MARKJET 2500
Innovative Ink-Jet Coder

SCHMIDT
Portable ink-jet technology for now and the future.

The innovative MarkJet 2500 is a production line ink-jet system with a unique, wireless interface developed through intensive research.

It signals a new era in portable, hand-held ink-jet coding.

Weighing in at just over two pounds, including its on-board rechargeable battery and ink cartridge - the MarkJet 2500 is the ultimate in lightweight, compact coding.

And with its patented print technology, the unit improves and economizes ink management to virtually obsolete traditional manual coding methods like stencil marking, hand stamps and roll coders.

By using solvent-based inks in an array of colors, the MarkJet 2500 provides fast, clean printing on a variety of corrugated materials, in addition to metal, glass and plastic substrates. The unit’s high-volume ink-jet cartridge efficiently provides up to 100,000 characters with a dot matrix of 7x5.

The hand-held system also minimizes energy consumption to print for up to 50 continuous hours thanks to its rechargeable Li-ion battery - and recharging takes only two and a half hours.

**Easy formatting & wireless operation**

The MarkJet 2500 uses a simple Microsoft™ Windows® based program to format and transmit messages that are easily created on a personal computer. Messages can consist of alphanumerics and logos from Windows® fonts and symbols, as well as diacritical characters.

Formats can include date, time and ascending or descending sequential numbers. Up to 15,000 characters can be stored in the unit’s memory, including up to 10 message clocks with several lines in each.

Messages are instantly transmitted to the MarkJet 2500 by a radio frequency USB interface at a distance up to 150 feet. A single PC can control multiple units with one RF interface.

For more information, contact SCHMIDT at 847-647-7117.
Efficient logic controller and microprocessor

Long-life filter protects the printing unit

Ink-jet cartridge provides up to 100,000, 7x5 characters

Micro compressor

Compact, drop-on-demand printing with 16 nozzles

Shaft encoder assures even printing

Shock-resistant, fiberglass-reinforced plastic housing

Radio interface communicates with a PC

Buffered memory holds up to 15,000 characters

Weighs just over 2 pounds

24-volt, high-performance rechargeable battery provides 50 hours of operation
Specifications

Nozzles: 16
Nozzle diameter: 150 µm
Minimum size of printed object: 1.38" (35mm)
Working position: Any angle
Printing: Enables printing of up to 10 texts in successive lines
Maximum characters per text: 1500 – includes control character for built-in fonts
Text and print parameters: 1 to 10 – loaded into unit via PC
Graphics: Editing and printing of graphical text and symbols using Windows® fonts (True Type) standard
Special characters: National (diacritical) characters and graphics
Variable fields: Date, time, ascending/descending sequential numbers, universal counter
Programming:
  - Wireless radio frequency up to 150 feet (46m)
  - Text- and parameter-processing software; Windows® 98SE/ME/NT/2000/XP
  • Network up to 20 units; radio-controlled from PC
Timing: Synchronized with rotational speed of the lower stabilizer, or at intervals by an internal generator
Power supply: Three (3) Li-Ion rechargeable batteries
Operating time: Up to 50 hours continuous operation with fully-charged battery at 68°F (20°C); automatic low-battery indicator
Recharging: Automatically using external 24-volt, 1-amp DC power pack; charging time less than 2.5 hours
Ink: Cartridges; ethanol-, acetone- or water-based in various colors
Cartridge capacity: 3.7 ounces (110ml); prints approx. 100,000, 7x5 dot-matrix characters or 17,000, 16x10 dot-matrix characters
Working pressure: 4.4 to 5.8 psi (0.3 to 0.4 bar) via internal pump
Operating temp: 33°F to 104°F (0.5°C to 40°C)
Storage temp: 34°F to 113°F (1°C to 45°C) – water-based ink
  14°F to 113°F (-10°C to 45°C) – ethanol- or acetone-based ink
Humidity: Up to 95% non-condensing; printer operates in rain on dry surface

Accessories

Standard:
  - MarkJet 2500 / accessory case
  - Spray bottle
  - 24-volt, 1-amp power pack, cable
  - CD w/utility software and user-support files
  - Radio frequency module for wireless data transfer
  - USB Cable for radio frequency module
Optional:
  - Stabilizer wheels for use on curved surfaces

Patents:
WO 99/48694; EP 1219439; EP 12194323
Protection of designs

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