise cutting length with 'stretch and shrink' function
- Oscillating movement reduces wear on the anvil surface
- Better cutting results thanks to the automatic grinding of the anvil surface



LAYOUT

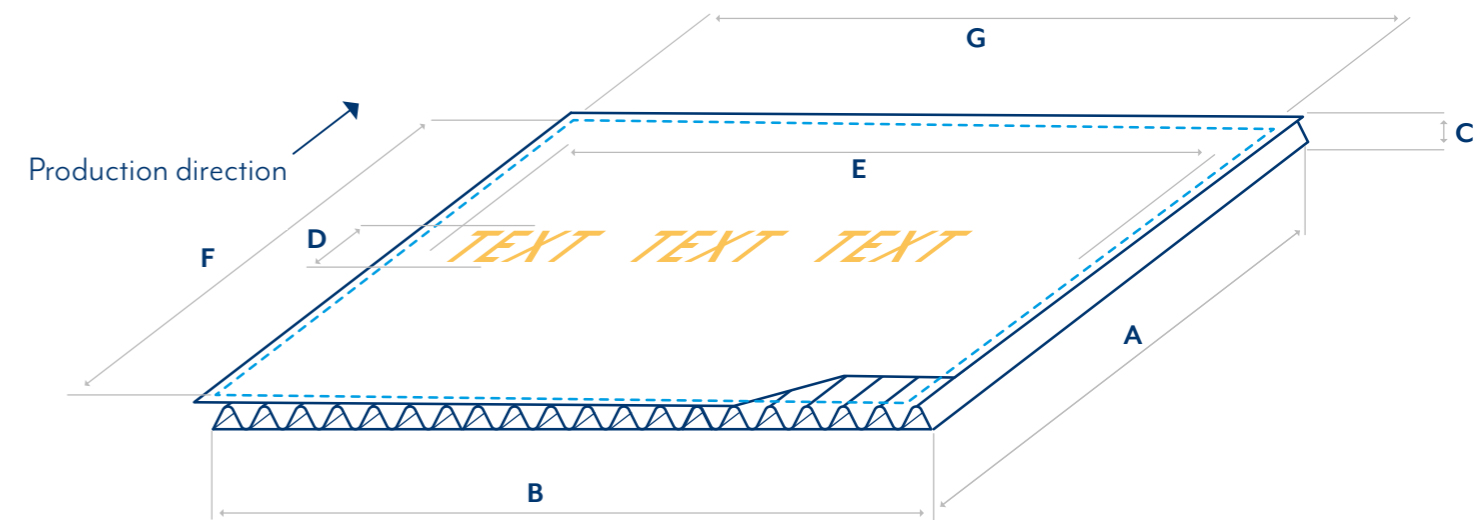
Flexible solutions for complex requirements



RD 115S animation

TECHNICAL DATA

KOLBUS RD 115S



| | Max. |
|------------------------------|------------------------|
| A Feed length | 1,540 mm (min. 450mm) |
| A Feed length with skip feed | 3,080 mm |
| B Sheet width | 2,921 mm (min. 600 mm) |
| C Material thickness | 1 – 14.2 mm |
| D Print length | 1,500 mm |
| E Print width | 2,769 mm |
| F Cutting length | 1,500 mm |
| G Cutting width | 2,790 mm |
| Mech. speed* | 12,000 sheets/h |

* Up to 12,000 sheets/h with input length less than 1,400 mm.

Up to 10,000 sheets/h with input length greater than 1,400 mm

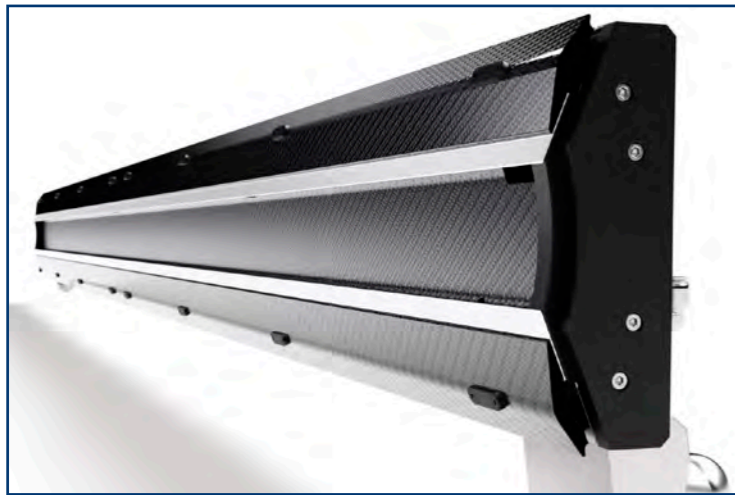
The actual machine speed depends on print and cutting lengths, the thickness of the print plate and whether the 'stretch and shrink' function is used.

OPTIONAL BOLT-ON MODULES

Add-ons for more flexibility and enhanced quality

COPILLOT SYSTEM

Touch panel control for intuitive and ergonomic operation



ABSOLUTE

- Carbon chamber doctor blade
- Optimised ink supply system reduces losses during colour changes and improves print quality
- Improved resistance to print media
- Ink supply via peristaltic pump, ink return via diaphragm pump
- Toolless doctor blade change
- Doctor blade with integrated washing nozzles

Serrapid®

Metric die mount cylinder with quick-change system



ColorDry® XL 3000

Drying system for fast, reliable downstream processing of the printed blanks (without illustration)
jbmachinery.com

Extensions:

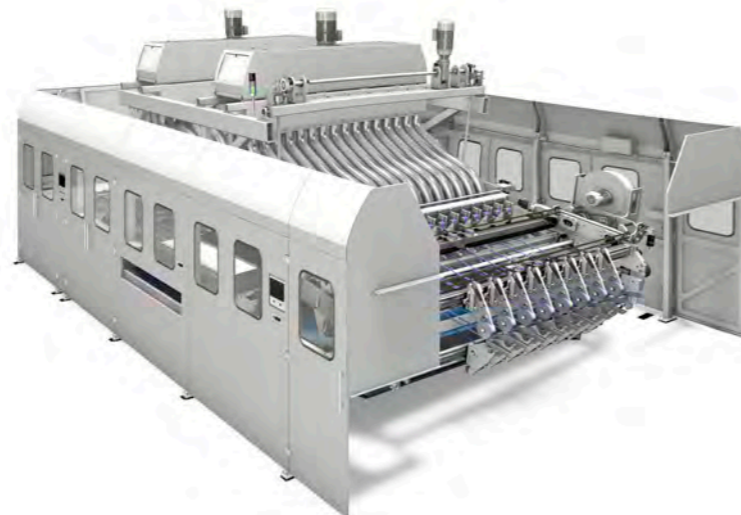
TOP-Print RDPC 115S

Inside print unit

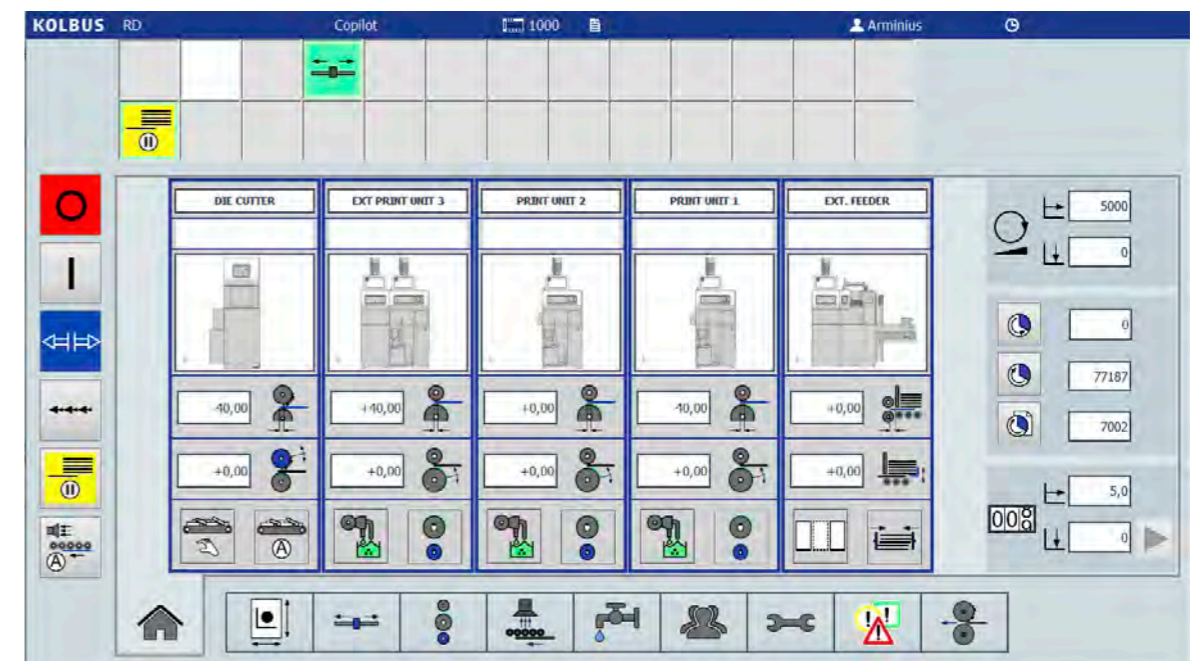
Bundle stacker RDB 115S

Stacks the die cut, printed corrugated board sheets

Creasing and diecutting tools. Various functional extensions on request



- Operation via two independent touch screens (at the infeed and in a console version on the Die Cutter unit)
- Advanced, intuitive operator interface
- Fast access to all relevant operating components
- Icon-based, clearly structured graphics (eg, machine status)
- Siemens SIMOTION D machine control
- Format memory for up to 5000 entries
- Job-settings storage for optimal repeatability (quality, reduced spoilage and waste)
- Start a new job with variable sheet count during start-up



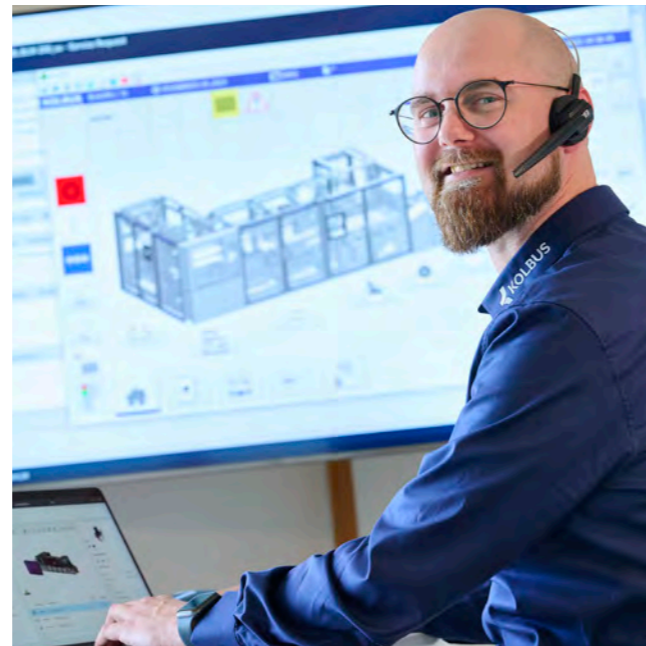
360 DEGREE SERVICE AND MAINTENANCE

All-round service and maintenance for maximum machine up-time

We offer all-round support – from installation to commissioning and throughout the operational life of your machine!

Our aim is to ensure that your machines and systems are available whenever you need them. To achieve this our highly trained and experienced service engineers and your contacts in our subsidiaries and sales agencies provide all-round support.

Online and on-site – around the world.
Choose the reassurance of a service contract tailored to your machine and your production requirements.



Remote Service

- 24/7 support from experienced KOLBUS engineers
- Repairs, service, maintenance, process optimisation
- Online (encrypted connection) or phone support
- Data connection only on request

Your benefits

- Minimal downtime
- Saves travel costs for on-site troubleshooting
- All-inclusive service within the agreed warranty terms



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SPARE PARTS:
**ALWAYS AVAILABLE
FAST**

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