Applications:
Thick Section Seam Welding
High Speed Welding

JK2003SM
High performance CW Nd:YAG laser with Supermodulation™

Advantages
Unique Supermodulation™ giving Increased maximum peak power
Greater flexibility for a range of applications
Luminator™ fiber beam delivery
Patented back reflection protection
Fully integrated time and energy-share system
LaserView™ software
Precise parameter controls
Simple optimisation of production processes
Providing the widest operating range in its class, the versatile JK2003SM with Supermodulation™ as standard, combines advanced performance with increased efficiency for a variety of cutting and welding applications.

**Model**
JK2003SM

**Performance Data**
- Max. Average Power (W): 2000
- Max. Modulated Peak Power (W): 4000
- Beam Quality (½ Angle.radius) (mm.mrad): 24
- Output Modulation Modes: CW, Sine, Square wave
- Modulation Frequency (Hz): 100 - 1000

**Fibre Beam Delivery Options**
- Fiber Core Diameter (µm): 600
- Delivery Options: Up to 4 way time share
- Timeshare Switching Time (ms): <50
- Standard Fiber lengths - Optional Bendlock for dynamic applications (m): 5, 10, 15, 30 and 50

**Process Tools Options**
- Standard Range of Spot Sizes (mm): 0.3 - 0.9
- Straight or right angle process tools. Right angle heads available with co-axial CCTV

**Environmental Data**
- Cooling Water Requiremements: 107 l/min, 28.2 US gal/min at 13°C
- Max. Inlet Pressure (bar): 7.5
- Max. Pressure Drop (bar): 3
- Cooling Requirements (kW): 70
- Max. Pressure Drop (bar): 70
- Supply Voltage and Frequencies: 380 - 415V ± 10% @ 50Hz
- Supply Rating (kVA): 76
- Ambient Temperature (°C): 5 - 40
- Max. Humidity: 95% RH @ 20°C, 50% RH @ 40°C
- W x H x D (mm/inches): 2700 x 1233 x 931 / 106 x 48.5 x 36.6
- Weight (kg): 800

**Product Code Selection Guide**

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