

TITLE: Gerber ODYSSEY™ Cutting Plotter with GerberDrive™ - Features and Specs

Gerber FastFact #: 5258

Supplied by: Plotter Products

Last Modified: October 2, 2002

Summary: Gerber Odyssey Cutting Plotter with GerberDrive—Features and Benefits

The Gerber ODYSSEY with GerberDrive is a breakthrough, first-of-its-kind plotter which combines the ultra-precise tracking of a sprocket-feed plotter with media-width flexibility. Providing extreme accuracy in material tracking and alignment demanded by sign shops for long signs and unattended operation, this 48" engineering marvel offers the best of all worlds.

Gerber ODYSSEY Features:

- GerberDrive active-tracking technology
- Quick and precise material alignment (Automatic Material Alignment™)
- Accurate, unattended operation (Active Tracking Control™)
- Gerber built
- Automatic sheet off
- Simple to use—simple keypad and easy-to-read message display
- Exceptional material flexibility—cuts from 3 ¼" to 49"
- Outstanding performance—speeds up to 36 inches per second and accelerations up to 3G
- Automatic tool settings
- Cuts GERBER MAXX™ graphics
- Schedule up to 9,999 repeats of your last job
- Pause, view and recovery
- Cut, pounce and pen functions
- Replaceable cutting strip and material cutting mat
- Open architecture
- Firmware upgrades easily downloaded from your own PC
- Rugged, industrial-strength design for years of shop use

Gerber ODYSSEY Plotter Specifications

Material Width	4"-52" (101.6mm-1321mm)
Cutting Width	3.25"-49" (76.2mm-1244.6mm)
Max. Media Thickness	0.045" (1.1mm)
Driving Mechanism	GerberDrive
Knife/Cut Type/Principle	Swivel
Mechanical Resolution	0.0002" (0.005mm)
Number of Pressure Rollers	3
Knives 30 /45 /60	Offset 0.02 inches
Pens	HP Compatible
Max Cutting Speed (Axial)	36 ips (914mm/s)
Max Cutting Speed (Diagonal)	50 ips (1270mm/s)
Acceleration Knife Up/Down	3G
Knife Up/Down Cycles	40/second
Adjustable Knife Pressure	0.0oz - 16oz (0g-454g)
Interfaces (Standard)	RS-232C
Input Buffer	250Kb
Stand	Standard
Material Catcher	Optional
Pounce	Optional Tool/Pounce Mat
Unboxed Dimensions (with Stand)	70"L x 12.25"W x 49.5" H
Boxed Dimensions (with Stand)	73"L x 29"W x 24"H
Unboxed Weight	200 lbs
Boxed Weight (With Stand)	383 lbs
AC Power Requirements	100-230v 47/63 Hz
Software Command Language	GSP/GL or HPGL/S subset
Vector Look Ahead	Yes
Curve & Arc Smoothing	Yes
Test Plot Possibility	Yes
Test Cut Possibility	Yes
Replot Function	Yes

* Plotter Specifications subject to change and may be modified without notice.

ODYSSEY, GerberDrive, Automatic Material Alignment, Active Tracking Control, and GERBER MAXX are Trademarks of Gerber Scientific Products, Inc.