

GEO F-SERIES

IN-LINE THERMAL TRANSFER PRINTING SYSTEMS

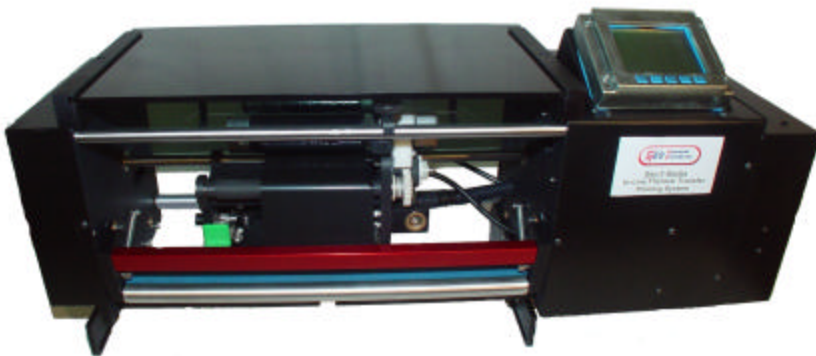


The Best Just Got Better! Again!

Geo Packaging Systems has been leading the way with In-Line Thermal Transfer package printers since 1989. For years, the GEO "PLUS" & "PLUS II" printers have proven themselves as two of the most reliable printers in the field. With the Geo "F-Series" we've taken it to the next level.

Features of the Geo F-Series:

- *State-of-the-Art Digital Technology*
- *Superior Print Quality*
- *Prints Text, Graphics, & Barcodes*
- *Print Speeds Up to 12" Per Second*
- *Adjustment-Free*
- *Simple and Reliable Operation*
- *Compact Modular Design*
- *Ribbon Saver*
- *Industrial Construction*
- *Minimal, Low Cost Maintenance*
- *Perfect for Bag On A Roll, C-Fold, or Form/Fill/Seal Packagers*



Geo F-Series



An Extremely Versatile Printer

The GEO "F-Series" printer is superior when it comes to printing **crisp, dark, durable images** on virtually any type of flexible packaging material. The F-Series uses a Datamax A-Class family of advanced print engines which includes a number of innovative design features such as: a modular electronics card cage, remote control panel and full graphic display. The compact, open-architecture printer can be installed and operated on all brands of intermittent motion packagers and can be mounted right side up or upside down to print on either side of the film. Five available models will accommodate **film sizes up to 36" wide**.

Any type of information or designs can be printed directly on your package with the Geo F-Series. The 2" to 6.7" wide print head allows for **large print areas**, and **digital thermal transfer technology** gives you the flexibility to print over 15 different types of bar codes, text (including TrueType fonts), custom graphics and logos, nutrition panels, lot codes and time/date stamps or database fields.

Unmatched Cost Savings

Did you know that thermal transfer printing is the fastest, simple, and **most economical** way to print on a package? When you add up equipment, ribbon, and maintenance costs, the **Geo F-Series** has a lower per-package cost than hot stamp **or** labor intensive print-and-apply labeling.

The Geo F-Series is constructed specifically for use in industrial environments and contains **fewer moving parts** and is **adjustment-free**. Use the Geo F-Series for your on-demand package printing needs and you are guaranteed to maximize production time, keep maintenance costs low, and ensure that the 1,000,000th print will look just as good as the first.

With the Geo F-Series you not only get the best thermal transfer package printer available but also access to **extensive and prompt customer support** that makes Geo Packaging Systems a stand-out in the industry. Give us a call now and let us show you what we can do for you!

Geo Packaging Systems, Inc.

275 East 131st Street
Cleveland, Ohio 44108

Phone: 216-451-7881 Fax: 216-451-4952

E-Mail: sales@geopackaging.com Web: www.geopackaging.com

GEO F-SERIES

IN-LINE THERMAL TRANSFER PRINTING SYSTEMS



STANDARD FEATURES

- Modular Construction:** Made with Anodized aluminum, sealed bearings, pre-lubricated bronze bushings.
- Print Engine:** Datamax A Class.
- Print head:** High quality 203 & 300 dpi, thermal transfer type.
- Resident Bar Codes:** Code 3 of 9, UPC-A, UPC-E, Interleaved 2 of 5, Code 128, EAN-8, EAN-13, HIBC, Codabar, Plessey, UPC 2 & 5 digit addendums, Code 93, Postnet, UCC/EAN Code 128, Telepen, UPS MaxiCode, FIM, PDF417, USD8, Data-matrix, QR Code, Aztec, TLC 39, Micro PDF417, RSS
- Resident Character Set:** Nine Alpha-Numeric Fonts (expandable X & Y from .035" high to 16" high) including OCR-A,B and a CG Triumvirate smooth font containing 10 point sizes.
- Aux. Equipment I/O:** Input— Begin print cycle.
Output—Printer on, printer busy, printer ready.
(Two RS-232 serial interfaces, 9pin; One IEEE 1284 compliant parallel interface; One USB v1.1 interface; RS422/RS485 interface; One applicator interface port (15pin) w/programmable inputs and outputs.)
- Memory:** - 4MB FLASH downloadable program memory
- 16MB DRAM memory
- Graphics:** - Graphics LCD control display with backlight
- Languages:** - English, French, Italian, German and Spanish (EFIGS) LCD Languages.

STANDARD FEATURES

- Fonts:** - AGFA Scalable Font Engine with CG Triumvirate Scalable (regular & bold) fonts.
- Features:** - Time & battery back up.
- Static brushes.
- Host Computer accessible RAM/Flash memory for object temporary storage.
- DPL command language.
- Slide in style card cage.
- Fault handling with reprint or void selection.
- Parse error-tolerant command language interpretation.
- Internal test labels for printhead verification, print quality validation, and internal configuration.
- Resident multiple setup store and restore capability.
- Time stamp at print capability.
- Paper retract control after print.
- Ribbon low detection and warning.
- Power up diagnostics.
- Resident option hardware diagnostics.
- Diagnostic display and modes.
- Media counters.
- Input line mode (ASCII text input) capability.
- Option hardware auto-detection.
- Scalable Font dynamic font attributes, bold & italics.
- Firmware upgrades downloadable.
- Audible alert.
- Security:** -Front panel security.

SPECIFICATIONS

- Print Speed:** Up to 12" per second
- Print Area:** 6.7" wide maximum x 20" long
- Software Compatibility:** Any label formatting software compatible with the Datamax A Class
- Ribbon Type:** Thermal transfer, black or colored, Coated side in 2" - 6.7" wide x 2000' long maximum

SPECIFICATIONS

- Flexible film types:** High and low density Polyethylene and Polypropylene, metallized polys, tyvek, vinyl, polyester, foil, cello, bags-on-a-roll, pre-printed films and others. All materials and pre-printed inks must be compatible with thermal transfer inks.
- Power Requirements:** 110 volts AC +/- 5%, 50-60 Hz, maximum 2 amps (220 volts optional)
- Air Requirements:** 60-80 psi for air equip models
- Operating Temperature:** 50-100°F [10-38° C]

	F-Series, 4"	F-Series, 4"	F-Series, 6"	F-Series, 6"
Resolution (dpi)	203	300	203	300
Max Print Width (in)	4.094	4.161	6.61	6.401
Nom Print Head Dot Size (in x in)	.0043 x .0052	.0027 x .0043	.0043 x .0052	.0027 x .0043
Print Speed (in/sec)	2-12	2-10	2-12	2-10
Media Width Range (in)	1-4.65	1-4.65	2-6.70	2-6.70
Ribbon Width Range (in)	1-4.65	1-4.65	2-6.70	2-6.70
Media Edge to Printhead Dot 1, LH Model (in)	.070	.000	.000	.054
Media Edge to Printhead Dot 1, RH Model (in)	.070	.070	.070	.070

Geo Packaging Systems, Inc.

275 East 131st Street
Cleveland, Ohio 44108

Phone: 216-451-7881 Fax: 216-451-4952

E-Mail: sales@geopackaging.com Web: www.geopackaging.com