Standard Functions

■ Continuous printing, easy to start up

■ Automatic bidirectional nozzle cleaning , automatic on/off button

■ Friendly operation interface, more convenient to operate Multi-language messages editing

■ Message can be reversed or inverted; locate any point to edit within edit area

■ User-defined fonts, graphics, logo, and 2D code printing

■ Serial numbers, random serial number, shift code, clock printing

■ Time offsets to hours, 4 clocks could be inserted simultaneously at most

■ Julian Date clock printing

■ Memory of over 1000 messages; Expanding by USB-disk

■ USB connector, easy to transfer data and updating

■ Automatically adjust viscosity, Replenish fluid without printer stopped

■ Print quantity counter and monitor after stop the printer

■ Automatically display faults and warnings

Printing Capability

■ Font Option: 5×5, 5×7, 7×9, 10×16, 12×16, 16×24, 12×12(Chinese), 16×16 (Chinese)

■ Message output: 1-15mm, 1-4 lines, and characters could be bolded 9 times

■ Message Width: Maximum 6000 rows per second

■ Single Line Speed: Maximum 255 meters per minute.

Working Conditions

■ Power Supply: 100-220V/50-60 Hz

■ Working Temperature: 5-45°C (Recommended working temperature)

■ Working Humidity: 30-90% (non-condensing)

External Ports

■ Four PG7 connectors, connecting product sensor, encoder, or positive air assy

■ USB connector, Alarm tower connector, and NPN Product detector connector

■ Telecommunication ports, connecting to other inkjet printer, computer, or IPC

Consumables

■ Saturn brand consumables, multi-options of inks

■ The volume of each ink or makeup tank is 1L

■ Special inks (UV, Boling resistant, or Offset resistant ink) are available and customized

Print Head & Umbilical

■ Square printhead structure with double solenoids

■ 3 meters umbilical, 4 meters can be customized.

Accessories

■ Product Sensor

■ Printhead Stand
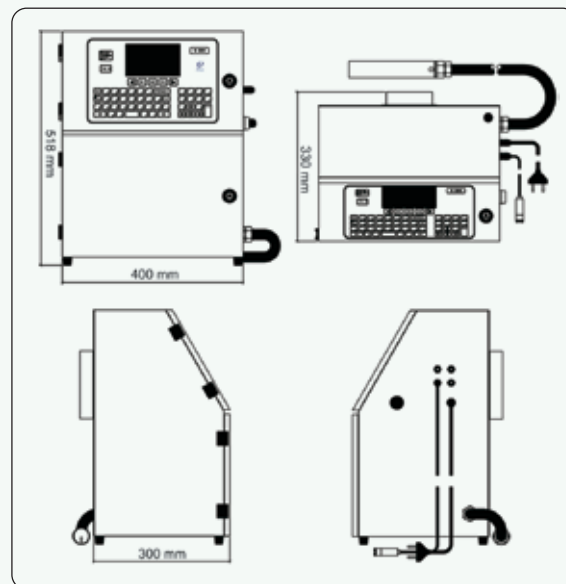
■ Maintenance kit

Model Options

■ S480: 66μm nozzle, Standard model
    53μm nozzle, High speed customized
    40μm nozzle, Micro character customized

■ S480P: 66μm nozzle, for pigment white/blue/red/yellow inks

Functions & Accessories Options

■ The function of power auto shutdown

■ PC telecommunication and remote control

■ Conveyor belt, Paging machine

■ Positive Air Kit

Product Appearance & Dimension

SATURN

S400 Series Inkjet Printers

Saturn S400 Series inkjet printers bring you easy and reliable coding and marking solutions. The upgraded S400 Series are driven by diaphragm pump, equipped with Saturn classic electronic systems and unique multi-functional nozzle design, which provide you more reliable, clearer and easier inkjet coding experience.

More Reliable

■ The 6.5W variable speed motor is originated from Japan with lower power consumption and more stable functions, no maintenance need for 5000hrs .

■ Unique hydraulic system design; lowest consumables consumption (4.5ml/h) which significantly decreases print cost.

■ Optimized printhead heating thermostatic system; printhead temperature can be set by software, more flexible to extreme environment.

Clearer Print

■ New square printhead design with double solenoids inside, adding multi-functions like beam adjustment, unblocking the nozzle, nozzle backwash, etc.

■ User-defined Fonts System, capable of editing and printing anything you want.
■ PC communication functions; graphics, logo, random serial number, and 2D code print are available.

Easier Maintenance

■ New square printhead design with double solenoids inside, providing two-way cleaning for nozzle, easier maintenance on nozzle.

■ Seperate design of electric units makes maintenance easy and economical.

■ Unique hydraulic system design, controlled by four solenoids, more simply to refill consumables and maintain the system.

Note：S400 Series includes S480 standard model (66µ),high speed model (53µ),micro-character model (40µ), and S400P pigment ink model (66µ).Saturn S Series complies with CE, FCC, and CUL standards; they can be widely used in industries like food, beverage, pharmaceutical,tabacco, construction, pipe, wires, autos, cosmetics, chemicals, electronics, etc.

Saturn Industrial Solutions

As a leading provider to total industrial marking solutions, Saturn is the leading brand of Chinese local inkjet products. With is headquarter in Beijing, Saturn owns over 10 domestic offices and more than 200 distributors around the world, and provides professional inkjet services for over 5,000 companies all over the world, including many well-known brands like Coca Cola, Mars, Kimberly-Clark, Avon and so on.

Saturn also provides professional and reliable services of "all-brand" generic inkjet consumables, customized specialist consumables, laser equipment and logistics tracing systems.

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