



**World Class Printing Systems  
for Real World Applications**



Windows  
TABLET ENABLED

**VIPER**

### HI-QUALITY PRODUCT CODING

Squid Ink's Viper™ thermal inkjet printer utilizes revolutionary Funai® technology to print superior quality hi-resolution characters on porous or non-porous surfaces. With up to 0.5" (12.7mm) of print height per printhead, the Viper offers a versatile, yet cost-effective solution for your coding and marking applications.

### DESIGNED FOR YOUR APPLICATION

The Viper TIJ printing system features a 8.9" full-color touchscreen PC that gives users access to the printer's internal messages and print functions. The touchscreen allows users to create and edit messages using Squid Ink's intuitive Sirius™ PC software. It is ideal for users who want message creation and editing functionality on the production floor or in the office. For users that print on many different products, the system features 2GB of storage allowing users to program and save thousands of messages for easy retrieval. Best of all, the Viper includes advanced software out of the box that allows users to print date codes, lot numbers, bar codes and more.

### SUBSTRATE VERSATILITY

Viper TIJ utilizes performance no-mess ink cartridges to print up to 600 dpi hi-resolution codes on a variety of porous and non-porous surfaces, coated and non-coated stocks, plastic, polystyrene, films, foils, metals, glass, and several other porous or non-porous substrates. The Viper is ideal for users looking to print permanent marks that dry in seconds on glossy cartons, cases, trays, plastic containers, and more.

### PRODUCTION FLOOR READY

The Viper is designed to meet the harsh demands of your coding and marking operation. The easy-to-mount printer and touchscreen with a compact footprint integrate seamlessly into your production line. The Viper's rugged design will withstand the most abusive industrial environments while providing superior quality print. The quick-change ink cartridges reduce system downtime and keep the line running to maximize ROI.

### PRODUCT CODING ON A BUDGET

The Viper TIJ printing system lets users make their mark on a variety of products for less. The Viper ships as a fully functional product, with advanced software and adjustable mounting brackets that enable installation in minutes. Any way you look at it, Squid Ink's Viper printing system provides users with an affordable solution to meet their ink jet coding needs.

### THE RIGHT SOLUTION

Rugged design. Low maintenance operation. User friendly software. Low cost of ownership. Your benefits go on and on. When it comes to industrial ink jet printing, rely on Squid Ink to provide the right solution for your coding and marking needs.

**SQUID INK**



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**1)** Print up to 0.5" (12.7mm) of razor sharp logos, barcodes, text, and more at 600 DPI print resolution.

**2)** Viper's quick-change Funai ink cartridges keep your printer running to maximize your production.

**3)** Print on a variety of porous or non-porous surfaces including wood, coated and non-coated corrugate, polystyrene, films, foils, and more.

**4)** Create and edit messages on the production floor with Viper's 8.9" full-color touchscreen.

## SYSTEM SPECIFICATIONS

- Print Technology** - Thermal inkjet technology from Funai
- Maximum Print Height** - 0.5" (12.7mm) per printhead
- Vertical Print Resolution** - 300 or 600 dpi capable of printing razorsharp graphics, small character text, and scannable bar codes
- Horizontal Print Resolution** - 50 dpi to 900 dpi
- Print Speed** - Up to 197 fpm (60 m/min) at 300 dpi standard; up to 787 fpm (240 m/min) at 300 dpi optional
- Time & Date** - Internal real time clock with battery back-up
- Product Sensor** - internal photocell standard; external photocell or encoder optional
- Communication Interface** - One USB host, one Ethernet input, one 15-pin D-sub serial port for power/external photocell/encoder
- Touchscreen** - 8.9" (22.6 cm) full color touchscreen PC with Windows 10 Operating System; pre-loaded with Sirius™ software; includes mounting bracket with swivel arm and USB cable
- Conveyor Mounting Bracket** - Provides stable mount to conveyor or other material handling equipment
- Ink Cartridge Volume** - 46ml cartridge
- Ink Low Indicator** - Status alert on touchscreen and printer
- Ink Formulations** - Solvent and aqueous inks
- Substrate Capabilities** - Porous or non-porous surfaces
- Electrical Requirements** - 100 - 240 VAC, 50/60 Hz
- Operating Environment** - 41°F - 104°F (5° - 40°C)
- Agency Certifications** - CE

## OPTIONAL ACCESSORIES

- Encoder** - For operation with variable speed conveyors
- External Photocell** - For use in place of internal photocell
- 2D Bar Code Capability** - Ability to print 2D bar codes at Pro software level
- Database Capability** - Ethernet communication protocol for external communication at Pro software level
- Software Upgrades** - Advanced version (standard); optional Pro or Ultimate version upgrades for higher speed, increased message length, and additional features

## SOFTWARE SPECIFICATIONS

- Time & Date** - Full time and date functionality including expiration date and Julian Dates.
- Item Numbering** - Automatic counters for daily production and lot numbering
- Shift Codes** - Programmable shift codes with automatic rollover
- Bar Codes** - All standard 1D bar codes included; 2D bar codes require optional Pro software upgrade
- Fonts** - Arial and Arial Bold resident fonts for use in variable data elements; static elements in any Windows® TrueType font
- Logos** - Most image files supported with Sirius software
- Printing Features** - Reverse, invert, rotate, repeat; print on/off button
- Message Length** - Up to 39" (1m) standard; up to 157" (4m) optional
- Message Storage Space** - 2GB storage space
- Ink Usage** - Shown in Sirius software
- User Data Prompts** - Prompts for user input at start of print job by manual input on touchscreen
- Languages** - English, Chinese, French, German, Japanese, Spanish

SOFTWARE OPTIONS	ADVANCED	PRO	ULTIMATE
Max speed at 300 dpi	197 fpm (60 m /min)	295 fpm (90 m /min)	787 fpm (240 m /min)
Max horizontal resolution	50 - 900 dpi	50 - 900 dpi	50 - 900 dpi
Max vertical resolution	300/600 dpi	300/600 dpi	300/600 dpi
Max print height	0.5" (12.7mm)	0.5" (12.7mm)	0.5" (12.7mm)
Max message length	39" (1m)	78" (2m)	157" (4m)
Text fields	X	X	X
Logos	X	X	X
Date fields	X	X	X
Date offset	X	X	X
Counters	X	X	X
Variable data	X	X	X
1D Bar codes	X	X	X
2D Bar codes		X	X
Embedded data in bar codes		X	X
Database capability		X	X



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