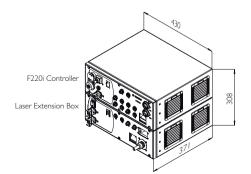
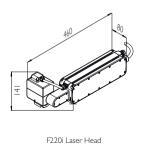


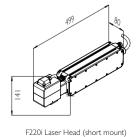
Technical Specification:

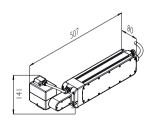
| | F220i |
|--|---|
| Laser Type Laser Wavelength Laser Power Pulse Peak Power | Pulsed Fibre Laser with adjustable waveform (expected laser source life of over 100.000 hours) 1059 - 1065nm 20W (Maximum Average Output Power) More than 12 kW |
| Marking Features Characters per Second Product Line speed Number of Lines of Text Character Height Fonts & code types Marking Field Focal Length / spot size | 2000* 600m/min* (1970ft/min*) As many as desired 0.3mm (0.01in) to size of marking field 24 fonts, multi-language including Unicode, logos, bar codes, 2D codes, graphics 118 × 118mm, 229 × 229mm (4.6 × 4.6in, 9.0 × 9.0in) 160mm (6.3in) / ~70μm, 300mm (11.8in) / ~130μm |
| User Interface | Web Browser-based Graphical User Interface (GUI) (optional TouchPanel available) WYSIWYG entry, control language in English, German, French, Czech, Danish, Spanish, Finnish, Greek, Hungarian, Italian, Japanese, Dutch, Portuguese, Polish, Chinese, Korean, Romanian, Russian, Swedish, Slovak, Turkish, Arabic |
| Operating System | Windows CE |
| Marking Software | Dynamark III Laser Marking Software |
| Scan Head | i-Tech Scan Head, mountable in various orientations including axial and radial |
| Laser Head | Stainless steel and anodised aluminium construction |
| Weight & Dimensions (approx.) Laser Head Laser Head with shutter (WxDxH) Laser Extension Box Controller Fibre and conduit | 6.7kg, 460 × 80 × 141mm (14.8lbs 18.1 × 3.1 × 5.6in) 6.9kg, 507 × 80 × 141mm (15.2lbs 20.0 × 3.1 × 5.6in) 21.0kg, 430 × 371 × 154mm (46.3lbs 16.9 × 14.6 × 6.1in) 14.5kg, 430 × 371 × 154mm (32.0lbs 16.9 × 14.6 × 6.1in) 2.7m (8.9ft) between laser extension box and laser head |
| Inputs & Outputs Product Detect Inputs Product Speed Detect Signal Inputs / Outputs | NPN / PNP / 24V – Sensor Shaft Encoder (differential) or Steady Signal Laser Ready, Busy Signal, fume extractor control, compressed air control |
| Interfaces | RS232, Ethernet (10/100 MBit), USB Port |
| Electrical Requirements | 90-264V, 47-63Hz, 1120VA |
| Environment Controller Laser extension Box Laser head Environmental Standard Operating | Standard Version (air cooled, fan) Standard Version (air cooled, fan) IP65 protected version (no cooling required) Operating Temperature 5° to 40° C (41° to 104° F) / higher temperatures on request. Operating Humidity Max. 90% RH, non-condensing |
| Options | Aiming Beam, User Port Kit I/O, Fume Extraction Shroud, Shutter, Connecting Cable Kit 0.5m (1.6ft) optional: 4.5m (14.8ft), 9m (29.5ft), USB Image Backup/Restore Kit, Rack Mounting Kit, Daisy-Chaining, i-Tech RapidScan technology |

All data regarding wave form 0 *Substrate, pitch and code dependent **Dimensions measured overall for shortest version









F220i Laser Head with shutter







