**A person with a blue head

Description automatically generated with medium confidence**

**Specifications LV Series**

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| **Model** | **LV-290** |
| **Laser source** | 40W CO₂ laser |
| **Work Area** | When with SmartVISION Pro CCD: 550 x 440 mm (21.6 x 17.3 in.)  When without SmartVISION Pro CCD: 640 x 460 mm (25.1 x 18.1 in.), Extendable to 740 x 460 mm (29.1 x 18.1 in.) |
| **Maximum Part Size (W x L x H)** | 762 x 482.6 x 165 mm (30 x 19 x 6.4 in.) |
| **Table size** | 790 x 530 mm (31.1 x 20.8 in.) |
| **Dimensions (W x L x H)** | 1125 x 720 x 1005 mm (44.2 x 28.3 x 39.5 in.) |
| **Weight** | 167 kg (369 lb) |
| **Cooling** | Air-cooled. Operating environment temperature 15°-30°C (60° - 86°F) |
| **Drive** | Closed-loop DC Servo control |
| **Maximum Motor Speed** | When with SmartVISION Pro CCD: 1016 mm/s (40 in./s). When without SmartVISION Pro CCD: 1524 mm/s (60 in./s) |
| **Speed Control** | Adjustable from 0.1-100% (Up to 16 colour-linked speed settings per job) |
| **Power Control** | Adjustable from 0-100% (UP to 16 colour-linked power setting per job) |
| **Distance Accuracy** | 0.254 mm or 0.1% of move, whichever is greater |
| **Z-Axis Movement** | Automatic |
| **Focus lens** | Standard 2.0 in., optional 1.5 in., 2.5 in. and 4.0 in. available |
| **Resolution (DPI)** | Available 125, 250, 300, 380, 500, 600, 760, 1000, 1500 |
| **Computer Interface** | Full-speed USB 2.0 port, 10 Base-T Ethernet |
| **Memory Buffer** | 32MB standard |
| **Compatible Operating Systems** | Windows® 7, 8.1, 10 |
| **Display Panel** | 4-line LCD panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus. |
| **Safety** | Class I Laser Product Compliant with EN60825 |
| Class II Laser Product Compliant with CDRH |
| 2006/42/EC Machinery Directive Compliance |
| **Operation Voltage** | 100-240VAC, 50-60Hz Auto Switching, max. 15A |
| **Fume Extraction System** | External exhaust system required, one 4 in. connection on the back of the machine |
| **Included items** | Power cable, ethernet cable, USB cable, user's guide, cleaning tissue, mirror cleaner, etc. |

Specifications are subject to change without prior notice.  
Caution—Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

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