UMSD1

Intelligent Printer for Films and Labels

KEY CAPABILITIES

- 200 dpi printing on films and labels
- Real-time dates, times and batch numbers
- No pre-heating — power on and print
- No compressed air supply required
- One HMI controller can run several printers
- Hot-swappable HMI · builds into packing machines
- 350 m ribbon · 0.5 mm minimum print gap

HOT STAMPING, UPGRADED

Replaces a traditional hot stamping coder with no pre-heating and no type to change by hand. Every code prints at a clear 200 dpi instead of drifting with the heating plate, and when the date changes the message is edited on screen in seconds rather than by swapping letters.

LOWER COST, LESS WASTE

Character size, line count and orientation are all adjustable within the print area, and the minimum gap between prints on the ribbon is only 0.5 mm. A 350 m ribbon cuts changeover stops, and the non-toxic, dust-free ribbons leave the packaging material undamaged.

20 m/min
MAX PRINT SPEED

200 DPI
PRINT RESOLUTION

32 mm
MAX PRINT WIDTH

CONFIGURATION & HANDLING

- Print unit weighs just 2.1 kg — simple to mount
- No compressed air supply needed on the line
- One HMI controller can serve several printers
- HMI supports hot swap for fast changeover
- Builds into existing packaging and bagging machines
- On-screen editing plus PC editing software

TECHNICAL PARAMETERS

MACHINE	
Print Features	Time, date, real-time clock, variables, text and graphics
Editing	On-screen HMI controller · PC editing software
Operation	One HMI can run several printers · hot swap supported · builds into packaging machines
Communications	USB · RS485
Power Supply	AC 90–264 V · 2 A · 50/60 Hz · 48 W output
Air Supply	Not required — no compressed air needed on the line
Operating Environment	0 °C to 40 °C · 10 % to 90 % relative humidity, non-condensing
Weight	Print unit 2.1 kg · controller 0.48 kg
Dimensions	Print unit 158 x 149 x 114 mm · controller 210 x 135 x 36 mm

PRINTING & CONSUMABLES	
Printhead	**UMSD1-24: 24 mm at 200 dpi · UMSD1-32: 32 mm at 200 dpi**
Print Area	UMSD1-24: 24 x 15 mm · UMSD1-32: 32 x 15 mm
Minimum Print Gap	0.5 mm between prints on the ribbon
Print Speed	**Up to 20 m/min**
Print Frequency	**Up to 200 prints/min**
Ribbon Length	350 m
Ribbon Width	UMSD1-24: 25 mm · UMSD1-32: 33 mm
Ribbon Grades	DP and DG wax/resin · DC enhanced wax/resin · DT resin · DN high-resistance resin
Substrates	Films and labels · no damage to the packaging material
Print Contents	Real-time dates and times, expiry and manufacture dates, batch and serial numbers, text and graphics

APPLICATIONS & PRINT SAMPLES

Specifications are indicative and subject to change without notice.

Printed labels

Flexible film

Vials & bottles