

# F520i Fibre Laser

Indelible coding at top production speeds

The **F520i** fibre laser is a reliable and efficient coding solution, designed for high-quality, abrasion-resistant marking on foils, metals and sturdy plastics. When a large amount of high-contrast characters need to be coded at top line speeds, the **F520i** is the first choice for manufacturers across the food, electronics, automotive and pharmaceutical industries.

## Optimise Total Cost of Ownership

- ◆ Consistent high quality eliminates waste
- ◆ Designed for the needs of a 24/7 production process
- ◆ Sustainable production without fluids or consumables
- ◆ New-design cooling system for low energy consumption

## Code more content at high-speeds

- ◆ Unique 3D power concentration – short, intense pulses achieve increased marking speeds
- ◆ Clean and clear indelible marking with high contrast even on high-speed lines

## Ensure stable laser performance in your environment

- ◆ Non-stop production at temperatures up to 45°C
- ◆ IP65 rating – ready for harsh production environments

## Protect your brand and create marketing possibilities

- ◆ Be creative with content to inform and engage with customers
- ◆ Permanent codes help assure traceability and tamper-proofing



## F520i Technical Specifications

Text	Full unicode support / 32 different fonts
Graphics & logos	Imported *.bmp (monochrome), *.plt, *.dxf
MRC (1-D and 2-D codes)	✓
Operating temperature	5-35°C (optional up to 45°C)
Humidity	Max. 90% RH, non-condensing
Ingress protection (print head)	IP65
Ingress protection (cabinet)	IP55 (optional IP65)
Laser type	Pulsed fiber laser
Laser power	50W
Laser wavelength	1059 – 1065nm
Pulse peak power	12kW
Conduit length	2.7m (8.9ft)
Power consumption	420VA average (70VA idle)
USB port	✓
RS232 port	✓
Ethernet (10/100 Mbit)	✓
Ethernet/IP	Optional
Laser source life time	100.000h (MTBF)

Not to scale. For illustrative purposes only.

