

# Advantage Fiber Laser Markers

High Speed 24/7 permanent high quality coding, ideal for most applications



## Intelligent • High Speed • Low Maintenance

- > Compact size to integrate into any production line.
- > Very low power consumption!
- > Prints onto most materials
- > Impressive marking speed, of up to 1000 characters per second, or 200m/minute
- > IP55 Rated. Enhanced anti-electromagnetic design ensures stable operation in the harshest environment
- > Easy to use; The innovative interface is simple to learn. Control the laser with an easy-to-use interface reducing the risk of product rework and recalls.
- > High efficiency cooling for low maintenance and a long lifespan
- > No consumables required for true 24/7 operation without downtime, saving you money

### Fiber Laser Headlines

Principle	Thermal interaction
Focable length deviation	+ / - 1mm
Ambient temperature	Up to 45 degrees C
IP Rate	IP55
Laser tube life	8 years
Smoke	Very little. Extraction not needed

### Visible and Invisible Laser Radiation

Avoid eye or skin exposure to direct or scattered radiation  
 Max average power: 50w • Max pulse energy: 11 Mj  
 Pulse duration: 1-300 ns • Wavelength: 1040-1090 nm • Laser class: 4



# TECHNICAL SPECIFICATION

## LAF20 FEATURES

- > Fiber, 1064nm, MTBF 100,000 hrs
- > Laser Power; 20w
- > Characters per second; 700
- > Print Speed M/Minute; 120m
- > IP55 Rated. IP65 Optional
- > Lines; unlimited within marking area
- > Height; 0.8mm-Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Rectangle, Polygon, Circle
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm standard  
50x50-210x210 optional
- > Focal Lens (FL); 63mm-330mm

MA	50	70	110	140	175	210
FL	63	100	163	210	254	330

## OPERATION

- > Power; 90-264V AC, 47-63Hz, 800W
- > Operating Environment; -6-45° C,
- > Relative Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

## DIMENSIONS

- > Laser; 545.3mm L x 96.5mm W x 110.1mm H
- > Controller; 420mm L x 300mm W x 180mm H

## OPTIONAL ACCESSORIES

- > Mounting Brackets
- > Safety Guards
- > XL Series Air Extractor
- > Laser Cabinets

Please refer to the relevant datasheets for more details. Prior to any quotations, we will undertake a site-survey to identify which accessories you need for your set-up.

## DK CODING SOLUTIONS LTD

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## LAF30 FEATURES

- > Fiber, 1064nm, MTBF 100,000 hrs
- > Laser Power; 30w
- > Characters per second; 1000
- > Print Speed M/Minute; 200m
- > IP55 Rated. IP65 Optional
- > Lines; unlimited within marking area
- > Height; 0.8mm-Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Rectangle, Polygon, Circle
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm standard.  
50x50-210x210 optional
- > Focal Lens (FL); 63mm-330mm

MA	50	70	110	140	175	210
FL	63	100	163	210	254	330

## OPERATION

- > Power; 90-264V AC, 47-63Hz, 800W
- > Operating Environment; -6-45° C,
- > Relative Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

## DIMENSIONS

- > Laser; 545.3mm x L 96.5mm W x 110.1mm H
- > Controller; 420mm L x 300mm W x 180mm H



## LAF50 FEATURES

- > Fiber, 1064nm, MTBF 100,000 hrs
- > Laser Power; 50W
- > Characters per second; TBC
- > Print Speed M/Minute; TBC
- > IP55 Rated. IP65 Optional
- > Lines; unlimited within marking area
- > Height; 0.8mm-Max marking area
- > Fonts; 26. Multi-language support
- > QR, Code128, Code39 & Data-Matrix Code
- > Graphics; BMP/DXF/HPGL/JPEG
- > Elements; Point, Linear Arc, Ellipse, Rectangle, Polygon, Circle
- > Variables; Serial Number, Text, Date, Time, Counter, Shift Code
- > Marking Area (MA); 110x110mm. standard  
50x50-210x210 optional
- > Focal Lens (FL); 63mm-330mm

MA	50	70	110	140	175	210
FL	63	100	163	210	254	330

## OPERATION

- > Power; 90-264V AC, 47-63Hz, 800W
- > Operating Environment; -6-45° C,
- > Relative Humidity; 10-90%, non-condensing
- > Cooling System; Air Cooling
- > 10.1" colour touch screen
- > RS232, Ethernet (10/100Mbit), USB

## DIMENSIONS

- > Laser; 545.3mm L x 96.5mm W x 110.1mm H
- > Controller; 420mm L x 300mm W x 180mm H



# DK CODING SOLUTIONS

TRADING DIVISION OF **TPS**  
Thermal Printer Support Ltd