

KENT

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GREEN PAD PRINTING



KENT, 4 decades experience, we are your one-stop pad printing complete solution provider.

Found in 1975, KENT is the first pad printing machine manufacturer in Hong Kong. From the basic pad printing techniques in the 70's, to today's sophisticated, automated advancements, KENT has made recognized contributions to the pad printing industry, as well as consummable product industry. A global sales & service network has well established with agents over 30 countries. KENT's dedication and innovative nature have proven itself a role model in the industry.

Four Sister Companies have provided Products, Solutions and Supports in 5 Continents.



KENT's professionalism and devotion to pad printing have been recognized by the industry. Over the years, KENT was honored with numerous industrial awards and holds various international / local patents.



Certification :

- Certification of ISO 9001:2015 Quality Management Systems
- Certification of ISO 14001:2015 Environmental Management Systems

Green Awards :

- 2010 The Class of Good Eco-product Label of the Hong Kong Awards for Environmental Excellence
- 1999 Eco-Products Award

Industrial Awards :

- 2009 Hong Kong Awards for Industries : Machinery and Machine Tools Design Grand Award
- 1998 Hong Kong Award for Industry : Machinery and Equipment Design Award
- 1991 Governor's Award for Industry Machinery / Equipment Design Competition, Certificate of Merit
- 1989 Governor's Award for Industry Machinery / Equipment Design Competition, Certificate of Merit
- 1988 Hong Kong New Products Competition, Certificate of Merit
- 1986 Hong Kong New Products Competition, New Product Award

Patents :

- (CH) • ZL 2017 2 0392009.0
- (CH) • ZL 2016 2 0096329.7
- (CH) • ZL 2012 2 0462193.9
- (HK) • HK1174481
- (HK) • HK1162839
- (GE) • 20 2011 103 685.9
- (JP) • 3173070
- (CH) • ZL 2011 2 0313475.8
- (CH) • ZL 2009 1 0131958.3
- (CH) • ZL 2006 1 0092238.7

Pending :

- (CH) • 201821290277.2
- (CH) • 201810910123.7
- (CH) • 201720147310.5
- (CH) • 201710086967.X
- (CH) • CN201520675705.3
- (CH) • 201610211486.2
- (CH) • 201620281782.5



We don't just care about business. We care about the environment our employee work and live.

A Green Factory



FACILITY IN KENT GAOYAO FACTORY

KENT's 15,000 sq. meter factory is located in Gaoyao city, Guangdong province, China, occupy 45,000 sq. meter land. The sophisticated, hi-tech architectural design of our factory building gives a unique sense of professionalism to visitor who steps into the complex.



Equipped with 15 state-of-the-art CNC machines



Laser cutting machine



Assembly department



Control circuit assembly



Solvent-free ink storage



Printing plate laser engraving



Clean room



Engineering department



Training room



Showroom



Conference room



Dormitory and recreational facilities

1975 - 1980

1975 KENT was founded

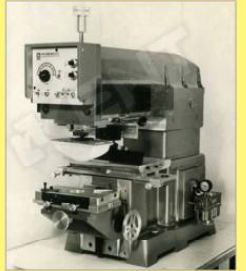
1976 1st Generation KENT pad printer



1979 HK 1st pad printer export to UK



The world first aluminium cast pad printing machine



1978 The 1st tube baby (IVF) - UK



1981 - 1990

1988 Setup 2nd factory in Toronto, Canada

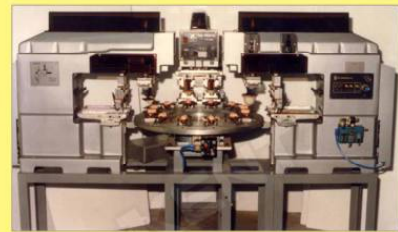
The world first 9 colors golf ball pad printing machine



Long index conveyor for big part printing



Motor driven turn table for multi color print



1989 The birth of internet



1991 - 2000

1997 Develop patent Sealed Ink Cup



Invention world first magnetic ceramic ink cup

The world first 5 color UV pad printing



The world first CNC pad printing machine



1993 Invention of CD



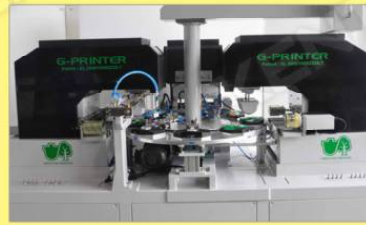
2001 - 2010

2005 Develop the KENT Green Pad Printing system



The world first linear servo shuttle up to 3 meter travel

The world first patented Granite Stone green pad printer



Laser engrave plate, stop chemical etch steel plate



2007 The birth of iPhone



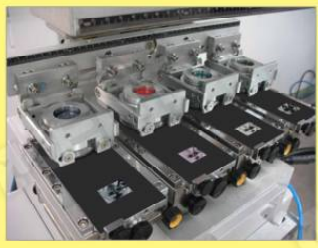
2011 - 2020

KENT start manufacture 4 & 6 axis robot



KENT Robotic Pad Printing Automation

The world first patented green ink cup system



The world first PFD process hot stamp on irregular & 3D surfaces



2011 Japan Tsunami



2021 - >>>>

Internet video meeting, enter modern management mode



The world first RJC (Rapid Job Change) system

Complete solution for diversified industries



The world first most powerful servo drive pad printing machine. 3.5 kw motor pad pressure 2.7 second cycle with pad clean



2021 Covid-19



Custom Built Systems For Different Industry With Comprehensive Solution, Adding Value To Customers

KENT provides comprehensive services ranging from one-stop printing solution, professional consultations, to specialized training. KENT's custom built pad printing systems are widely applied in different industries including: plastics, automobiles, toys, hi-tech electronics, household appliances, mobile phones etc.

KENT's diverse customers are located all over the world. Many of them are popular international brands and enterprises: Mattel, Maisto, Sebu, Cadbury, Sony Ericsson, Nokia, Samsung, Motorola, Blackberry, Sony, Panasonic, Olympus, Canon, HP, Sharp, Sanyo, Toyota, Honda, Mercedes Benz, Ford, BMW, BYD, Harley Davidson, P&G, Gillette, Philips, Siemens, Whirlpool, Braun, ABB, Hoover, Oral-B, Haier, Schneider, Flextronics, Spalding, Dunlop, Nike, Titleist, Srixon golf, Tyco, McDonalds etc. With their support and trust, KENT is highly regarded as the best solution provider in pad printing industry.

More applications are available for each industry

Baby Product Industry

APRD 363



Computer Product Industry

APRD 516



Golf Ball Industry

APRD 528



Battery Industry

APRD 632



Automobile Industry

APRD 704

Car wheel



APRD 742

Car wiper & turn signal lever



APRD 674

Engine cover



APRD 521

Dash-board



APRD 631

Indicator



APRD 633

Vehicle rain brush & Headlight on/off switch



Digital Product Industry

APRD 714

Smart phone touch screen frame



Eyewear Industry

APRD 513



Home Appliance Industry

APRD 678

Washing machine panel



APRD 701

Home appliance parts



Electronics & IC Industry

APRD 558

Circuit breaker



APRD 490

I.C. chips



APRD 566

Washing machine panel



APRD 589

Vacuum Cleaner



Faucet Industry

APRD 709



APRD 671

Shower faucet control panel



APRD 517

Electric cooker



APRD 456

Stove panel



LED Lighting Industry

APRD 584



Medical Industry

APRD 569-570



Textile Industry

APRD 708



Tools Industry

APRD 575



Helmet Industry

APRD 590



APRD 744



Toy Industry

APRD 545



Diecast toy car

APRD 680



Frisbee

Stationary Industry

APRD 523



Ball pen

APRD 644



Pigment marker

Cosmetic Industry

APRD 460



Cosmetic bottle

APRD 683



Artificial nail



GREEN PAD PRINTING



What is Green Pad Printing ?

Kent's award winning "Green Pad Printing System" is an innovative pad printing process which employs a number of novel green features each resulting from new technology and engineering advancements. The result is an efficient and environmental friendly pad printing process.

The 5 elements of Green Pad Printing :

1.) Green Cup

New sealed ink cup system reduce ink solvent consumption and cleaning solvent of as much as 90%.



2.) Green Plate

Low cost, environmental-friendly laser engrave printing plates provide great performance high quality prints and save printing cost.



3.) KCTP

Computer-to-Plate laser engraving machine. Eliminates chemical etching, no more films, acids and other chemicals.



4.) UV Ink

UV ink dries instantly when exposed to a UV light source and contains 75% less solvent than conventional solvent base ink. It is the most effective GREEN element to reduce solvent evaporation.



5.) Green Printer

High efficiency pad printing machines that use less labour, less energy and achieve higher quality and productivity.



Why go for Green Pad Printing ?

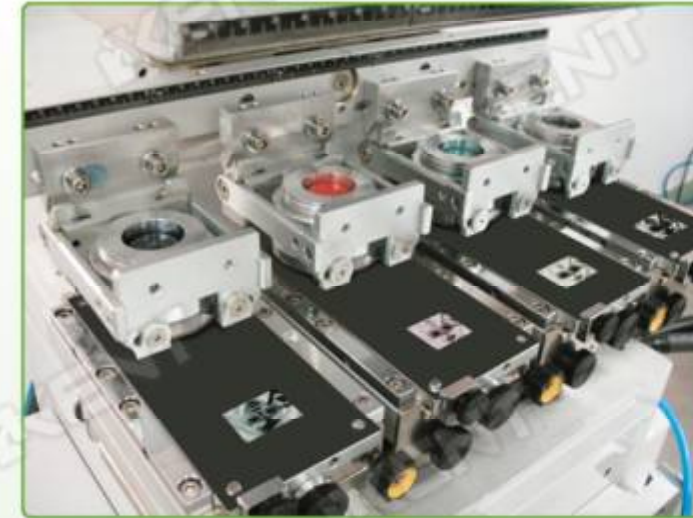
Green pad printing minimizes pollution, lower production cost, reduce labour and increase productivity. It is a win-win situation for all parties involved : business owners, factory managers, machine operators and all people who live and work using pad printing machines. Awareness for pad printing pollution has been raised over the past few years. Many factories have had successful results adapting Green Pad Printing. Not only did their factories become environmentally conscious, they also saved manufacturing costs up to 40%, changed their corporate image and increased their business by going Green.

If factory who evaporate tons of solvent into the air, pouring hundreds of liters of toxic chemicals into rivers, polluting our soil, water and air, we will have to pay for the damage someday. If we are not paying in this generation our children will have to pay more.



GREEN INK CUP

Patent : ZL 2009 1 0131958.3, HK1123448, 10 2009 047 785.3



Green ink cup *
Clean, lower ink & solvent consumption



- Excellent using hardener-mixed ink
- No ink cup clean when change colour
- Minimum ink consumption
- Inner cup store ink for next job use
- Improvement productivity, low-cost and anti-pollution
- No ink cup cleaning room
- No extra cleaning labours
- No more cleaning solvent
- No chemical disposal
- Avoid medical claims

* Registration of Patents on appearance, function of Green Cups and Inner Cups. Legal action will be executed against any imitation and piracy.

Patent : ZL 2011 2 0313475.8, 3173070, 20 2011 103 685.9, HK1162839

Automatic device to add solvent to ink cup.
Able to maintain stable ink viscosity throughout production.
Essential feature for full and semi-automated pad printing.



- No need for operator to stop machine to add solvent
- No more machine down time
- Auto control of ink viscosity
- Ensures ink colour shade consistency

80% print rejects are caused by inconsistent ink viscosity :



Printing result comparison :

Time	No AVC	With AVC
	Printed sample	Printed sample
1 hour (1st print)		
4 hours (3463 prints)		
8 hours (5896 prints)		



- KENT AVC reliably maintains accurate ink viscosity throughout an entire work shift in all production environments.

Remark : Actual figure is guarantee with using KENT ink.

High quality print and Eco-friendly solution for Pad Printing

KCTP laser engraving machine

- Not like ordinary laser marking machine. KCTP is the first laser developed only for pad printing plates engraving
- Using the latest Fiber Optic laser generator
- "Just In Time" no waiting, fast plate making
- Up to 250 lpi image
- Able to handle halftone images
- Precison "dead-on" vacuum engraving platform
- 0-adjustment engraved image
- Adapt to AI, TIFF, JPG, BMP, PLT, EPS files
- Perfect match with KENT Green plate



Green Plate

- Superior print resolution quality
- No positive film, no chemicals, no acid, no alcohol needed
- Easy storage regardless of temperature
- Good for halftone 4 process color images
- Ideal for solid color printing
- Long plate life up to 30,000 prints (depends on image)
- Able to put 2 images per plate to save plate cost

Cost Savings :

- Save up to 50% plate cost (double image)
- Eliminate positive films, exposing, developing and etching cost
- Save all process and labour on chemical etching
- Long plate life
- Save our environment, cutting all chemicals

With KENT Green Pad Printing System (KCTP+Green plate+Green ink cup+Green granite stone pad printer), the end-user's overall pad printing industrial standard be enormously uprising for which 100 years existing obstacles be breakthrough.

HIGH QUALITY INK



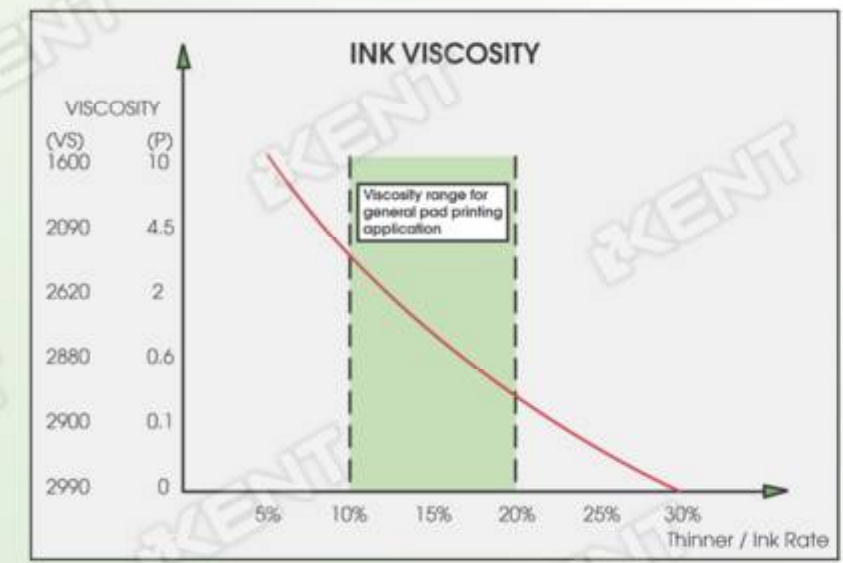
Passed : ★ RoHs 2002/95/EC ★ EN 71, part 3
 ★ ISO 9001 : 2015 ★ ISO 14001 : 2015



INK VISCOSITY TESTER

In any printing, correct ink viscosity is essential to achieve quality prints. The KVST PLUS helps to monitor the correct ink viscosity consistently through out production.

- User-friendly : simple sequence
- Digital reading
- LCD screen
- Build-in ink mixing mode
- Build-in 9 color shade memory selections
- Stainless test probe, easy to clean
- Granite stone base for fine, stable measurement



SPECIFICATIONS

Size (LxWxH) :	430 X 255 X 700 mm
Weight :	30.5 kg (Approx.)
Voltage :	110/220V 50/60 Hz 5W
Measuring value :	0.1 - 10 (P) / 1,600 - 2,900 (VS)

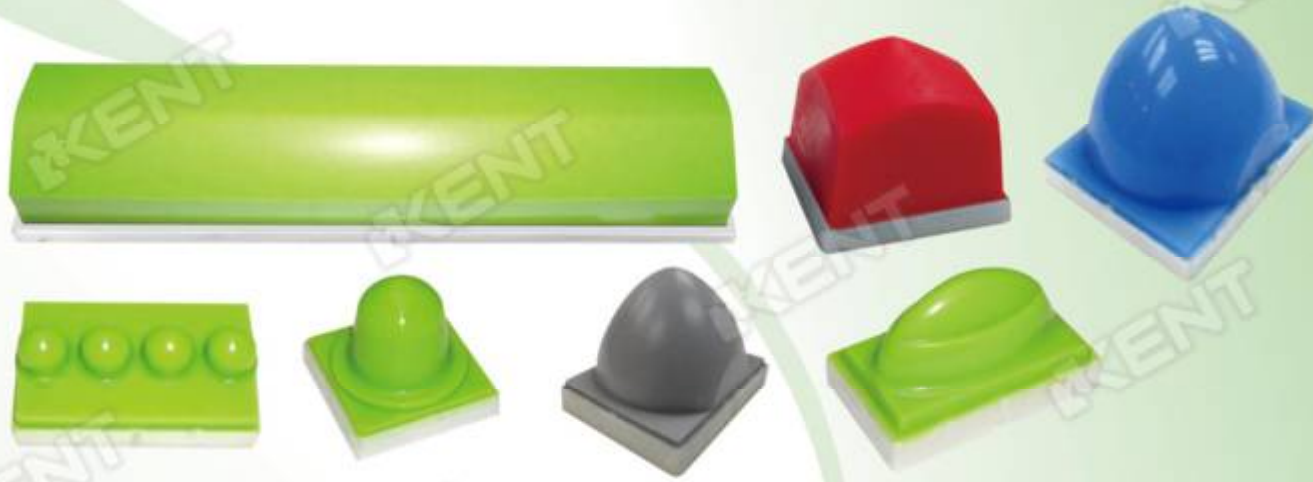


Model: KVST PLUS

Patent : HK1020418

PAD

Anti-static Printing Pad



- Anti-static, amazing ink pick up / release ability.
- High elasticity, absorb high printing pressure.
- Long pad life.
- Stable pad hardness.
- Eliminate pinhole, hairline, distortion and ghost shadow problems.

Complete Solution :



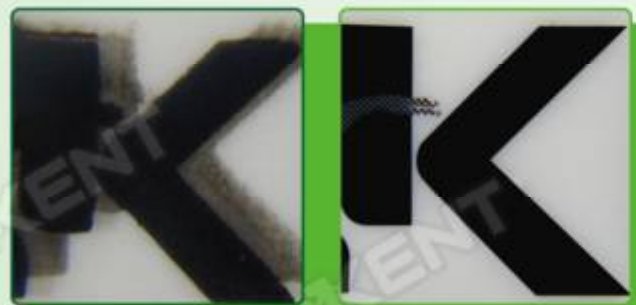
Pinhole problem

Printed by Anti-static pad



Hairline problem

Printed by Anti-static pad



Ghost shadow

Printed by Anti-static pad



Print distortion

Printed by Anti-static pad

INNOVATION

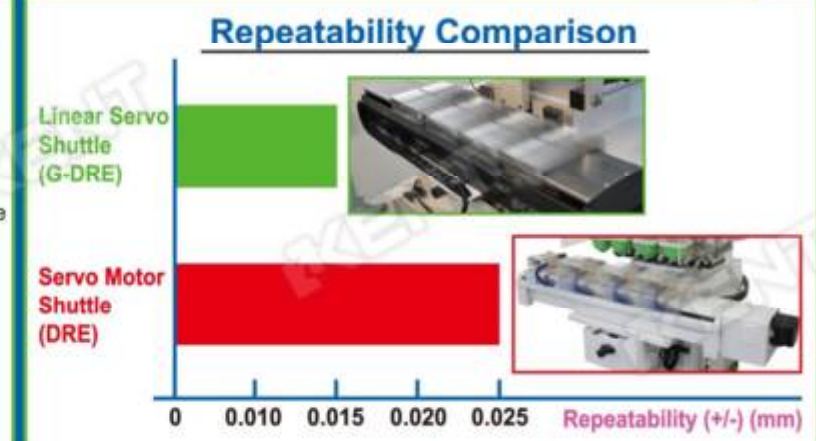
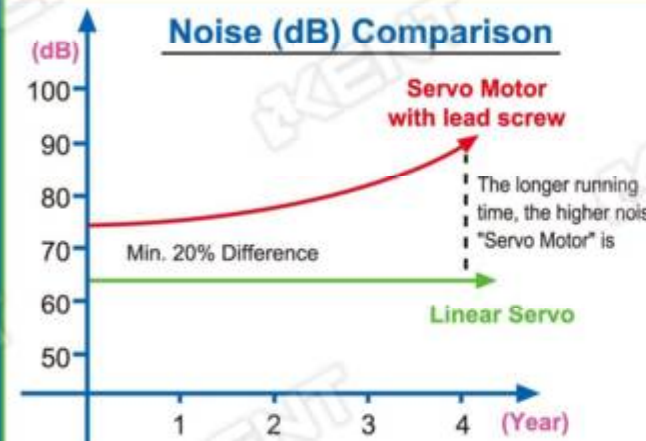
LINEAR SERVO SHUTTLE (G-DRE)

Silent; Fast; Smooth; No wear and tear



Aluminum Casting Structure

Granite Stone Structure



Model :	DRE-LM650	G-DRE-LM700	DRE-LM800
Thrust :	200N	200N	380N
Stroke :	650 mm	650 mm	800 mm
Max. speed :	2 meter/sec.	2 meter/sec.	2 meter/sec.
Max. loading :	5 kg	5 kg	15 kg
Structure :	Aluminum Casting	Granite Stone	Aluminum Casting (Granite option)
Weight :	35 kg	65 kg	70 kg
Application :	ALPS2000, PP150, PP150/DRE, PP150-IDS, PP150-IDS/DRE, PROMOTOR-4N, KIPP200-IDS, KIPP200-IDS/DRE, G-TURBO350, G-TURBO350-IDS	ALPS2000, PP150, PP150/DRE, PP150-IDS, PP150-IDS/DRE, PROMOTOR-4N, KIPP200-IDS, KIPP200-IDS/DRE, G-TURBO350, G-TURBO350-IDS	KIPP200-IDS, KIPP200-IDS/DRE, ALPS2000, G-TURBO650, G-TURBO650-IDS

ROBOT AUTOMATION FOR PAD PRINTING

(Patent : HK1174481, ZL 2012 2 0462193.9, ZL 2016 2 0096329.7, ZL 2017 2 0392009.0)

4 - AXIS SCARA ROBOT

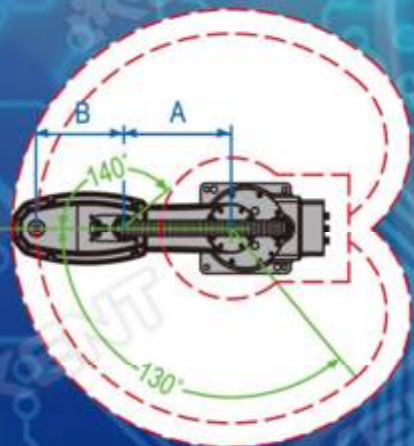
KENT Scara Robot to replace worker for load / unload parts in pad printing automation complete solution



- Simple control, user-friendly operation
- Fast job change, no robotic expert needed
- Fast and accurate cycle time
- Rigid construction
- Touch panel control, simple sequence
- CCD camera positioning or quality inspection

SPECIFICATIONS

Model :	KSR-400	KSR-500
Type :	SCARA Robot	
Axis :	4	
Arm Length : Arm A + Arm B	225 mm + 175 mm	270 mm + 230 mm
Operation Range : Arm A	+/- 130°	
Arm B	+/- 140°	
Z-Axis	150 mm	
R-Axis	+/- 360°	
Maximun speed : Arm A+B	4,200 mm/s	5,000 mm/s
Z-Axis	1,300 mm/s	
R-Axis	2,500 mm/s	
Payload :	1 kg (Max. 3 kg)	
Repeatability : (X,Y,Z)	+/- 0.02 mm	
Machine weight :	14 kg	16 kg



APPLICATIONS



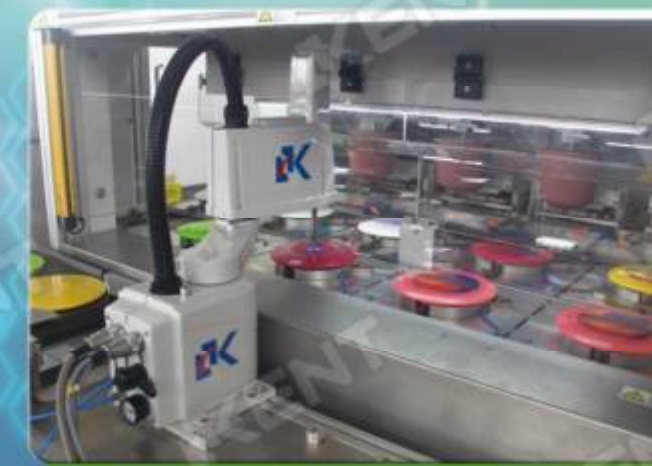
Plastic Product



Home Appliance



Medical Parts



Toy



Auto Car Parts



Digital Product

(Patent pending # : 201520675705.3)

6 - AXIS ROBOT

KENT Robotic technology provide complete automation solution for pad printing and assembling



SPECIFICATIONS

Model :	KR6-600	
Type :	6 Axis Robot	
Axis :	6	
Operation Range :	J1	± 170°
	J2	-145° ~ +70°
	J3	-50° ~ +125°
	J4	± 200°
	J5	± 105°
	J6	± 360°
Vertical length :	920 mm	
Horizontal move :	691 mm	
Rated load :	1 kg (Max. 3 kg)	
Repeatability :	± 0.02 mm	
Robot weight :	26 kg	



APPLICATIONS



Plastic Product

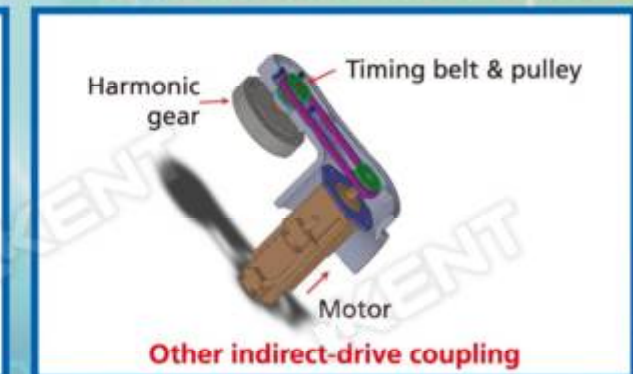


Insole



Safety Helmet

Different between KENT 6 - axis Robot and others



- 1 KENT use **Direct-Drive**. Motor shaft direct link to harmonic gear. Other link by timing belt, pulley, bearing, extra shaft, angle gear etc.
- 2 KENT use 45% less parts, less wear and tear, less noise.

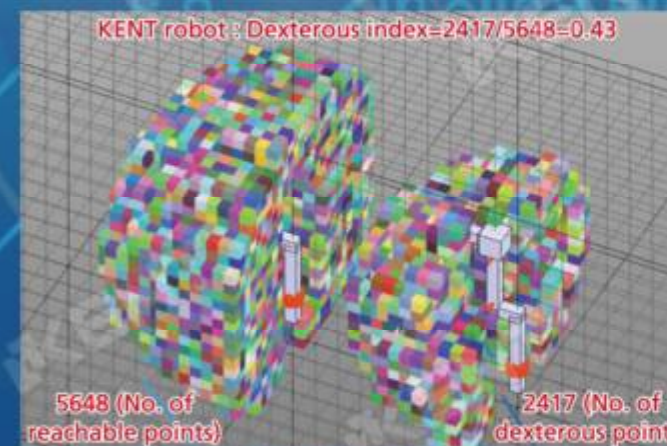
Other Robot use approx. 112 parts

KENT : approx. 64 parts

More parts means :

- More friction
- Higher cost
- More wear and tear
- Less quality assurance
- More maintenance

- 3 KENT put all wire harness inside robot.
- 4 KENT has better dexterous index (0.43) (arm reaching space), Others (0.42) (space robot can reach)
- 5 KENT is the quietest robot of same size. Less moving parts, less vibration.
- 6 KENT robot is 20% less in weight but gives same power output.
- 7 Less parts easy maintenance.
- 8 KENT is better both in Repeatability and Absolute accuracy measuring.
 - **Repeatability Accuracy** : Accuracy of robot movement repeating at same positions.
 - **Absolute Accuracy** : Accuracy of robot movement base on controller instruction.



Graphic shows robot reachable points. KENT robot is better than other robot in terms of dexterity

THE GREEN MACHINE FOR FUTURE (Machine made of Granite Stone)



What we can do for our planet ?

A way to reduce gobal warming, use less steel, less energy in industry.

Use Granite Stone to build machine for durable, high stability, precision and good for environment.

Patent : HK1080273, HK1082154, ZL 2006 1 0092238.7

- Granite stone body (no more over-mining for metal material)
- Green Laser Cliche : No film, no chemical (developer, etching acid, alcohol plate washing)
- Less 100% pollution, less 80% disposal, less CO2 emission, smaller VOC
- Compare with open ink tray, KENT Green System (Green ink cup) able save up to 13 tonnes solvent each year
- Healthy work force, higher productivity, save costs
- Play active role in social obligation



G-TURBO Series

Patent :
HK1080273,
HK1082154,
ZL 2006 1 0092238.7

Green Machine - No rust ; High stability ; For precision printing



G-TURBO90S/2



G-TURBO350



G-TURBO650

SPECIFICATIONS

Model :	G-TURBO90S/2 (with 2 color pneumatic shuttle)	G-TURBO350 (with 2 color pneumatic shuttle)	G-TURBO650 (with 4 color digital shuttle)
No. of color :	2	2	4
Ink cup : (mm)	Ø60, 70 & 90 (x 2)	Ø125 & 130 (60, 70 & 90) (x 2)	Ø125 & 130 (60, 70 & 90) (x 4)
Plate size : (mm)	100 x 250 (x 2)	150 x 350 (x 2)	150 x 350 (x 4)
Max. effective printing area : (mm)	40 x 60	Ø120	Ø120
Max. speed : (dry cycle) *	900 Cycle / hr.	720 Cycle / hr.	450 Cycle / hr.
Max. pad pressure :	753N x 2	1,178N x 2	1,178N x 4
Pad carriage stroke (in/out) :	180 mm	250 mm	250 mm
Distance between printing position center & ink cup platform front side :	125 mm	170 mm	170 mm
Distance from pad X slide to die-plate surface :	110 mm	140 mm	140 mm
Distance from pad X slide to work table surface :	130 - 255 mm	220 - 445 mm	220 - 470 mm
Distance between printing position center & pad clean front side :	135 mm	188 mm	188 mm
Power :	110/220V	110/220V	110/220V
Air consumption : (Approx.)	160 Litre / min.	285 Litre / min.	290 Litre / min.
Size : (L x W x H)	890 x 780 x 1,442 mm	1,230 x 1,125 x 1,680 mm	1,230 x 1,300 x 1,680 mm
Weight : (Approx.)	230 Kg	535 Kg	856 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

High value added series - The most versatile and user-friendly pad printer



HVA-150

HVA-150S/2

HVA-150S/4

HVA-150C/4-5

HVA-150/SCMIC

SPECIFICATIONS

Model :	HVA-150	HVA-150S/2 (with 2 color pneumatic shuttle)	HVA-150S/4 (with 4 color pneumatic shuttle)
No. of color :	1	2	4
Ink cup :	Ø60, 70, 90 & 130 mm	Ø60, 70, 90 & 130 mm x 2	Ø60, 70 & 90 mm x 4
Plate size :	100 x 250, 150 x 300 mm	100 x 250, 150 x 300 mm x 2	100 x 250 mm x 2
Max. effective printing area :	60 x 80 mm	60 x 80 mm	Ø60 mm
Max. speed : (dry cycle) *	1,200 Cycle / hr.	700 Cycle / hr.	500 Cycle / hr.
Max. pad pressure :	1,870N	1,870N	1,870N
Pad carriage stroke (in/out) :	198 mm	198 mm	198 mm
Distance between printing position center & ink cup platform front side :	130 mm	150 mm	150 mm
Distance from pad X slide to die-plate surface :	145 mm	118 mm	118 mm
Distance from pad X slide to work table surface :	160 - 340 mm	160 - 340 mm	160 - 340 mm
Distance between printing position center & pad clean front side :	50 mm	48 mm	48 mm
Power :	110/220V 50/60Hz 30W	110/220V 50/60Hz 30W	110/220V 50/60Hz 30W
Air consumption : (Approx.)	230 Litre / min.	130 Litre / min.	90 Litre / min.
Size : (L x W x H)	890 x 580 x 1,510 mm	890 x 635 x 1,510 mm	890 x 860 x 1,510 mm
Weight : (Approx.)	140 Kg	150 Kg	160 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

Standard Models



PP21N

PP21NS/2

PP21NC/2

PP21N-PPS/2

SPECIFICATIONS

Model :	PP21N	PP21NS/2 (with 2 color pneumatic shuttle)	PP21N-PPS/2 (with pneumatic pad shuttle)
No. of color :	1	2	2
Ink cup :	Ø60, 70 & 90 mm	Ø60, 70 & 90 mm x 2	Ø60, 70 & 90 mm x 2
Plate size :	100 x 250 mm	100 x 250 mm x 2	100 x 250 mm x 2
Max. effective printing area :	40 x 60 mm	40 x 60 mm	40 x 60 mm
Max. speed : (dry cycle) *	1,800 Cycle / hr.	850 Cycle / hr.	850 Cycle / hr.
Max. pad pressure :	750N	750N	750N
Pad carriage stroke (in/out) :	148 mm	148 mm	148 mm
Distance between printing position center & ink cup platform front side :	98 mm	98 mm	98 mm
Distance from pad X slide to die-plate surface :	75 mm	82 mm	72 mm
Distance from pad X slide to work table surface :	150 - 285 mm	150 - 285 mm	95 - 282 mm
Distance between printing position center & pad clean front side :	38 mm	38 mm	30 mm
Power :	110/220V 50/60Hz 20W	110/220V 50/60Hz 20W	110/220V 50/60Hz 20W
Air consumption : (Approx.)	128 Litre / min.	71 Litre / min.	71 Litre / min.
Size : (L x W x H)	810 x 624 x 1,414 mm	810 x 700 x 1,414 mm	810 x 860 x 1,414 mm
Weight : (Approx.)	125 Kg	133 Kg	130 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

Standard Models



PP150 PP150S/2 PP150C/4-6 PP150/G-DRE PP150/SCMIC

SPECIFICATIONS

Model :	PP150	PP150S/2 (with 2 color pneumatic shuttle)	PP150C/4-6 (with 4-6 color pneumatic conveyor)	PP150/G-DRE (with 2-6 color Linear Servo shuttle)	PP150/SCMIC (Side-way ink cup)	
No. of color :	1	2	4 - 6	2 - 6	1	
Ink cup : (mm)	Ø60, 70, 90, 130	Ø60, 70 & 90 (x 2)	Ø60, 70 & 90 (x 4 - 6)	Ø60, 70 & 90 (x 2 - 6), 130 (x 2)	Ø90	Ø130
Plate size : (mm)	100 x 250, 150 x 300	100 x 250 (x 2)	100 x 250 (x 4 - 6)	100 x 250 (x 2 - 6), 150 x 300 (x 2)	125 x 420 - 620	150 x 550 - 750
Max. effective printing area : (mm)	Ø120	Ø80	Ø80	Ø120	80 x 350	110 x 400
Max. speed : (dry cycle) *	1,200 Cycle / hr.	700 Cycle / hr.	800 - 1,200 Cycle / hr.	500 - 700 Cycle / hr.	1,000 Cycle / hr.	
Max. pad pressure :	1,870N	1,870N	1,870N	1,870N	1,870N	
Pad carriage stroke (in/out) :	248 mm	248 mm	248 mm	248 mm	248 mm	
Distance between printing position center & ink cup platform front side :	180 mm	180 mm	180 mm	180 mm	-	
Distance from pad X slide to die-plate surface :	155 mm	133 mm	133 mm	133 mm	-	
Distance from pad X slide to work table surface :	160 - 445 mm	180 - 330 mm	180 - 330 mm	180 - 280 mm	-	
Distance between printing position center & pad clean front side :	92 mm	92 mm	92 mm	92 mm	-	
Power :	110/220V 50/60Hz 50W	110/220V 50/60Hz 50W	110/220V 50/60Hz 50W	220V 50/60Hz 300W	110/220V 50/60Hz 50W	
Air consumption : (Litre / min.) (Approx.)	228	228	228	228	140	400
Size : (L x W x H) (mm)	995 x 690 x 1,606	995 x 720 x 1,606	995 x 1,180 x 1,606	995 x 1,050 x 1,606	995 x 1,030 x 1,606	
Weight : (Approx.)	210 kg	218 kg	252 kg	282 kg	205 kg	215 kg
Side-way ink cup travel :					300, 350, 400, 450, 500 mm	400, 450, 500, 550, 600 mm

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

Heavy duty PP 150 size machine



PP150-IDS PP150-IDS/CE PP150-IDS/G-DRE PP150-IDS/SCMIC

SPECIFICATIONS

Model :	PP150-IDS	PP150-IDS/CE (with 2-6 color digital conveyor)	PP150-IDS/G-DRE (with 2-6 color Linear Servo shuttle)	PP150-IDS/SCMIC (Side-way ink cup)	
No. of color :	1	2 - 6	2 - 6	1	
Ink cup : (mm)	Ø60, 70, 90, 130	Ø60, 70, 90 (x 2 - 6), 130 (x 2)	Ø60, 70, 90 (x 2 - 6), 130 (x 2)	Ø90	Ø130
Plate size : (mm)	100 x 250, 150 x 300	100 x 250 (x 2 - 6), 150 x 300 (x 2)	100 x 250 (x 2 - 6), 150 x 300 (x 2)	125 x 420 - 620	150 x 550 - 750
Max. effective printing area : (mm)	Ø120	Ø120	Ø120	80 x 350	110 x 400
Max. speed : (dry cycle) *	1,300 Cycle / hr.	800 - 1,300 Cycle / hr.	500 - 840 Cycle / hr.	1,100 Cycle / hr.	
Max. pad pressure :	1,870N	1,870N	1,870N	1,870N	
Pad carriage stroke (in/out) :	248 mm	248 mm	248 mm	248 mm	
Distance between printing position center & ink cup platform front side :	180 mm	180 mm	180 mm	170 mm	
Distance from pad X slide to die-plate surface :	180 mm	155 mm (Ø60, 70, 90) 165 mm (Ø125, 130)	155 mm (Ø60, 70, 90) 165 mm (Ø125, 130)	205 mm	
Distance from pad X slide to work table surface :	160 - 445 mm	200 - 450 mm	160 - 400 mm	160 - 445 mm	
Distance between printing position center & pad clean front side :	92 mm	92 mm	92 mm	92 mm	
Power :	220V	220V	220V	220V	
Air consumption : (Approx.)	150 Litre / min.	150 Litre / min.	150 Litre / min.	150 Litre / min.	
Size : (L x W x H) (mm)	915 x 800 x 1,606	1,350 x 1,210 x 1,606	1,190 x 1,050 x 1,606	1,160 x 915 x 1,606	
Weight : (Approx.)	395 kg	447 kg	490 kg	425 kg	440 kg
Side-way ink cup travel :				300, 350, 400, 450, 500 mm	400, 450, 500, 550, 600 mm

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

KIPP200-IDS

Offers most of the features of PP series pad printer yet at an affordable price

Optional models :
KIPP 200-IDS-S/2 (2 color with pneumatic shuttle)
KIPP 200-IDS-C/4-6 (4-6 color with pneumatic conveyor)
KIPP 200-IDS/G-DRE (2-6 color with Linear Servo shuttle)
KIPP 200-IDS/SCMIC (Side-way ink cup)



SPECIFICATIONS

No. of color :	1 - 6
Ink cup :	Ø90, 130 & 150 mm
Plate size :	100 x 250, 150 x 300 mm
Max. effective printing area :	65 x 120 mm
Max. speed : (dry cycle) *	1,000 Cycle / hr. (one color)
Max. pad pressure :	3,016N
Pad carriage stroke (in/out) :	298 mm
Distance between printing position center & ink cup platform front side :	200 mm
Distance from pad X slide to die-plate surface :	240 mm
Distance from pad X slide to work table surface :	187 - 470 mm
Power :	110/220V 50/60Hz 50W
Air consumption : (Approx.)	400 Litre / min.
Size : (L x W x H)	1,200 x 1,000 x 1,750 mm
Weight : (Approx.)	430 Kg

ALPS2000SV

Steel welded structure for complete solution applications such as computer keyboards, IC chips and much more

Optional models :
ALPS 2000PP
ALPS 2500
ALPS 3000



SPECIFICATIONS

No. of color :	1 - 6
Ink cup :	Ø60, 70, 90, 130 & 150 mm
Plate size :	100 x 250, 150 x 300, 180 x 350 mm
Max. effective printing area :	65 x 120 mm
Max. speed : (dry cycle) *	1,000 Cycle / hr. (one color)
Max. pad pressure :	1KW Servo motor
Pad carriage stroke (in/out) :	298 mm
Distance between printing position center & ink cup platform front side :	230 mm
Distance from pad X slide to die-plate surface :	235 mm
Distance from pad X slide to work table surface :	272 - 436 mm
Power :	220V
Air consumption : (Approx.)	400 Litre / min.
Size : (L x W x H)	1,170 x 1,100 x 1,810 mm
Weight : (Approx.)	560 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

KSD Series

Precision servo-drive printers

Optional models :
KSD90-2/TT-M (2 station motor drive turntable)
KSD130-2/TT-P (2 station pneumatic turntable)
KSD130-2/TT-M (2 station motor drive turntable)
KSD130-2/TT-P (2 station pneumatic turntable)



SPECIFICATIONS

Model :	KSD90	KSD130	KSD165	G-KSD200
No. of color :	1	1	1	1
Ink cup :	Ø90 mm	Ø130 mm	Ø165 mm	Ø200 mm (165 & 180)
Plate size :	100 x 250 mm	150 x 300 mm	200 x 400 mm	250 x 450 mm
Max. effective printing area :	40 x 60 mm	65 x 100 mm	Ø155 mm	Ø190 mm
Max. speed : (Dry cycle) *	1,500 cycle / hr.	1,200 cycle / hr.	600 cycle / hr.	600 cycle / hr.
Max. pad pressure : (Servo motor)	400W	1KW	1500W	2000W
Pad carriage stroke (in/out) :	138 mm	158 mm	200 mm	250 mm
Distance from pad X slide to die-plate surface :	158 mm	150 mm	168 mm	190 mm
Distance from pad X slide to work table surface :	217 - 500 mm	212 - 500 mm	375 - 625 mm	490 mm
Power :	220V 2KW	220V 2KW	220V 2.5KW	220V 3KW
Air consumption : (Approx.)	40 Litre / min.	40 Litre / min.	40 Litre / min.	40 Litre / min.
Size : (L x W x H) (mm)	1,010 x 725 x 1,810	1,040 x 725 x 1,850	900 x 1,100 x 2,000	900 x 1,100 x 2,100
Weight : (Approx.)	220 Kg	335 Kg	675 Kg	800 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

For bigger part print



SPECIFICATIONS

Model :	TURBO90	TURBO125HVA	TURBO165	TURBO200
No. of color :	1	1	1	1
Ink cup : (mm)	Ø60, 70 & 90	Ø125, (60, 70, 90 & 130)	Ø165, (60, 70, 90, 125, 130 & 150)	Ø195, (90, 125, 130, 150 & 165)
Plate size :	100 x 250 mm	150 x 300 mm	200 x 400 mm	250 x 450 mm
Max. effective printing area :	40 x 60 mm	Ø115 mm (Ø120)	Ø155 mm	Ø185 mm
Max. speed : (dry cycle) *	1,100 cycle / hr.	900 cycle / hr.	850 cycle / hr.	800 cycle / hr.
Max. pad pressure :	1,178N	1,870N	3,016N	7,360N
Pad carriage stroke (in/out) :	148 mm	197 mm	297 mm	360 mm (servo)
Distance between printing position center & ink cup platform front side :	90 mm	110 mm	200 mm	250 mm
Distance from pad X slide to die-plate surface :	105 mm	120 mm	190 mm	330 mm
Distance from pad X slide to work table surface :	120 - 295 mm	220 - 425 mm	286 - 526 mm	380 - 660 mm
Distance between printing position center & pad clean front side :	110 mm	136 mm	195 mm	245 mm
Power :	110/220V	110/220V	110/220V	110/220V
Air consumption : (Approx.)	118 Litre / min.	230 Litre / min.	540 Litre / min.	2,340 Litre / min.
Size : (L x W x H)	893 x 610 x 1,500 mm	966 x 810 x 1,560 mm	1,115 x 880 x 1,730 mm	1,370 x 900 x 1,980 mm
Weight : (Approx.)	140 Kg	190 Kg	480 Kg	840 Kg

* Please note that actual output may be affected by print requirement, ink drying condition, load/unload arrangement, pad stroke speed, pad hardness, production setup, product quality and production control.

Global Network

KENT has established sister companies and agents / dealers in over 30 countries across North America, Europe, Asia and the South Pacific. KENT aims to provide our global customers the best service and technology in pad printing.

Sister companies and associate agents / dealers

Austria	MAG-Motoren Ges.m.b.H.
Australia	Milford Astor (a division of Aldus-Tronics Pty Ltd.)
Brazil	KENT do Brasil (Trausi Indústria E Comércio Ltda.)
Canada	KENT Pad Printer Canada Inc.
Canada (dealer)	E3 Systems Ltd.
China	KENT Engineering (Gao Yao) Co., Ltd.
Croatia	Marsa d.o.o.
Czech Republic	Visma s.r.o.
France	KENT France - Sup Gravure - Groupe Portelli
Germany	KENT Stuttgart GmbH
Hong Kong	KENT Engineering Co., Ltd.
Hungary	KENT Hungary Kft.
Israel	Multipack Ltd.
Italy	Marabu Italia s.a.s
Japan	Mino International Ltd.
Malaysia	Krisdara Technics Sdn. Bhd.
Mexico	Industrial Pad Printing Supplies S. de R.L. MI.
Pakistan	Printing Techniques
Philippines (dealer)	Eguchi Kohan Company Ltd.
Poland	KENT Polska Sp.z.o.o.
Portugal	Ideiaprint - Gustavo Rebelo
Romania	EDCG Electronic Design & Consulting Group
Russia	KENT-RUS-Slavprint
Scandinavia	Marabu Scandinavia AB
Serbia	Destefiko d.o.o.
Slovakia	KENT Slovakia S.R.O.
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Vietnam (dealer)	T.A.O. Bangkok (Vietnam) Co. Ltd.
Vietnam (dealer)	P&S International Co., Ltd.

KENT will continue effort and offer the best in pad printing industry. We stand ready to serve you.



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40+ years solid foundation and experience, KENT is your loyal partner, we treasure our relationship as well as business.