



**REFINE**  
FINISHING

# COMPACT

14"

17"



*The clever way  
to convert*



## ***The clever way to convert***

**Short and simple.** Our converting solutions are clever – we think software, automation, and user-efficiency first. And THEN we build the machinery.

**REFINE is what we do.** Improve and perfect labels and flexible packaging with intelligent converting and finishing solutions.

**REFINE is who we are.** Free in our approach to converting, rid of unwanted processes, focused on crafting the solutions that work for our customers.

**REFINE is here for you.** Represented in multiple showrooms around the world, with a global sales and service network standing by to assist our customers.

# THE COMPACT SERIES

14"  
17"

COMPACT

1

The REFINE Compact Series features 2 advanced digital converting solutions - both available in 14" and 17".

**Compact 1** is the efficient die-cutting solution for finishing of digital and conventional printed labels. Designed for fast job changeovers, low waste, with a short web path, and perfect for ultra short-run productions.

**Compact 2** is the advanced die-cutting and flexo solution, completed with a fully automated flexo printing station with cold foil, spot varnish, spot colors, cold/hot lamination, cast and cure, and multi-layer capabilities. A perfect all-round choice for enhancing and finishing of digital and conventional printed labels.

Ultimately, our solutions provide reduced waste, reduced costs, quicker job changeovers, and enhanced production capacity. Simply put, that's

*The clever way to convert*

COMPACT

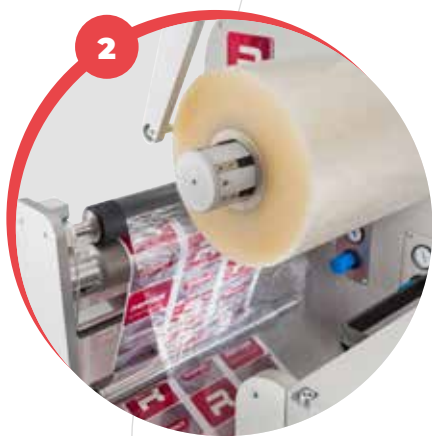
2





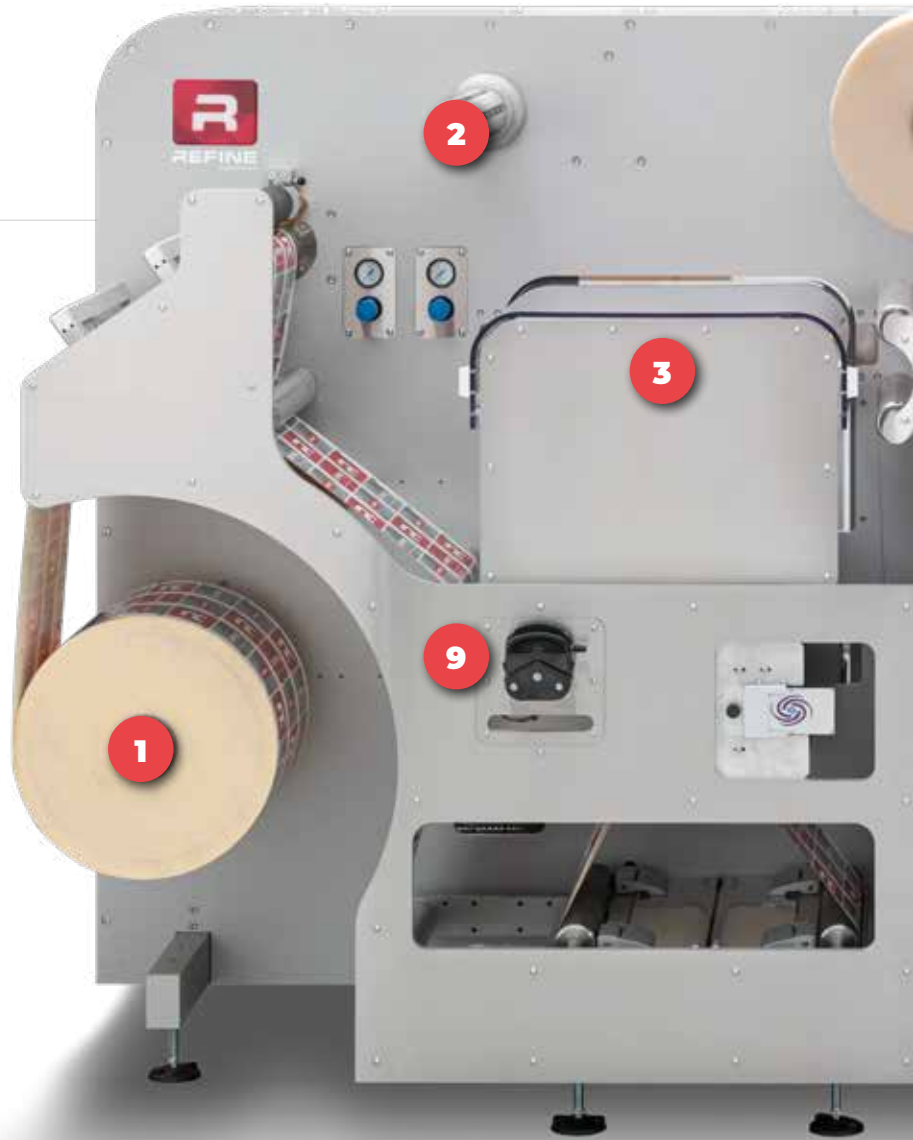
#### Unwind

The servo-driven unwinder automatically pre-tensions the web to prevent waste. Automatic web guide, and stop-function, when the roll is empty.



#### Lamination

Laminating station with silencer arm for noise reduction of a wide variety of laminates. Servo-driven lamination nip for easy tension control. Prepared for production of peel-and-reveal labels.



## COMPACT 2 DIE-CUTTING



#### Flexo Printing Station/ Varnish Unit

Flexo station for semi- and/or full-rotary printing. Designed for quick job changes without manual operation. Servo-control and auto-positioning eye-mark reader for maximum accuracy, and fast setups.



#### Die-Cutting

Semi- and full-rotary die-cutting with pneumatic pressure settings and digitally controlled register adjustment. Ensures consistent pressure and eliminates the risk of overloading tools. Servo-control and auto-positioning eye-mark reader for maximum accuracy, and fast setups.



#### Waste Rewind

No-glue contact, high-speed waste rewind system, reducing the risk of matrix breaks. The use of non-stick coated rollers allows the Compact converting line to produce at very high speeds with fragile waste matrixes.



#### Rewind

Single or dual servo-driven rewinding shafts, fully servo-driven. Taper tension control, by diameter measuring, integrated as standard.



#### Ink Pump

Recirculating system for control of ink and varnish supply.

## AND FLEXP SOLUTION



#### Label Counter

Auto-positioning optic sensor allowing counting of labels with automatic stop-function.



#### Oscillating Razor Slitter

Oscillating razor slitter with accurate, digitally controlled side adjustment. Oscillating razor slitting knives work up to 100 times longer than stationary knives. Optional shear cutting knives.



#### Operator Panel

Advanced HMI-operator panel with full integration of existing IT-infrastructure. Full data integration, i.e. ERP, MIS, supporting XML, JDF, and barcodes. Remote access via laptops, tablets, and smartphones.

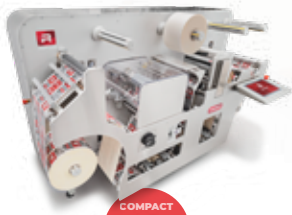
## 2 DEDICATED SOLUTIONS AVAILABLE IN 14" AND 17"



COMPACT  
**1**

### DIE-CUTTING SOLUTION

Complete solution for  
finishing of digital  
and conventional  
printed labels.



COMPACT  
**2**

### DIE-CUTTING AND FLEXO SOLUTION

With the addition of a  
fully automated flexo  
station with cold foil  
and lamination capability.

Features	COMPACT <b>1</b>		COMPACT <b>2</b>	
	14"	17"	14"	17"
HD operator panel	●	●	●	●
Unwind with servo-control	●	●	●	●
Rewind with servo-control	●	●	●	●
Waste rewind with servo-control	●	●	●	●
Die-cutting, semi- and full-rotary	●	●	●	●
Oscillating razor slitter	●	●	●	●
Auto-positioning eye-mark reader	●	●	●	●
Distortion control (DISPRO)	●	●	●	●
Auto-scaling of die-cutting lengths	●	●	●	●
Label counter	●	●	●	●
Flexo unit, full-rotary			●	●
Flexo unit, semi-rotary			○	○
Lamination with silencer	○	○	○	○
Multi-layer label	○	○	○	○
Dual rewind with servo-control	○	○	○	○
Turret rewind with servo-control	○	○	○	○
Cold foil (UV) / lamination (UV)			○	○
UV-LED			○	○
Cast and cure			○	○
Corona treater			○	○
Web cleaner			○	○
Automatic back scoring	○	○	○	○
Rotating shear knives	○	○	○	○

● Standard ○ Optional



# SERVICES

REFINE ensures high product security and performance through standards in operator training, on-site and remote support, maintenance programs, and more.

We offer consulting services in production setups with end-to-end production lines, and

optimized user-efficiency through workflow management.

REFINE is represented by a global team of service technicians, and an international sales network, present in multiple showrooms and technology centers around the world.



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