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HIGH TECHNOLOGY,PROMINENT SERVICE

DIKAI

SHANGHAI DIKAI CODING INDUSTRY CO., LTD.
SHANGHAI DIXIAO CODING INDUSTRY CO., LTD.



Profession Builds Trust

Technology Creates Quality

Company profile



Founded in Shanghai in 1995, DIKAI group has dedicated itself to the innovation, development, manufacturing and sales of qualified coding machines and consumables. Currently, main products of DK include TTO (Thermal Transfer Overprinter), Ink Roll Coding Machine, Hot Stamp Coder, Carton Coding Machine as well as consumables like Ink Roll and Ribbon. All these products are widely applied to industries of food, paper making, medicine, seed, medical equipment, cosmetics, wood, biology, etc.

R&D Team: DIKAI has its own R&D department and has acquired 37 national patents as well as CE & ISO 9001 certificates.

Sales Team: In China, DIKAI occupies over 70% of Chinese ink roll coding machine market. While outside China DK market has covered over 90 countries around the world since 2013.

Technical & Service Team: We have over 50 professional engineers with 20 years' experience. There are offices in 21 cities around China providing 7*24-hour service.

DIKAI always sticks to the principle "Core Technology & Over-Value Service", trying to satisfy every customer better. With our stable machine performance, remarkable after-sale service, DIKAI pioneered in Shanghai's coding industry and enjoys a sound reputation, truly becoming the leading manufacturer in coding and marking equipment & consumables industry in China.



There is no perfect individual but perfect team.

Company concept



DIKAI Mission:

Dedicated to producing and supplying coding products.

DIKAI Vision:

To be the No.1 brand in China, renowned ID system integrator in the world.

DIKAI Values:

Customer's benefit comes first.



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D Series Thermal Transfer Over Printer

Innovative Design

- ◆Adopts DIKAI new national patents technology.

Cost-Effective

- ◆Combined with intermittent and continuous, can meet both models of printing.
- ◆It's an integration of continuous & intermittent coder, thus can be applied to both continuous & intermittent packing machine.
- ◆300DPI, high quality prints.
- ◆Largely reduced the print cost, will popularize the use of TTO in the world.

High Performance

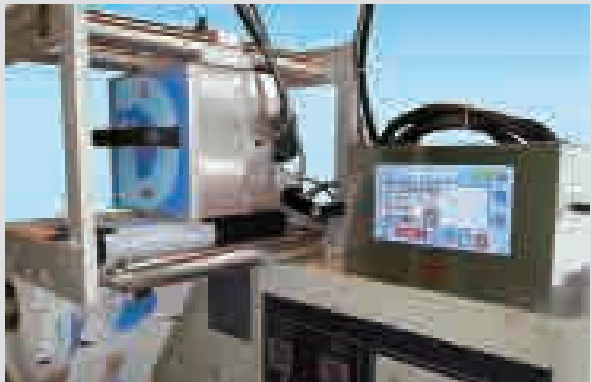
- ◆Support all kinds of printing fonts, date formats, variable numbers, serial no, bar codes, 2-dimensional code, image and table.
- ◆Support various input and output connections.
- ◆Support various reversal and mirror prints.



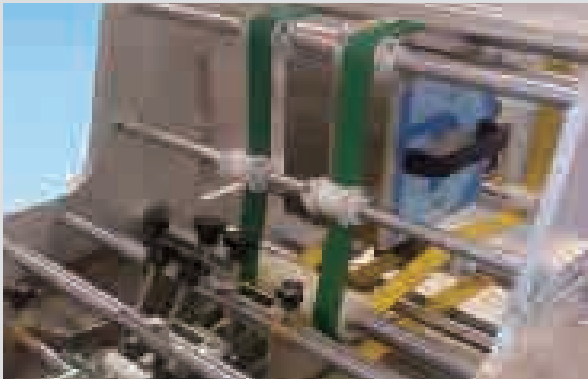
Application Demo



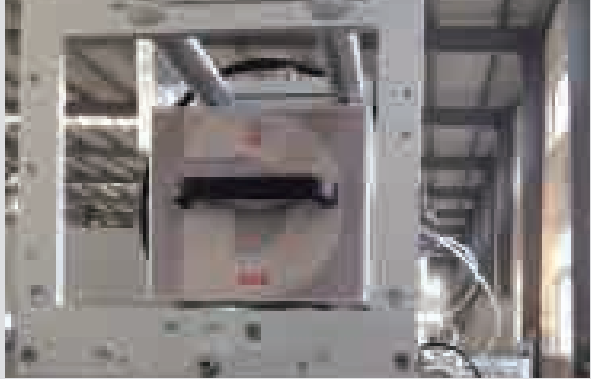
D01 Intermittent Mode



D03 Continuous Mode



D03 on Feeder



D05 on Packing machine

Specifications

	D01/D03 Intermittent	D01/D03 Continuous	D05 Intermittent	D05 Continuous
Print Head	32mm,300dpi		53mm,300dpi	
Print Area	32mm×60mm(W×L)	32mm×100mm(W×L)	53mm×80mm(W×L)	53mm×150mm(W×L)
Max Length of Ribbon	500m		600m	
Max Width of Ribbon	22mm～33mm		25mm～55mm	
Print Speed	D01 ≤30 meters/min	D03 ≤40 meters/min	≤36meters/min	
Prints per Min.	D01:200ppm D03:450ppm	D01:200ppm D03:300ppm	450ppm	300ppm
Interface	USB,RS232			
Power Supply	AC110±10V 50/60Hz / AC220±10V 50/60Hz			
Power	200W		300W	
Environmental Operating Temperature	0～40℃			
Relative Humidity	10%～95%（No Condensing）			
Air Supply	6 Bar/ 90Psi(Max), Dry, No pollution			
Weight	Printer Unit 8.5KG, Controller Box 2.0KG		Printer Unit 9.5KG, Controller Box 2.0KG	
Dimension of Printer Unit	188mm×190mm×180mm（L×W×H）		210mm×210mm×185mm（L×W×H）	
Dimension of Controller Box	175mm×235mm×110mm（L×W×H）		175mm×235mm×110mm（L×W×H）	

Print Samples



DK-1100(A)(B) Ink Roll Coder

- ◆Most widely used in the world at present.
- ◆Adopting DK core patented technology, ensures the stability and clarity of the prints.
- ◆Adopting the updated temperature control system, has more than 10 times longer service life than previous temperature control watch. (DK-1100A/B)
- ◆Adopting Industrial-grade key panel, can be used more than 300, 000 times. (DK-1100A/B)
- ◆Adopting friendly and simple operation interfaces, ensures the user can learn to operate quickly.



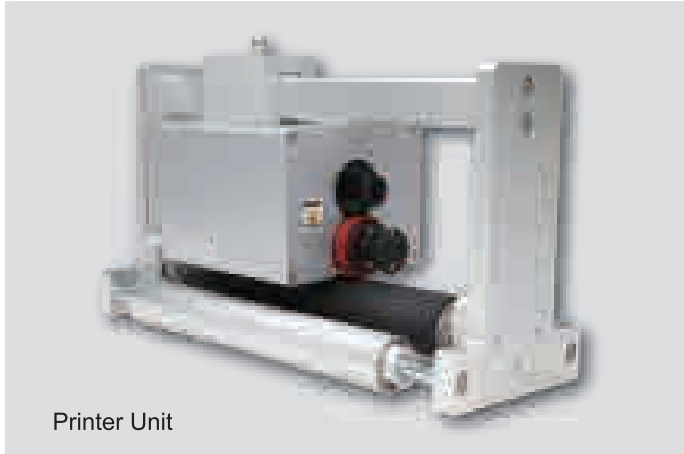
DK-1100



DK-1100A



DK-1100B



Printer Unit



Hot Ink Roll

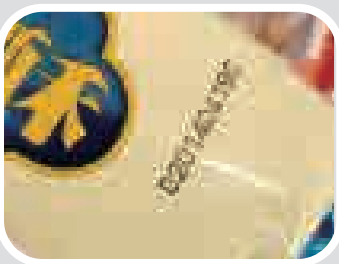


Type Holder Assy

Specifications:

Print Area	T-Type(Axial): ≤ 13lines, max 20 characters per line
	R-Type (Radial): ≤ 10lines, max 13 characters per line
Type sizes	T-Type: 1.5T, 2.0T, 2.5T, 3.0T, 2.5*7T
	R-Type: 3.5R, 4.5R, 5.5R
Pouch Length	≥ 38mm(4-up printer)
	≥ 75mm(2-up printer)
Ink Roll Required	Φ36*32 mm, Φ36*35 mm, Φ36*40 mm
Electricity	AC220 ±10V, 50/60 Hz
Power	130W, 2A fuse
Weight	Printer Unit:2kg, Controller Box:1kg

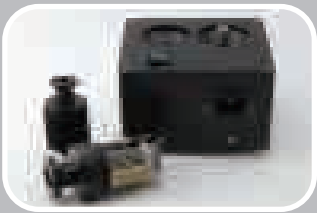
Print Sample:



- ◆Purpose built for installing on the continuous automatic packaging machine, speed up to 300ppm.
- ◆DK-1100B specially designed for the automatic feeding lines, meet the packaging applications of frequently shut down and the fast speed changes.
- ◆Support various signal modes, such as NPN, PNP, PLC, etc.
- ◆Support different print modes as automatic signal tracking and fixed delay, and DK-1100B also supports the encoder mode.
- ◆Chracteristic with compact size, convenient installation, simple operation.

Preheater

- ◆Preheater is designed to heat type holder and hot ink roll, minimize the machine downtime.
- ◆Electricity: AC220V, 50HZ
- ◆Power: 50W
- ◆Preheating temperature: 100 °C
- ◆Overall Dimensions: 120×100×80mm





Printer Unit



DK-2100



DK-2100A



DK-2100B

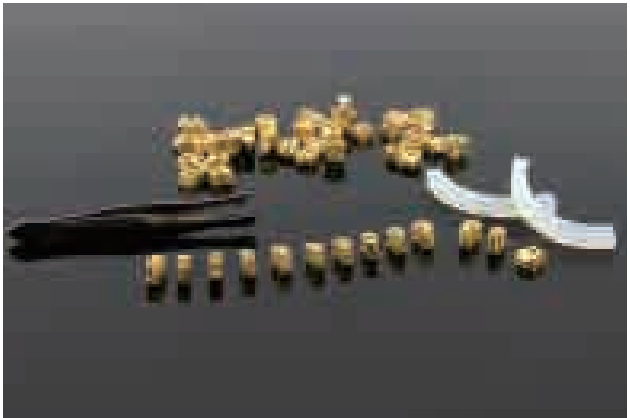
- ◆The first double-ink-roll coder ever made in the world.
- ◆It has ink roll preheater in itself. The two ink rolls can be switched in a second so that there is no need to stop production line for ink roll changing, avoiding down-time to reduce related cost.
- ◆Has the same performance stability and coding quality as DK-1100 ink roll coder.
- ◆Its structure design has acquired national patents.

Specifications:

Print Area	T-Type(Axial): ≤ 13lines, max 20 characters per line
	R-Type (Radial): ≤ 10lines, max 13 characters per line
Type sizes	T-Type: 1.5T, 2.0T, 2.5T, 3.0T, 2.5*7T
	R-Type: 3.5R, 4.5R, 5.5R
Pouch Length	≥ 38mm(4-up printer)
	≥ 75mm(2-up printer)
Ink Roll Required	Φ36*32 mm, Φ36*35 mm, Φ36*40 mm
Electricity	AC220 ±10V, 50/60 Hz
Power	130W, 2A fuse
Weight	Printer Unit:2kg, Controller Box:1kg



- ◆Got China national high-tech patents.
- ◆The fastest Ink Roll Coder in market.
- ◆Adopting high-speed motor & encoder, ensures reliable performance and accurate print position.



Specifications:

Print Area	T-Type(Axial) ≤ 13lines, max 20 characters per line
	R-Type (Radial): ≤ 10lines, max 13 characters per line
Type sizes	T-Type: 1.5T, 2.0T, 2.5T, 3.0T, 2.5*7T
	R-Type: 3.5R, 4.5R, 5.5R
Pouch Length	≥ 38mm(4-up printer)
	≥ 75mm(2-up printer)
Ink Roll Required	Φ36*32 mm, Φ36*35 mm, Φ36*40 mm
Electricity	AC220 ±10V, 50/60 Hz
Power	140W, 2A fuse
Weight	Printer Unit:4kg, Controller Box:2kg

- ◆Installed on continuous flow wrapper, max speed is up to 900ppm.
- ◆Friendly LED interface, Chinese/English menu.
- ◆Multiple print modes optional for all kinds of applications.
- ◆Multiple signal modes, like PNP, PNP, PLC.
- ◆Error alarm, like miss printing, error printing.

Print Sample:





- ◆ Save the cost of consumables to the utmost.
- ◆ Compact design, no wearing parts, easy operation.
- ◆ Back-up ink roll heating system, save machine downtime.



- ◆ Suitable for all kinds of hot stamping coder
- ◆ Legible printing, good adhesion, hard-to-remove
- ◆ Workable for various production and storing requirements, with the excellent characteristics as oil-resistance, high-temperature-sterilization resistance, cold-resistance etc.

Specifications:

Print Area	T-Type, Max 3 lines, Max 20 characters per line
Brass Types	T-Type: 3.5mm*1.5T, 2.0T, 2.5T(W)
Ink Roll Required	Φ36*32 mm, Φ36*35 mm, Φ36*40 mm
Electricity	AC220 ±10V, 50/60 Hz
Power	130W, 2A fuse
Environment Temperature	4 C - 40 C
Relative Humidity	10%-95%, non-condensing
Weight	Printer Unit 2.2kg
Overall Dimensions	205mm×162.5mm×124mm (L×W×H)

- ◆ Installed to intermittent packaging machine, max print speed 120 prints/min.
- ◆ Adopt LED display and industrial-grade key panel, can adjust temperature and delay settings.
- ◆ Temperature protection, machine works only if it reaches a certain value.

Print Sample:



Features

Model No.	Temp. Range	Features
DK-SCF-800	120-150 C	Good adhesion, legible prints, high-temperature resistance, suitable for PP/PET/PVC/Aluminum foil and other combined film.
DK-SCF-900	130-180 C	Clear prints, hard-to-remove, high-temperature resistance, cold-resistance, suitable for PP/PET/PVC/Aluminum foil and other combined film.
DK-SCF-600	90-130 C	Good adhesion, scratch resistance, clear prints, not-easy-to-peel-off, with 2-layer coating, suitable for freezing industry and low speed labeling machine.
CN-8	90-140 C	Good scratch resistance, suitable for all kinds of hot stamp coder and various packaging film, widely used in food, pharmaceutical industry, etc.
CED-8	90-130 C	Good adhesion, hard-to-remove, high-temperature-sterilization resistance, dark & clear prints, suitable for various plastic bag, plastic film, paper box, aluminum foil, etc.

Standard Dimensions: 25mm/30mm/35mm*100m, special sizes can be custom-built.
Color: black, white, red, yellow, blue.



- ◆ Used for thermal transfer overprinter.
- ◆ Wax TTR, Wax/Resin TTR, Premium Wax/Resin TTR and Resin TTR for options.
- ◆ Workable for various production and storing requirements, with the excellent characteristics as oil-resistance, high-temperature-sterilization resistance, cold-resistance etc.

Features

Model No.	Types	Features
DG	Wax/Resin	Economical, clear prints, good adhesion, suitable for high speed printing.
DB	Thin Wax/Resin	Economical, clear prints, good adhesion, suitable for high speed printing, decrease ribbon exchange frequency.
DC	Premium Wax/Resin	Good comprehensive performance, clear prints, very good adhesion.
DT	Resin	Higher price, but extremely clear prints, super excellent adhesion.
DN	Chemical-resistance Resin	Suitable for special packaging material, special working environment.

Standard Dimensions: W22mm、33mm、55mm, L500m.
Color: Black, White.



- Types
- ◆ Brass, steel and zinc types available.
 - ◆ Brass Types have good heat-conducting property, good wear-resistance, suitable for soft film substrates, widely used on ink roll coder and hot stamp coder to have clear prints.
 - ◆ Steel Types have the best wear-resistance, suitable for hard substrates like carton box, etc.
 - ◆ Zinc Types are economical, widely used on ink roll coder to have clear prints.
 - ◆ Can be custom-built according to customers' requirements.



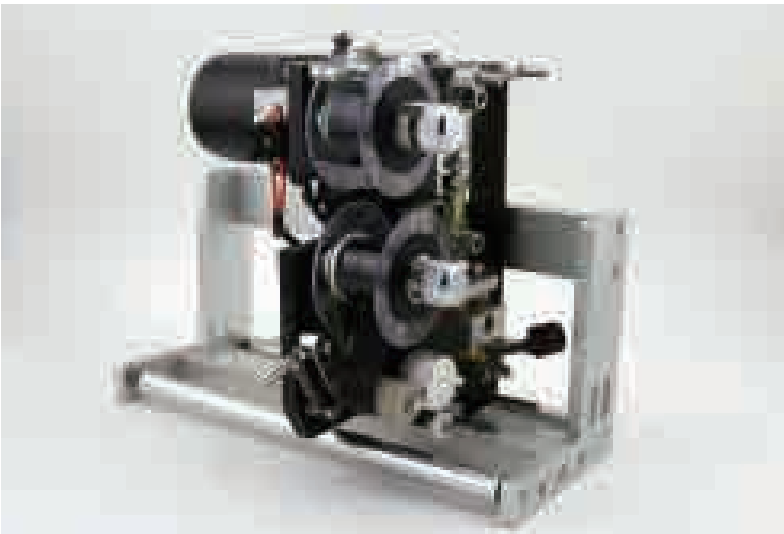
- Hot Ink Roll
- ◆ Suitable for all kinds of ink roll coder.
 - ◆ Easy-to-use, non-toxic with no pollution of solvent, the ink roll is able to produce at high speed with instant and highly legible printing.
 - ◆ Good roller life, extremely low unit print cost.



Features

Model No.	Type	Temp. Range	Features
DKW-619	Low Temperature	90-130℃	Suitable for various brands of coding machine, long printing life, dark prints.
DKW-639	High Temperature	125-160℃	Suitable for high temperature coding machine, excellent integrated performance, oilresistance and good abrasion resistance,Good adhesion, long printing life, instant dry, good abrasion resistance, coldresistance etc.

Standard Dimensions(mm): 36×10,36×16,36×32, 36×35, 36×40,36×45,40×40.
Color: black, white, red, yellow, blue.



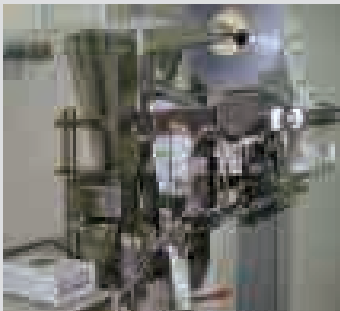
- ◆ Motor-driven/ Pneumatic Hot Stamp Coder.
- ◆ Suitable for package materials such as PT, PE, OPP, CPP, aluminum foil, plastic bag, thermo-shrinking label, paper label, leather, clothes, etc.



Specifications:

Print Area	Single line: max 4mm*35mm, about 15 characters
	Two lines: max 8mm*35mm, about 30 characters
	Three lines: max 12mm*35mm, about 45 characters
	Can print numbers, letters, symbols, and also can custom-make any other special characters.
Type Size	2×4×15mm, 2×3×15mm
	two lines and three lines for option
Ribbon Size	25mm×100m, 30mm×100m, 35mm×100m
Electricity	220V/200W, single-phase
Weight	6kg

Print Sample:



- ◆ Integrated with intermittent FFS packaging machine, speed up to 120times/min.
- ◆ Coming with the motor position switch trigger control system.
- ◆ Characteristic with compact design, convenient installation, simple operation.



- DK-500 Case & Carton Coder
- ◆ Ideal for printing production date, Lot/batch No. etc on cases & cartons.
 - ◆ Adopting the water-based ink, apply to the absorbent surface carton.
 - ◆ No need power, long-life and low unit print cost.
 - ◆ Installed on the automatic carton sealing machine and all kinds of conveyor lines.
 - ◆ Synchronized with the running of cartons on line.
 - ◆ Easy to change rubber characters, no damage to the carton.



Specifications:

Applicable carton sizes	Height over 110mm, Length over 170mm
Type Size	8mm, 12mm, 20mm, etc.
	Other special Rubber Types can be custom-made.
Print Area	Standard Type with height 20mm, max printing length 270mm.
	Heightening Type with height 40mm, max printing length 270mm.
	Different font sizes & machine types are available for option, according to the number of lines you want to print.
Can print numbers, letters, symbols, and also can custom-make any other special characters.	

Print Sample:



- DK-520 Manual Case & Carton Coder
- ◆ Ideal for printing production date, Lot/batch No. etc on cases & cartons by hand press.
 - ◆ Adopting the water-based ink, apply to the absorbent surface carton.
 - ◆ No need power, long-life and low unit print cost.
 - ◆ Manual operation, can be continuous used for a long time after filling ink.
 - ◆ Print Area: 180mm×65mm.
 - ◆ Different font sizes are available for option, according to the number of lines you want to print.

VIP Clients

Cooperative Enterprises





CUSTOMIZED SOLUTION WILL BRING YOU THE BEST.



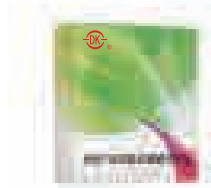
Product Data Management

According to requirements of government’s electronic monitoring of drugs, we provide drug manufacturers and distributors a storage data management solution, which can manage product data and automatically upload the data to national drug monitoring platform.



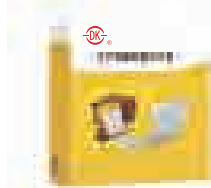
Drug Electronic Supervision Code

We establish secure data channel between company’s local information system and drug electronic monitoring network.



Traceable System of Product

We give traceability code to single product by means of normal codes, one-dimensional codes, two-dimensional codes or RFID tags, applying Internet of Things technologies.



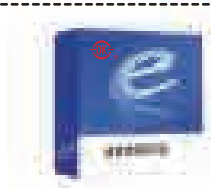
Code Assignment in Production Line

We give product unique “ID CODE” by adopting automation techniques, automatic identification technology and information encryption technology.



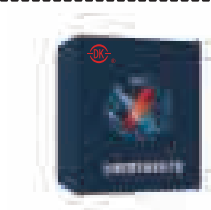
Warehouse Management Solution

We manage daily operation of storage house by establishing a system of barcodes or RF wireless datagram protocol.



Customer Management Platform

We further extend the function of anti-counterfeiting code, improving customer experience.



Solutions for Anti-Fake & Anti-Channel Conflict

By using location information gained from consumer’s anti-counterfeiting code checking & distributors’ storage code scanning, we create a platform which could automatically recognize and record commodities fleeing and send alarm mails.

