

FULL-AUTOMATIC PRINTED CIRCUIT BOARD PUNCHING SYSTEM

# PAPS-GS

*High-speed and full-automatic system optimum to the production of wide variety and small quantity of Printed Circuit Board (PCB).*

## FEATURES

### 1. Short-cut of start-up time

Side-installed positioning unit (Robot) and two-edge positioning method ease start-up operation and shorten start-up time.

### 2. Easy operation

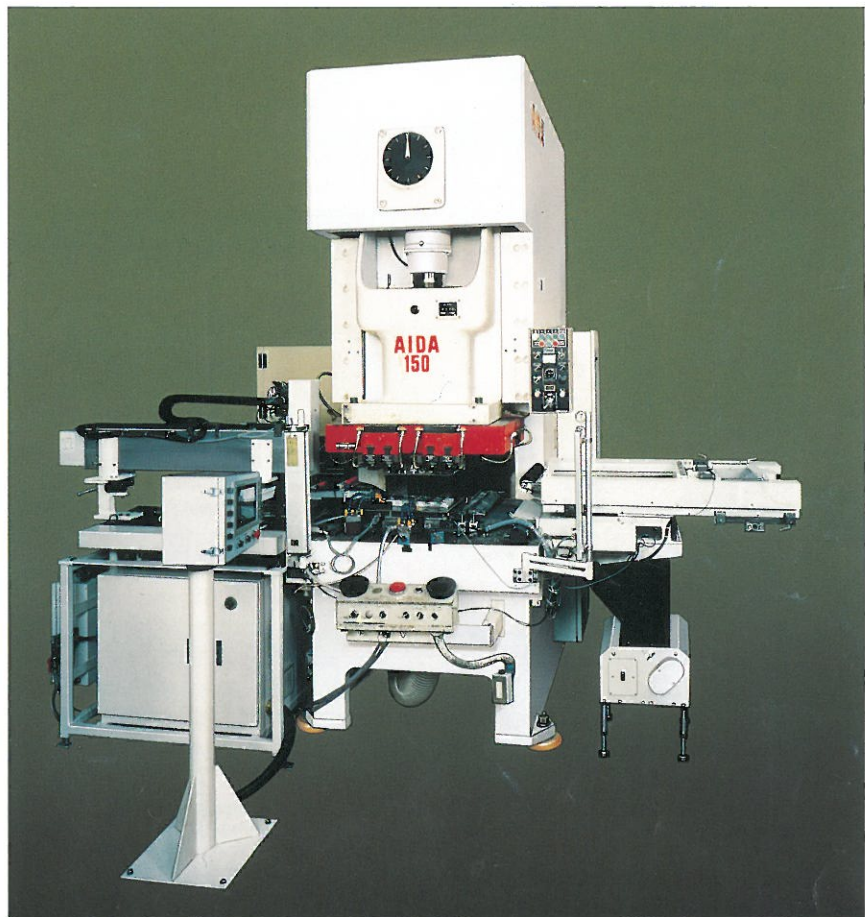
Dialogistic teaching function makes operation very simple.

### 3. High safety and reliability

Photoelectric type sensing safety device in the front of press and double interlock circuit of each component guarantee operator's safety and also prevent damages of precious die in automatic operation.

### 4. Suitable system for FA

Using programmable controller (standard spec.) or personal computer (option) it is possible to apply FA.

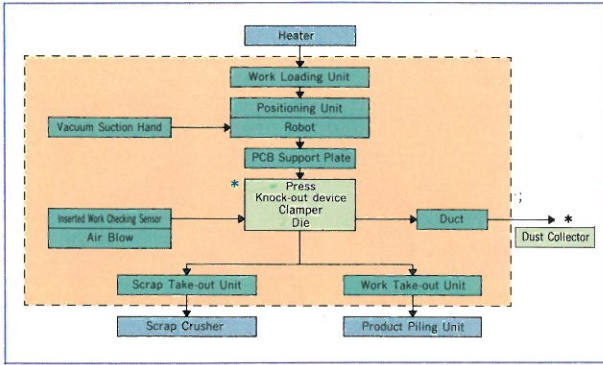


# JSW

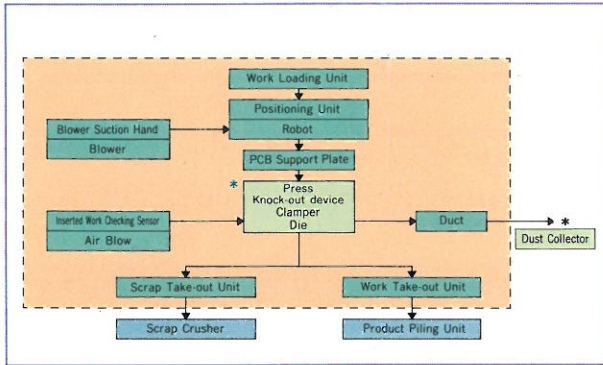
**THE JAPAN STEEL WORKS, LTD.**

## SYSTEM COMPONENTS

### System for single-sided board



### System for through-hole board



Scope of Supply (PAPS) \* Out of Scope Peripheral Equipment

## SPECIFICATIONS

### PAPS-GS·S

Press : 45T, 60T, 80T

Cycle time (45TON Press) shot/hr	1,150	
Work dimension before processing	Length	mm Min.250~Max.610
	Width	mm Min.80~Max.280

#### Robot

Type	Rectangular type	
Drive	AC servo-motor	
Operation system	PTP teaching play back system	
	Horizontal stroke	mm 615(45 <sup>T</sup> ), 715(60 <sup>T</sup> , 80 <sup>T</sup> )
	Vertical stroke	mm 50
Positioning reproducibility	mm	±0.05
Work weight	kg	Max.0.5

### PAPS-GS·L

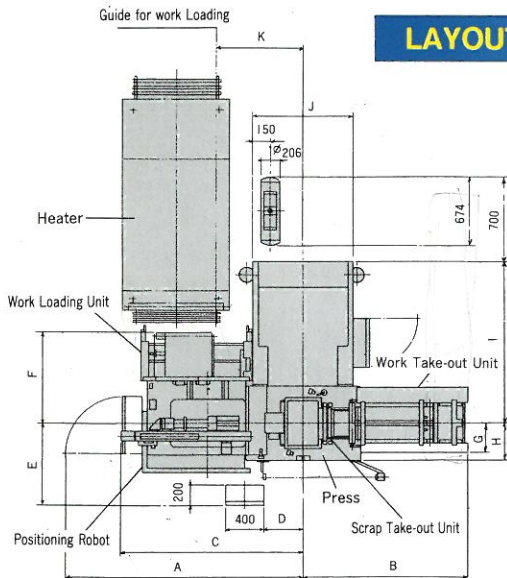
Press : 80T, 110T, 150T, 200T

Cycle time (110TON Press) shot/hr	900	
Work dimension before processing	Length	mm Min.330~Max.610
	Width	mm Min.200~Max.400

#### Robot

Type	Rectangular type	
Drive	AC servo-motor	
Operation system	PTP teaching play back system	
	Horizontal stroke	mm 715(80 <sup>T</sup> ), 815(110 <sup>T</sup> , 150 <sup>T</sup> ), 915(200 <sup>T</sup> )
	Vertical stroke	mm 50
Positioning reproducibility	mm	±0.05
Work weight	kg	Max.0.5

## LAYOUT



#### Reference Dimension

(Unit : mm)

Press	A	B	C	D	E	F	G	H	I	J	K
200T	2,560	1,695	2,115	500	1,360	945~1,045	305	420	2,000	1,235	1,010
150T	2,450	1,695	1,915	400	1,300	945~1,045	305	380	1,660	1,035	900
110T	2,400	1,695	1,870	400	1,260	945~1,045	305	340	1,450	935	850
80T	2,340	1,645	1,820	400	1,220	945~1,045	305	300	1,210	800	790
80T	2,340	1,645	1,820	400	1,220	945~1,045	255	300	1,210	800	790
60T	2,300	1,645	1,820	400	1,180	945~1,045	255	260	1,050	720	750
45T	2,270	1,620	1,595	400	1,140	945~1,045	255	220	940	665	720

**JSW**  
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#### Enquiries

Electronics Equipment Sales Group  
Electronic & Industrial Machinery Division  
Telephone: dial-in (03) 3501-6135  
Facsimile: (03) 3595-4620

HEAD OFFICE HIBIYA-MITSUBLDG. 1-2 YURAKUCHO 1-CHOME,  
CHIYODA-KU, TOKYO, JAPAN  
TELEPHONE: TOKYO 3501-6111

Düsseldorf Office: Königsallee 63-65, 40215 Düsseldorf F.R, Germany  
Phone: (21)370559 Fax: (21)377658

Singapore Office: 16 Raffles Quay, #27-01C, Hong Leong., Singapore 0104, Republic of Singapore  
Phone: 2206227 Fax: 2240726

Teheran Office: Gandi Ave., Corner of Street No.18, Bldg. No.72 Apartment No.5, Second Floor,  
Postal Code 15179, Teheran, I.R. of Iran  
Phone: (21)686685 Fax: (21)8071199 Telex: 213057(JSW IR)

Beijing Office: 5 Dong Sanhuan Bei-lu Chaoyang District, Beijing, Beijing Fortune Bldg., Room  
No.920, People's Republic of China Phone: (1)501-3206 Fax: (1)501-3205

#### Japan Steel Works, America, Inc.

Head Office: 200 Park Ave., Suite 3920, New York, N.Y. 10166, U.S.A.  
Phone: (212)878-9700 Fax: (212)490-2575

Los Angeles Office: 5801 East Slauson Ave., Suite 205, Los Angeles, California 90040, U.S.A.  
Phone: (213)725-3143 Fax: (213)725-6662

Houston Office: 9801 Westheimer, Suite 720, Houston, Texas 77042, U.S.A.  
Phone: (713)953-9151 Fax: (713)953-1439



**KANSAI DENSHI CO., LTD.**

YOSHIKAWA SANGYO BLDG. 201  
1-8-1 AZUCHIMACHI, CHUO-KU,  
OSAKA 541, JAPAN  
PHONE 06-262-9261  
FAX 06-262-9232  
TELEX 05223819 KEMOSK J