HIGH SPEED VARIABLE DATE PRINTING SYSTEM

# TEKCON

GS1 DataMatrix

- Network remote centralized management
- Production line alarm light control
- Calculate printing costs in real time
- Wireless keyboard and mouse control Anti-counterfeiting trace data printing



### More reliable and professional hardware

Use of Cortex-A7 1.2GHz dual core industrial grade processor Self developed industrial grade FPGA. Use anti-interference industrial grade solid state electronic component SMT to build core motherboard. Full industrial hardware ensures smooth operation in various applications under complex working conditions. Professional cartridge preheat algorithm to ensure optimum print quality at high and low temperatures and environments.

#### **◆** More Powerful and Smarter software

Intelligent embedded Linux operating system provides a professional and more user friendly interface. Embedded powerful drop consumption algorithm that allow instant calculation of cost per print. Powerful variable functions of the 2D Code to meet the today growing customers' demand. Efficient and flexible variable database functions to meet various applications requirements for product traceability.

- Double nozzles seamless stitching and independent installation
- Easily match the weighing machine, packing and paging machine
- Snap-on cartridge, more simple and reliable
- Adjustable inkjet concentration to meet different needs
- Support large capacity ink bags and continous ink supply system
- Multiple brackets along with various installation methods to choose





## Technical Parameters

Machine	Body Material	Industrial Stainless steel
	Operating System	Embedded Operating System
	Comm. Interface	USB、RS232、TCP/IP
	Working Environment	Max Temp 45C Degrees / Humidity 30 to 70% RH
	Power Supply	30Volts 3Amps DC output
	Dimension Controller	controller: 247.5mm*147.8mm*34.85mm / Head Holster 177.5mm*109mm*105mm
	Main Hardware	Cortex-A7 1.2GHz dual core processor industrial grade FPGA chip
	Languages	More than 40 languages: Italian, English, French, Finnish, Arabic, Danish, German, Russian, Norwegian, Portuguese, Spanish, Japanese.
	External Interface	Sensor, Encoder, Alarm outputs, Nozzle connection port
Printing Head	Nozzle Type	Thermally Foamable Head TIJ2.5
	Print Distance	2mm to 5mm
	Print Accuracy	150DPI / 300DPI / 600DPI
		203m/90DPI 152m/120DPI 120m/150DPI 60.9m/300DPI
	Print Speed	
	Print Height	Minimum 1mm / Maximum 50.8mm
	Ink Type	Aqueous or Solvent based 42ml Cartridges CIS S
	Ink Color	Black, White, Red, Yellow, Blue, Green, Stealth, UV readable
	Cartridge Chip	Contactless RFID tags for automatic identification and recording ink parameters and consumptions
	Printable Substrates	Cardboard, Plastic, Metal, Cables, Electronic components, Auto Parts, Industrial Chemical packaging, Pharmaceuticals and more.
	<b>Print Contents</b>	Multi language Characters, 2DCode, Barcodes, Images, Serial Numbers, Date, Counters, Variable Database, RS232 to receive real data to print







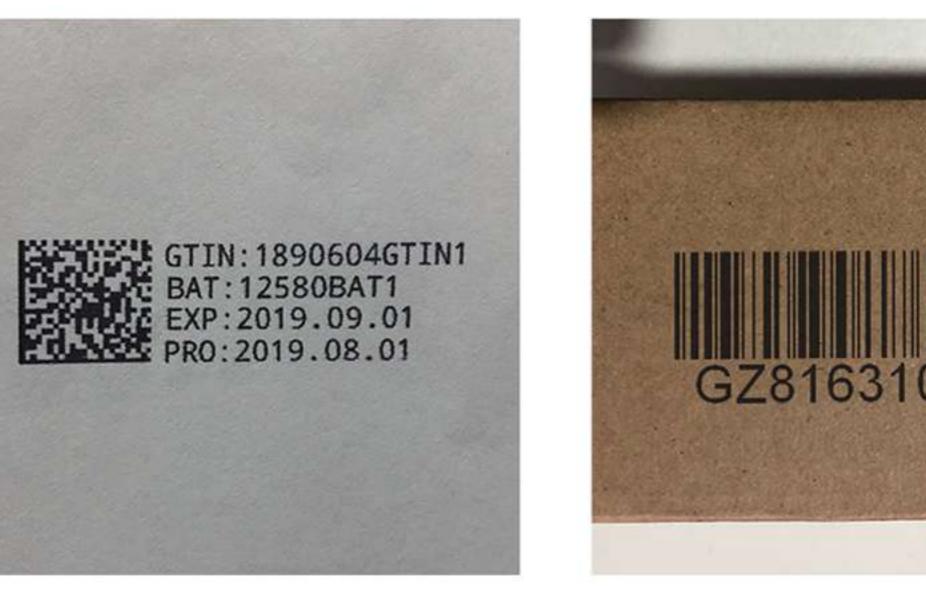


Packing carton

**Furniture and wood** 

Food packaging

PET plastics





Medicine







**GS1 Data Matrix** 

Dynamic security barcode

Multi- group printing

**HD** bold font

**Multi-dot font** 









