



MUNDISCAN

60-80-100-120W SCRIBING LASER SYSTEM

MUNDI TECHNOLOGY

LASER CODING | PRODUCT INSPECTION

The most powerful and fastest laser coding system

The MundiScan laser is the most powerful and fastest laser of its kind. It can on the pallet station, using the standard curve write two lines of text at a rate of 70 000 labels per hour. This means approximately 20 labels per second. The laser is IP66 waterproof and has a power output of 120W. Peak power of up to 250W.

Benefits

The MundiScan laser offers you the highest coding quality. In addition, you can take advantage of the following:

- Increased line efficiency.

- Lower operational costs.
- Flexible, durable coding for better product traceability.

Characteristics

- Great flexibility in coding applications, such as vertical coding and various character sizes per line.
- Different printhead and focus lens options for various applications.
- Laser capacity up to 250W.
- Suitable for wet and dusty environments.
- Extremely high coding speed.
- Easily integrated into existing production lines and machines.

- Can be mounted horizontally above machine.
- Various options for connecting to the network.
- Extremely reliable thanks to its over dimensioned components.
- Long lifetime.
- Virtually maintenance-free.



Lasercode on glas



Lasercode on PET



Lasercode on (wet) etiket



TECHNICAL DATA MUNDISCAN LASER

Laser Characteristics	
Type	Sealed CO2, RF excited SLAB (9.3/10.6µm)
Power	Variable up to 120W (peak power 250W)
Performance	
Line Speed (Max)	0-500m/min (static or 'on the fly' marking)
Characters/second (Max)	1200
Software	
Operating System	Windows XP Embedded
Principal features	Fixed text, date/time with offset, custom date, incremental counters, operator fields, logo's, barcodes, bitmaps and composite fields. Serial, Digital and Ethernet.
- (Field types)	
- (Control options)	
Code Characteristics	
Scan area (standard) & Character height	70mm/105mm/140mm/210mm --- 1mm – 50mm
Articulated beam delivery	
Reach	1.6m (7 knuckle)
Head-to-product distance (nominal)	100mm
Multi-axis head positioning	Standard
Display/Keypad	
Remote VGA display (colour) and Qwerty keypad	Standard
Fabrication	
Cabinet	316 Stainless Steel
Beam delivery	Nickel Plated Aluminium
Scan head	Silver Anodised Aluminium
Dimensions and weights	
System (main cabinet)	800mm(l) x 550mm(w) x 275mm(h) Air 1025mm(l) x 550mm(w) x 275mm(h) 98.5mm(h) x 69mm(w) x 77.9mm(d) 114mm(h) x 96.5mm(w) x 94mm(d) 157.5mm(h) x 99.5mm(w) x 102mm(d) Water Cooled 103kg - Air Cooled 115kg
Water Cooled	
Cooled	
Scancube 7	
Scancube 10	
Scancube 14	
Weight (total system)	
Electrical Ratings	
Voltage & Typical Power consumption	200 to 240 v ± 10%; 50/60 Hz; single phase/ line to line -- 2kW
Interface Inputs	
Product detector	Two independent inputs for NPN or PNP 24 or 12Vdc Input for control of variable speed production lines, dual channel quadrature input, max 200 KHz
Shaft encoder	
Interlocks	Two indep. inputs for provision of a remote e-stop and remote guard Input for the provision of externally enabling or disabling the system
System enables	
Extractor fault	Input for monitoring the status of the extractor RS232, with Ethernet options
Remote Control/File Download	
Interface Outputs	
Product detector output	Two outputs for monitoring the two detector input signals
System on	Output for monitoring the on/off power
Ready to print	Output for monitoring the status i.e. Standby or Ready to Print
Product reject	Output for rejecting unmarked product
Shutter status	Two independent outputs for monitoring the safety shutter status
Extractor enables	Output to enable the extractor when the system is ready to print Good
mark	Output for monitoring of the status of each individual mark
Maintenance required	Output for indication that maintenance is required
System fault	Output for monitoring when the system has a fault
Humidity	10 to 90%, non condensing
Compressed air Lens protection (Air curtain)	20psig 25 litres/min, purified
Cooling	
Type (4)	Integral (external water) – Standard
Operating temperature (Air cooled)	+5 to +35°C (Above dew point)
Operating temperature (Closed cycle) temperature	+5 to +40°C (Above dew point) Storage -10 to +70°C
Sealing Rating	IP66
Options	Air cooled (air to water) system -- Spatial filter -- Galvo aperture (7mm, 10mm or 14mm)

