

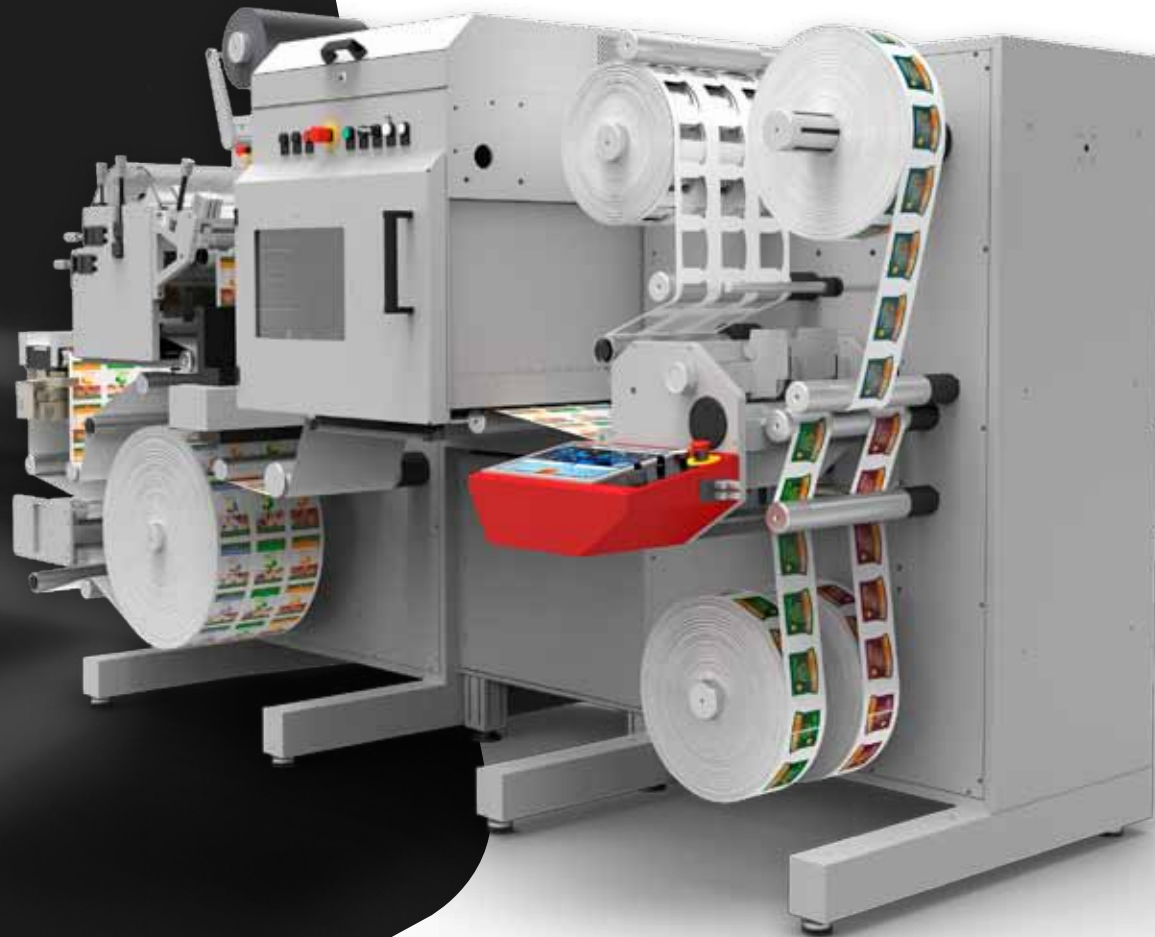


XEIKON LDU

Laser die-cut unit

A COMPACT, ECONOMIC AND FULLY DIGITAL DIECUT SOLUTION FOR SHORT RUN LABELS.

The Xeikon LDU is ideally suited to apply varnish, die-cut, slit and rewind labels, enabling job changeovers with limited or no setup time. The system covers most of the converting needs for the short-run self-adhesive label market and can run off-line or in-line with the Xeikon 3000 Series. The integration with the Xeikon Front-End via the Vectorizer module ensures smooth and automated label production.



LASER DIE-CUT UNIT

specifications

XEIKON FINISHING

All of Xeikon's finishing products are designed to meet the needs and requirements of the markets that Xeikon printing presses are built for.

Key benefits include:

- ◆ Perfect combination of versatility, quality and productivity
- ◆ Perfectly adapted to work seamlessly with the Xeikon printing presses
- ◆ Adapted to handle a broad range of substrates
- ◆ Serviced by dedicated Xeikon engineers

XEIKON

XEIKON INTERNATIONAL BV

T. +31 (0)117 37 50 20 - F. +31 (0)117 37 50 21
Brieversstraat 70 - 4529 GZ Eede - the Netherlands
www.xeikon.com - info@xeikon.com

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TECHNICAL SPECIFICATIONS	
Web width	200 mm - 330 mm (8" to 13")
Substrate type	Paper, PP, Silver PP, PET, Clear PET
Substrate thickness	40 µ - 200 µ (1,57 mil to 7,87 mil)
Diameter of rollers supporting the substrate	90 mm (Ø 3,54")
Web guide	Ultrasonic (standard)
Splice Table	Standard with clamps
Varnishing and lamination station	
Varnish pump	Standard
Flexo station	Flood varnish, 3 roller flexo
Print roller	Standard Ø 97,2 mm, width 324 mm, SH40 (Ø 3,8", width 12,7")
Anilox roller	Standard 120 l/cm - 10 cm³/m² (47,2 lpi - 6,4 BCM); other available on request
UV curing station	Air-cooled, adjustable intensity (15 - 100 %), 5 kW lamp - max. 132 W/cm (52 W/inch)
Lamination station	UV glued or self adhesive lamination with or without backing
	Super gloss
	Max. width 330 mm (13")
	Max. laminate roll diameter 400 mm (15,7"); core diameter 76 mm (3")
	Synrad - CO ₂ sealed (no cost for external CO ₂)
Laser Station	
Power	250 W cont. mode and 800 W peak power
Laser spot size	350 µ (13,78 mil)
Lifetime	4 years or 10,000 hours before swap CO ₂
Working area	Width x Length: 330 mm x 350 mm (13" x 13,78") (with support for unlimited lengths)
Cutting modes	Kiss-cut / perforation / cut through
Speed	Speed range 10 - 30 m/min (30 ft - 90 ft/min) depending on job specs
Output station	
Slitter (standard)	Shear knives, crush knives or razor knives available
Matrix rewinder	Waste matrix removal with pressure roll
Dual Rewinder	500 mm (19,7") maximum reel Ø on upper shaft
	600 mm (23,6") maximum reel Ø on lower shaft
	76 mm (3") core diameter (other diameters upon request)
Roll Lifter	Standard
OPTIONS	
Buffer	Mandatory for inline operation
	Capacity of 48 m (157 ft)
Corona Treatment	Recommended when using Thermal Transfer Ribbon or imprintable varnishes
	1,500 W Vetaphone
Spot varnish	Full rotary - print roller needs to be changed for different repeat
	Sleeve system, print roller set. Repeat length 254 mm - 482 mm (10" - 19")
TECHNICAL INFO	
Length x Width x Height	3,3 m (10,83 ft) x 2,4 m (7,87 ft) x 1,7 m (5,58 ft)
Weight	2,875 kg (6,338 lbs)
Power requirements	3 x 400 V+N+PE, 32 A
Air Supply	5-6 Bar 100 l/h (72 psi - 26,4 gph) dry, water and oil free air
Air Extraction	UV Ø 100 mm (3,94"): 800 m³/h - LASER Ø 160 mm (6,3"): 800 m³/h

direct. dedicated. digital.