

SAKAMOTO

MACHINES OF HIGH PRECISION AND SUPERIOR PERFORMANCES
MACHINES EXTENSIVELY USED IN A WIDE VARIETY OF APPLICATIONS
MACHINES DESIGNED IN UTMOST SAFETY AND EXCELLENT DURABILITY

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PRODUCT GUIDE



SAKAMOTO ZOKI CO.,LTD.

ISO9001



Certificate No.00092

MACHINES OF HIGH PRECISION AND SUPERIOR PERFORMANCES
MACHINES EXTENSIVELY USED IN A WIDE VARIETY OF APPLICATIONS
MACHINES DESIGNED IN UTMOST SAFETY AND EXCELLENT DURABILITY

Features of SAKAMOTO ZOKI products

- High-speed numerically controlled continuous blanking machine
- Realize long-term blanking precision by adopting precision ball screw for table feed
- Keep Half-cut blanking precision on whole area, equipping precision-polished steel slide table as standard
- Set height adjustment on easy-to-see Color display in every 0.01mm (Minimum)
- Changeable press speed with 8 steps and capable of selection by materials on Color display
- Memorize 10,000 items (blanking data) on Color display
- Enriched maintenance display
- Capable of equipping SAKAMOTO's original CCD-image positioning system

CONTENTS

Crank-typed continuous blanking machine		Crank-typed servo cutter	11
For sheet material	2-6	Laser blanking machine	12
For roll material	7-9	Hydraulic blanking machine	13
Crank-typed single shot blanking machine	10	Automatic dimension measuring apparatus	14



Numerically controlled blanking machine



Roll material



Single shot blanking machine



Color display



Height adjustment 1/100mm



CCD camera

**BEST-SELLING MACHINE DESIGNED FOR HIGH SPEED,
LEAST FLOOR SPACE AND ENERGY SAVING**

**Numerically controlled
continuous blanking
machine**

QUEEN/865B/1215B

**Sheet Type with
Color Display Screen**



CE marking conformity 



■ Features and advantages

- Continuous blanking machine capable of blanking wide width material high-precisely
- Color display operation panel adopted for easy-to-see and use
- Die locking system by electric controlled Die holder, easy to exchange Die by one touch type
- Circulatory lubrication system incorporated

<865B/1215B>

- High-performance machine with enough rigidity and stable power
- Easy-to-use, high-precision and most suitable for blanking from middle-sized and large-sized precision parts

<QUEEN>

- Capable of shortening blanking time by realizing press capacity Max. 150 s.p.m.

<SCP865B/SCP1215B>

- High speed and highly accurate blanking materialized by servo motor-running reputed crank press
- Speed changeable on the bottom dead point
- Power consumption reduced by 50% against conventional design due to motor running under Die-cutting operation only
- Generation of dusts curbed to a minimum, usable in clean room

■ Option

- Servo-controlled height adjustment system (Continuous program of Full-cut/Half-cut)
- Height indication in 0.001mm
- Capable of lengthening slide table length (Max. material length 2,000mm)
- Trilingual display (Japanese/English/Chinese)

■ Specification

Model	Effective blanking area (mm)	Material length (mm)	Stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
QUEEN Standard	750×500	1000	40	50	50~150	9.5	5500	1700	970	1860×4710
865B Standard	750×500	1500	50	50	38~66	8.0	5500	1750	1030	2220×5560
865B High-speed	750×500	1500	50	40	48~90	8.0	5500	1750	1030	2220×5560
1215B Standard	1100×600	1500	50	50	38~66	10.0	6500	1750	1030	2550×5640
SCP865B Standard	750×500	1500	50	40	41~90	20.0	5500	1750	1030	1950×5560
SCP1215B Standard	1100×600	1500	50	40	41~90	20.0	6500	1750	1030	2300×5640

**THE MACHINE DESIGNED IN JUST COMPACT
AND FOR EASIEST OPERATION**

**Numerically controlled
continuous blanking
machine**

PAL500

**Sheet Type with
Color Display Screen**

Features and advantages

CE marking conformity 

- High-performance blanking machine designed reputable SAKAMOTO ZOKI model 865B more compact and space-saving
- High-precision, easy-to-use and most suitable for blanking small precision parts
- Color display operation panel adopted for easy-to-see and use
- Die locking system by electric controlled Die holder, easy to exchange Die by one touch type

Option

- Servo-controlled height adjustment system (Continuous program of Full-cut/Half-cut)
- Height indication in 0.001mm
- Capable of slide table length 1150mm (Material length 800mm)
- Trilingual display (Japanese/English/Chinese)



PAL500 (Single shot type)



1/100mm

Continuous
blanking

Color
display



Blanking samples

Specification

Model	Effective blanking area (mm)	Material length (mm)	Stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
PAL500 Standard	500×350	1000	40	20	50~120	4.3	2500	1480	890	1130×4080

Servo-control
crank continuous
blanking machine

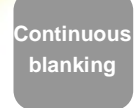
SCP350B (DOLCE)

Sheet Type with
Color Display Screen

WELL APPLICABLE TO BLANKING SMALL-SIZED
PRECISION PARTS



SCP250B



■ Features and advantages

- Down-sized in installation space by 40% compared with SAKAMOTO ZOKI small-sized model PAL500
- High-precision and easy-to-use, most suitable for blanking small-sized precise parts
- Power consumption reduced by 50% against conventional design due to motor running under Die-cutting operation only
- Speed changeable on the bottom dead point
- Generation of dusts curbed to a minimum, usable in clean room
- Color display operation panel adopted for easy-to-see and use
- Circulatory lubrication system incorporated

■ Option

- Servo-controlled height adjustment system (Continuous program of Full-cut/Half-cut)
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)

■ Specification

Model	Effective blanking area (mm)	Material length (mm)	Stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SCP350B Short	350×250	500	40	10	50~150	6.5	1400	1500	880	920×2510
SCP350B Standard	350×250	700	40	10	50~150	6.5	1500	1500	880	920×2910
SCP350B Long	350×250	1000	40	10	50~150	6.5	1600	1500	880	920×3710
SCP250B Short	250×200	500	40	6	50~180	3.0	1200	1500	870	600×2670
SCP250B Long	250×200	1000	40	6	50~180	3.0	1300	1500	870	600×3970

**PURSUIT HIGH SPEED AND PRECISION SYSTEM EQUIPPED SERVO MOTOR
AND THOROUGHLY SEEKED FOR CLEAN ROOM APPLICATION**

ACE

Servo-control
crank continuous
blanking machine
SCP600BD
Sheet Type with
Color Display Screen



1/100mm



Continuous
blanking

Color
display

■ Features and advantages

- High-precision and easy-to-use, most suitable for blanking small-sized precise parts
- Power consumption reduced by 50% against conventional design due to motor running under Die-cutting operation only
- High speed blanking materialized by 150%, by servo motor-running reputable crank press
- Speed changeable on the bottom dead point
- Maximum power transmitted by servo motor direct connection system on driving section
- Color display operation panel adopted for easy-to-see and use
- Generation of dusts curbed to a minimum, usable in clean room
- Circulatory lubrication system incorporated

■ Option

- Servo-controlled height adjustment system (Continuous program of Full-cut/Half-cut)
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)

■ Specification

Model	Effective blanking area (mm)	Material length (mm)	Max. applied pressure (ton)	Stroke (mm)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SCP600BD Standard	600×400	1000	20	40	50~180	16.0	3000	1510	900	1530×4620

HIGH PRECISION AUTOMATIC MATERIAL POSITIONING SYSTEM EQUIPPED AND THOROUGHLY SEEKED FOR CLEAN ROOM APPLICATION

■ Features and advantages

- High-precision and short time blanking realized by original image processing technology
- Easy to register images by electric-controlled CCD recognition camera position
- Color display operation panel adopted for easy-to-see and use
- Die locking system by electric controlled Die holder, easy to exchange Die by one touch type
- Circulatory lubrication system incorporated

Servo-control
crank continuous
blanking machine
SCP865B-APS
With Automatic
Positioning System

<Servo crank system>

- High speed and highly accurate blanking materialized by servo motor-running reputed crank press
- Speed changeable on the bottom dead point



■ Option

- Servo-controlled height adjustment system (Continuous program of Full-cut/Half-cut)
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)



■ Applications

- Most suitable for blanking various films (polarized/reflection film, lens film), FPC etc., printing materials which are necessary for positioning, e.g. labels, stickers, nameplates, holograms, 3-D images

■ Image processing system

- Dissolved works of positioning printings and punching guide pin holes
- After setting work, the system measures deviation and corrects the position to the orientation then blank material

■ Specification

Model	Effective blanking area (mm)	Material length (mm)	Max. applied pressure (ton)	Stroke (mm)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
QUEEN-APS Standard	750×500	750×800	50	40	50~150	11.5	6200	1700	990	1870×5270
865B-APS Standard	750×500	750×800	50	50	38~66	11.5	6200	1770	1060	2210×5270
SCP865B-APS Standard	750×500	750×800	40	50	41~90	12.0	6200	1770	1080	1570×5000
SCP600B-APS Standard	600×400	600×700	20	40	50~180	16.0	3700	1550	910	1300×5000
PAL500-APS Standard	500×300	500×700	20	40	50~120	6.0	3000	1520	910	1300×4250
SCP350B-APS Standard	350×250	350×600	10	40	50~150	8.0	2200	1500	920	1000×3970

Servo-control
continuous blanking
machine

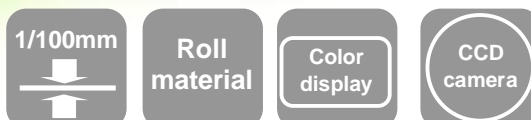
SSP865E-APS

Image Processing System
Roll Type with
Color Display Screen

CCD-CAMERA-APPLIED IMAGE PROCESSING SYSTEM
MODEL APS OR AUTOMATIC MATERIAL POSITIONING
SYSTEM, TAKEN IN ONTO ROLL-FORMED MATERIAL
FEEDING CONTINUOUS BLANKING MACHINES

■ Features and advantages

- Efficiency increased by positioning blanking roll material
- Positioning under Die achieved high-precision blanking compared with conventional machine
- Running press by combination of servo motor and ball screw
- Color display operation panel adopted for easy-to-see and use
- Die locking system by electric controlled Die holder, easy to exchange Die by one touch type
- Circulatory lubrication system incorporated



■ Option

- Capable of manufacturing large sized machine
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)

■ Application

- Most suitable for blanking various function films, FPC, printing materials which are necessary for positioning, (labels, stickers, nameplates, holograms, 3-D images)

■ Image processing system

- Dissolved works of positioning printings and punching guide pin holes
- After setting work, the system measures deviation and corrects the position to the orientation then blank material

■ Specification

Model	Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Blanking capacity (s.p.m.)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SSP865E-APS	750×550	Max. 90	45	10~20	25.0	5000	2300	1150	2300×7500
SSP550E-APS	500×500	Max. 60	25	10	11.0	4800	2000	1150	2200×6000

**CCD-CAMERA-APPLIED IMAGE PROCESSING SYSTEM
MODEL APS OR AUTOMATIC MATERIAL POSITIONING
SYSTEM, TAKEN IN ONTO ROLL-FORMED MATERIAL
FEEDING CONTINUOUS BLANKING MASHINES**

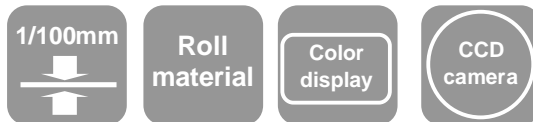
**Servo-control
continuous blanking
machine**

SCP250E-APS

**For metal Die
Image Processing System
Roll Type with Color Display Screen**

■ Features and advantages

- Remarkably improved blanking speed by positioning blanking roll material
- Positioning under Die achieved high-precision blanking compared with conventional machine
- Usable in clean room by means of servo motor-running system
- Color display operation panel adopted for easy-to-see and use
- Circulatory lubrication system incorporated



■ Options

- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)

■ Application

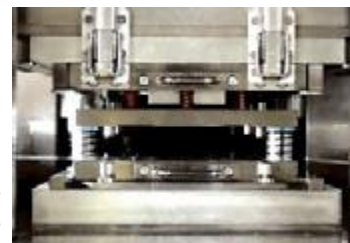
- Most suitable for blanking small back light, films for LCD, FPC, printing materials which are necessary for positioning e.g. various films (polarized/reflection film, lens film), FPC, labels, stickers, nameplates, holograms, 3-D images

■ Image processing system

- Dissolved works of positioning printings and punching guide pin holes
- After setting work, the system measures deviation and corrects the position to the orientation then blank material

■ Specification

**Applicable for both metal Die
and Pinnacle Die**



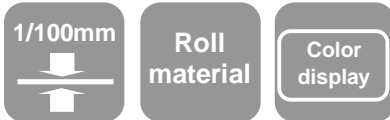
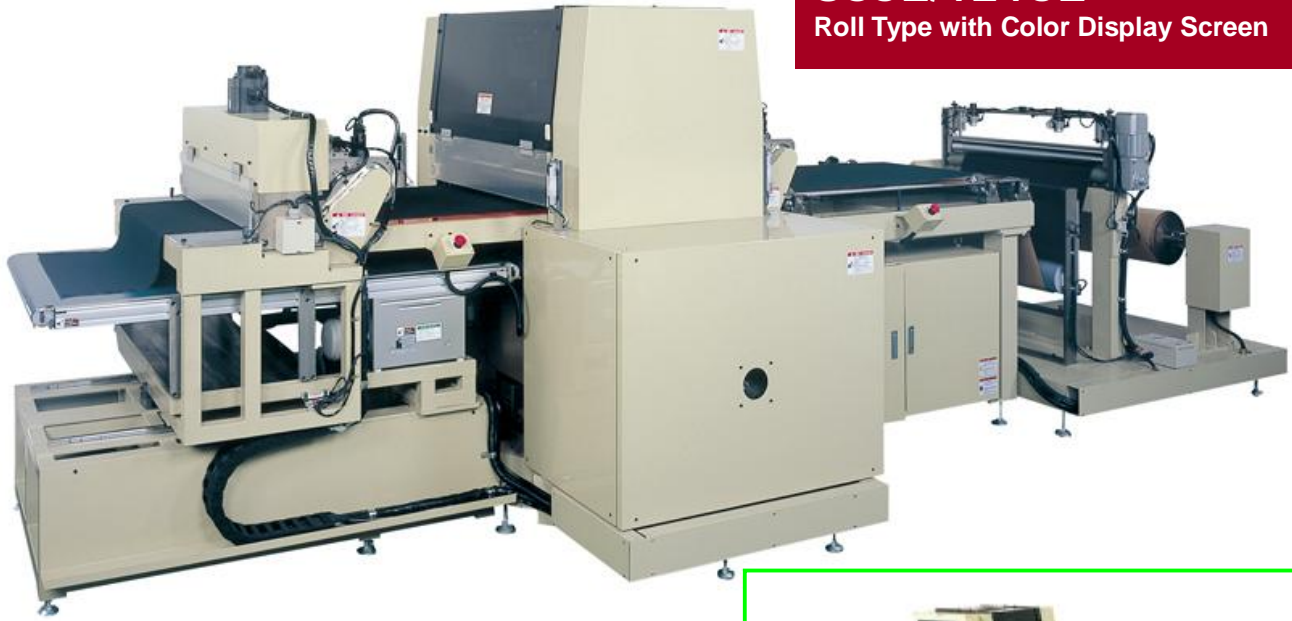
Model		Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Blanking capacity (s.p.m.)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SCP250E-APS		180×190	30	6	Max. 200	14.0	2500	1500	1000	1800×3000
SCP250E-APS (Compatible with Pinnacle and Metal Die)	Pinnacle	160×180	30	6	Max. 140	14.0	2500	1500	1000	1800×3000
	Metal Die	160×160			Max. 120					

SUITABLE FOR BLANKING ROLL MATERIAL

Numerically controlled
continuous blanking
machine

865E/1215E

Roll Type with Color Display Screen



SCP350E
(For roll material)

■ Features and advantages

- Capable of blanking both sheet and roll material (Two-way type)
- Capable of connecting with various value-added instruments such as unwinding unit, winding unit, waste-winding unit, edge position control (EPC) system, dancer roll, feeding conveyor, product loader
- Material supply system
Synchronized front and rear nip roll mechanism, most suitable for high-speed feeding
Resin film conveyor feeding system, most suitable for sheet and soft material feeding
Grip feed mechanism, most suitable for high-precision feed
- Color display operation panel adopted for easy-to-see and use
- Die locking system by electric controlled Die holder, easy to exchange Die by one touch type
- Circulatory lubrication system incorporated

■ Options

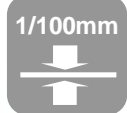
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)

■ Specification

Model	Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Blanking capacity (s.p.m.)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SCP350E	350×250	40	10	50~150	9.0	2800	1500	900	1000×3800
PAL500E	500×350	40	20	50~120	6.0	4000	1480	900	1580×4500
865E	750×500	50	50	38~90	11.0	6000	1750	1050	2300×6500
1215E	1100×600	50	50	38~66	13.0	7500	1750	1050	2600×6500

Blanking machine with
Double-crank system
PH865/1215
Half Cut Model with
Auto Table

THE MACHINE ENJOYING TIME-HONORED POPULARITY



Single
shot
blanking

■ Features and advantages

- Electric controlled Die locking system incorporated
- Both-side polished auto table incorporated as standard
- Digital indication blanking pressure adjustment in every 0.01mm
- Circulatory lubrication system incorporated



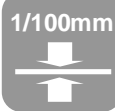
■ Specification

Model	Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
PH865	750×500	50	50	* 15	5.0	4500	1760	1030	2210×2150
PH1215	1100×600	50	50	* 15	5.0	5500	1760	1030	2500×2350

* Including table movement and press action

Blanking machine with
double-crank system
PW865/1215

THE MACHINE TO SERVE THROUGH THIN AND THICK MATERIALS



Single
shot
blanking



■ Features and advantages

- Full-cut specification
- Digital indication blanking pressure adjustment in every 0.01mm
- Auto table system is available as option

■ Applications

- Blanking paper, fabric, rubber packing, joint sheet, polyurethane foam, polyethylene foam, leather, felt, various films
- Wide range of usage from thin material to thick material

■ Specification

Model	Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
PW865	865×500	50	50	* 55	3.7	4000	1760	1020	2210×1730
PW1215	1215×600	50	50	* 55	3.7	4900	1760	1020	2560×2180
PW1430	1430×600	50	50	* 55	3.7	5400	1800	1020	2750×2350

* Press blanking only

**SERVO CUTTER,
THE SWITCHOVER TO/FROM NIP-ROLL FEED SYSTEM/
AC SERVO BALL SCREWED TABLE FEED SYSTEM**

Servo Cutter
SC600RT/1200RT
Feeding either Roll-Formed
or Sheet Work

■ Features and advantages

- 3 types of feeding systems; for roll material, for sheet material and for both roll and sheet material
- Usable in progressive blanking work by adopting ball screw for table feeding
- Changeable cutting height freely by means of servo motor controlled height adjustment system
- Usable multi-cavity Die by enough rigidity and applied pressure
- Speed changeable on the bottom dead point
- Both high-speed blanking, silence and low dust generation realized by means of servo motor
- Horizontal circular motion mechanism for material underlay to prevent burrs on cut products provided
- Color display operation panel adopted for easy-to-see and use
- Circulatory lubrication system incorporated

CE marking conformity **CE**

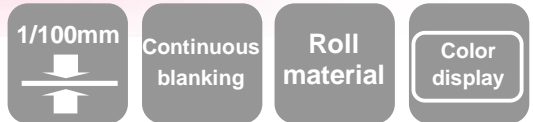


SC1200T

* This photo includes laminating unit as option

■ Option

- Roll stand and laminating unit
- Height indication in 0.001mm
- Trilingual display (Japanese/English/Chinese)



■ Specification

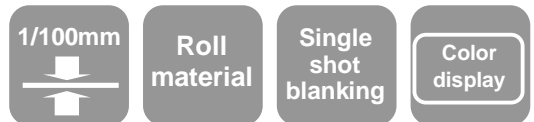
Model	Max. cutting width (mm)	Effective blanking area (mm)	Mechanical stroke (mm)	Max. applied pressure (ton)	Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
SC600R	600	600×150	40	7	200	7.0	2700	1600	900	1500×1700
SC600T	600	600×150	40	7	200	7.0	2700	1600	900	1500×3800
SC600RT	600	600×150	40	7	200	8.0	2700	1600	900	1500×3800
SC1200R	1200	1200×150	40	7 (15)	200 (160)	8.0 (9.0)	3500	1600	900	2100×1700
SC1200T	1200	1200×150	40	7 (15)	200 (160)	8.0 (9.0)	3500	1600	900	2100×3800
SC1200RT	1200	1200×150	40	7 (15)	200 (160)	8.0 (10.0)	3500	1600	900	2100×3800

Numerically controlled
continuous blanking
machine

LC320

Laser blanking machine

NEW CUTTING TECHNOLOGY ESTABLISHED BY
INTEGRATED THE TALTES LASER OSCILLATOR
AND ORIGINAL CONTROL TECHNOLOGY



■ Features and advantages

- High-speed and minute blanking work by galvanized mirror system
- Capable of adjustment 1/100mm of focus distance
- Capable of peeling glue smoothly and applicable for cutting fibers
- Non-dust from cutting side

■ Applications

- Blanking soft materials (film and adhesive material), e.g. insulated film
- Blanking new material and composite material, e.g. composite laminating material (soft material)
- Post-processing, prevention re-adhesion and separation
- Minute blanking, especially materials with a large number of small holes, e.g. medical tapes
- Hard and brittle material, e.g. ceramics, honeycomb material

■ Specification

Model	Cutting area (mm)	Output (W)	Output range (W)	Laser length (micro mm)	Laser type
LC320	300×200	50	5~50	10.6	Enclosed CO ₂ forced cooling type



■ Features and advantages

- Easy to handle and best-selling hydraulic blanking machine
- Multipurpose usage from small-sized and large-sized material

■ Applications

- Blanking paper, fabric, rubber packing, joint sheet, polyurethane foam, polyethylene foam, leather, felt, various films
- Wide range of usage from thin material to thick material

■ Option

- Half-cut spec., hot plate, laser marker

■ Specification

Model	Effective blanking area (mm)	Mechanical Stroke (mm)	Max. applied pressure *ton(Capacity (s.p.m)	Power (kW)	Weight (kg)	Height (mm)	Table height (mm)	Installation space (mm)
HUPS100B	1160×1000	20~140	100	6	11.0	7000	1450	880	1790×3700
HUPS130B	1160×1000	20~140	130	6	11.0	7000	1450	880	1790×3700
HUPS100A	1410×1100	20~140	100	5	11.0	9000	1500	900	1800×3900
HUPS130A	1410×1100	20~140	130	5	11.0	9000	1500	900	1800×3900
HUPS150A	1410×1100	20~140	150	5	11.0	9500	1640	900	1800×3900
HUPS200	1410×1100	20~140	200	5	15.0	13000	1930	1190	1835×3950
HUPS250	1410×1100	20~140	250	5	15.0	13000	1930	1190	1835×3950
HUPS250S	1160×1200	20~140	250	5	15.0	14000	2130	1370	2210×4560

**NON-CONTACT 2-D DIMENSION
MEASUREMENT INSTRUMENT
BY IMAGE POSITION DETECTION**

**Automatic dimension measuring apparatus
Image diagnostic system**



Features and advantages

- Small, light weight and easy to handle
- High-precision and speed measurement
- Incorporated image memory function, effective in condition observation and transmissible
- Capable of Excel (R) output measurement result and convenient for issuing test record
- Combination of auto measurement and semi-auto measurement capable of measuring almost parts

<Auto>

- Combination of auto measurement and semi-auto measurement capable of measuring almost parts

<Semi-auto>

- Corner, circle (radius, diameter, distance between centers), elongated hole (short diameter, long diameter), R cut (radius), U cut, C cut, sector

Applications

- Paper, fabric, rubber packing, joint sheet, polyurethane foam, polyethylene foam, leather, felt, various films, metal, Thomson Die

Specification

Model	Outer dimension (mm)			Weight (kg)	Measurement range (mm)	Max. Height of measured object (mm)
	Width	Depth	Height			
GS-1010	380	480	455	19	90×90	45
GS-3025	800	600	700	40	320×250	45
GS-6040	1100	800	800	85	575×420	45
GS-150120	2500	2000	1500	4000	1500×1200	45



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