# SPECIFICATIONS SHEET



# FARGO® HDP8500LE
## Card Laser Engraver

| FEATURES | |
|---|---|
| **Dual-Sided Printing** | Standard |
| **Warranty** | Printer: 3 years; Laser module: 2 years; Laser diode: 5000 hours |
| **LASER ENGRAVER CHARACTERISTICS** | |
| **Laser Type** | 7W air cooled DPSS laser |
| **Card Material Types** | Polycarbonate cards recommended, accepts ABS, PC, PET, PETG, comp. |
| **Laser Personalization Types** | Sub-surface and tactile laser engraving, microtext, MLI/CLI |
| **Communication Interface** | Ethernet LAN |
| **Registration Capability** | Optional Camera Vision System |
| **Laser Resolution** | 600 DPI |
| **Laser Speed** | Up to 2300 cards per 8-hour shift depending on amount of data (laser only)* |
| **Power Input** | 1 00-240 VAC, 8.5 A MAX, 50 Hz - 60 Hz |
| **Operating Environment** | 60°F to 90°F (15°C to 32°C), 20% to 80% non condensing humidity |
| **Certifications** | Class 1 Laser, UL, CE, FCC Class-A |
| **SECURITY STANDARDS** | |
| **Printer Password Protection** | Yes (Workbench and display) |
| **Locking Card Input & Output Hoppers** | Yes |
| **Lockable Printer, Engraver and Laminator Housing** | Yes |
| **COLOR PRINTING STANDARDS** | |
| **Print Resolution** | 300 DPI |
| **Single-side YMC* Print Speed** | Up to 1200 cards per 8-hour shift/24 seconds per card (YMC with transfer)* |
| **Single-side YMCK* Print Speed** | Up to 992 cards per 8-hour shift/29 seconds per card (YMCK with transfer)* |
| **Dual-side YMCKK* Print Speed** | Up to 720 cards per 8-hour shift/40 seconds per card (YMCKK with transfer)* |
| **Multiple Print Mode Selection** | Yes |
| **Simultaneous Printing/Encoding** | Yes |
| **Memory** | 32MB RAM |
| **Supported Software Drivers** | Windows® XP / Server 2003 / Vista (32 bit & 64 bit) / Server 2008 R2 (64 bit)/ 7 (32 & 64 bit); Mac OS X v10.4 / v10.5; and Linux*** |
| **Power Input** | 100-240 VAC, 3.5 A MAX, 50 Hz - 60 Hz |
| **Certifications** | UL, CE, IC, FCC Class-A, CCC, BSMI, KC, MIC, S-Mark |
| **USER INTERFACE STANDARDS** | |
| **Touch Screen Display** | 3.2" display for status and help information |
| **ENVIRONMENTAL STANDARDS** | |
| **Dual-Cooling Fans** | Yes |
| **Replaceable Fan Filter** | Yes |
| **CARD STANDARDS** | |
| **Card Size** | CR-80 only |
| **Card Input Capacity (2 Hoppers)** | 400 cards (.030" / .762mm) |
| **Dual Input Hopper Capability** | YES |
| **Card Output Capacity (1 Hopper)** | 200 cards (.030" / .762mm) |
| **Card Thickness** | Laser module: 30 mil only (.030" / .762mm) |
| **Card Exception Feed** | YES |
| **RIBBON STANDARDS** | |
| **Cartridge Loadable Ribbons** | Yes |
| **Fluorescing/UV Ribbon** | Yes |
| **Full-Color – YMC* (maximum images per roll)** | 750 |
| **Full-Color – YMCK* (maximum images per roll)** | 500 |
| **Full-Color – YMCKK* (maximum images per roll)** | 500 |
| **Full-Color – Half-Panel YMCK* (maximum images per roll)** | 1000 |
| **HDP Film (maximum images per roll)** | 1500 |
| **PHYSICAL CHARACTERISTICS** | |
| **Dimensions and Weight (printer)** | 15.5" H x 28.2" W x 14.0" D / 394mmH x 716mmW x 356mmD |
| **Dimensions and Weight (laminator)** | 13.5" H x 15.0" W x 14.0" D (343mmH x 381mmW x 356mmD); 29 lbs/13.2 kg |
| **Dimensions and Weight (laser engraver)** | 20.5" H x 10.0" W x 20.0" D (521mmH x 254mmW x 508mmD); 88 lbs/40.0 kg |
| **Heavy-Duty Metal Enclosure** | Yes |
| **Weight (printer only)** | Dual-sided only: 61 lbs / 27.7 kg |
| **Heavy Duty Metal Enclosure** | Yes |
| **Fully Accessible Card Path** | Yes |
| **OPTIONS** | |
| **Dual-Sided Simultaneous Lamination**** | Yes |
| **Andon Production Status Light**** | Yes |
| **ISO Card Flattener** | Yes |
| **Encoders: ISO Mag Stripe, Contactless & Contact Smart Cards **** | Yes |



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*Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, I=Inhibit, F=Fluorescing, H=Heat Seal.
**Option available from factory or as a field upgrade.
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