AIDA™

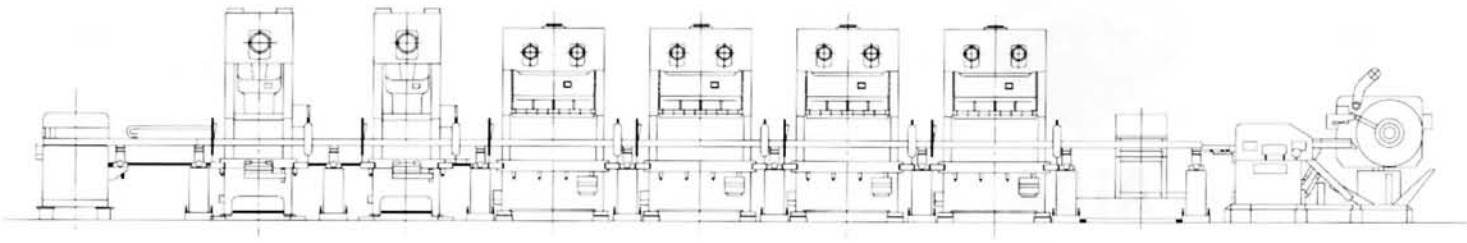
LINEPACER NCTHL™

A-8Ⅱ™ ROBOT

MULTIPACER NCAH-Ⅲ™

AIDA Press Line Transfer Robot System Specifications

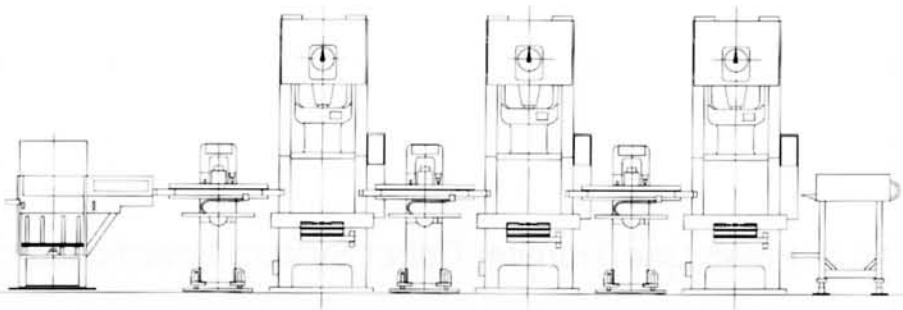
LINEPACER NCTHL



Model		NCTHL-150/10-A B			NCTHL-300/10-A B		
Feed stroke (mm)		700～900	1000～1200	1300～1500	1600～1800	1900～2400	2500～3000
Lift stroke (mm)		20～60 (Variable) (20～100) *1			20～60 (Variable) (20～100) *1		
Feeding direction B		L : Left to Right · R : Right to Left					
Conveyance weight limit (Work + clamp) / set (kg)		MAX. 3.0	MAX. 3.5	MAX. 4.0	MAX. 4.5	MAX. 5.0	MAX. 6.0
Number of presses in line A (units)		MAX. 6 units (8 units for direct feed line)			MAX. 6 units		
Clamp method		Vacuum or magnetic (Mechanical clamper)					
Drive type		Two-axis (Feed / Lift) servo drive					
Electric drive motor *2	Feed (kw)	15 (22)					
	Lift (kw)	5.5 (7.5)					
Power supply (V×Hz)		200／220×50／60					
Air pressure requirements (MPa)		0.5					
Cycle time *3 (sec.)		2.0～2.1	2.2～2.5	2.6～2.9	3.0～3.2	3.3～3.7	3.7～3.8

*Note : *1 is option.
*2 Feed motor and lift stroke is determined by conveyed weight and operational conditions.
*3 Cycle time is affected by stroke length.

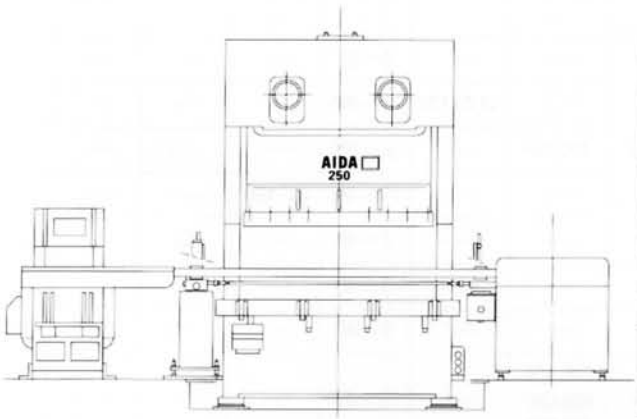
A-8II ROBOT



型　式	A-8II-90	A-8II-120	A-8II-150
Feed stroke (mm)	900 (Fixed)	1000～1200 (Select a fixed stroke)	1300～1500 (Select a fixed stroke)
Lift stroke (mm)	25～100 (Variable)		
Feed direction	L : Left to Right · R : Right to Left		
Conveyance weight limit (Work + clamp) / set (kg)	MAX. 4.0		
Clamp method	Vacuum or magnetic (Mechanical clamper)		
Drive type	Two-axis (Feed / Lift) servo drive		
Electric drive motor (kW)	For feed:2.0, For Lift / down:2.0,		
Power supply (V×Hz)	200／220×50／60		
Air pressure requirements (MPa)	0.5		
Cycle time (sec.)	1.45～1.9	1.55～2.0	2.0～2.55

* Note: Cycle time is affected by stroke length.

MULTIPACER NCAH-III



Model		NCAH-III-60/6 A	
		(1)	(2)
Feed stroke (mm)		200～600	
Lift stroke (mm)		20～60 (Variable)	
Feed direction A		L : Left to Right · R : Right to Left	
Conveyance weight limit (Work + clamp) (kg)		MAX. 3.0 ※1	
Number of clamps		2～12 (12 Maximum)	
Clamp method		Vacuum or magnetic (Mechanical clamper)	
Drive type		Two-axis (Feed / Lift) servo drive	
Electric drive motor *2	Feed (kw)	3.0	4.4 (6.0) ※2
	Lift (kw)	1.2	2.0
Power supply (V×Hz)		200／220×50／60	
Air pressure requirements (MPa)		0.5	
Cycle time *3 (sec.)		1.4～2.0	
Press master		×	○
Motion change-over		×	○

*Note : *1 Maximum conveyance weight is 25kg.
*2 Feed motor is determined by conveyed weight and operational conditions.
*3 Cycle time is affected by stroke length.

BLANK FEEDER

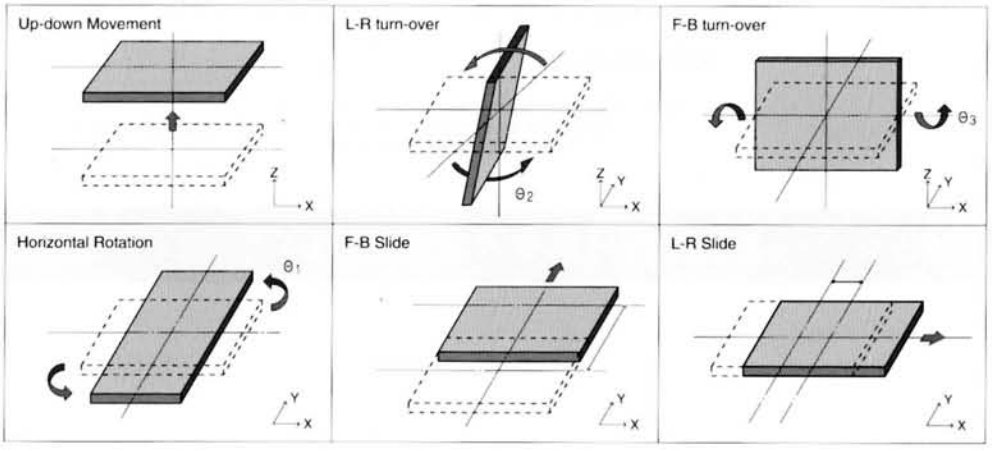
Compatible equipment types		NCTHL · A-8II ROBOT			NCAH-III
Model		BFA-50/40-30 A	BFA-70/60-30 A	BFA-80/60-30 A	NCBFA-35/60-30 A
Blank size [L-R×F-B] (mm)	MAX.	500×400	700×600	800×600	350×600
	MIN.	□120	300×200		□120
Stack height (mm)		300			
Number of stacks		2			
Blank separation method		Magnetic floater type			
Blank positioning method		Manual: Guide-rod adjustment type			
Blank loading method		Cassette type			
Double blank detection method		Roller type			
Feed direction A		L : Left to Right · R : Right to Left			
Compatible blanks	Thickness (mm)	0.5～2.3			
	Composition	Magnetic conductor, SPC or equivalent			
Stack-changing method		Automatic			
Slider drive method		Air cylinder			Servo motor

* Note: A compatible blank feeder for longer work pieces is also available.

Intermediate Stage, Peripheral Equipment Specifications

	Equipment name	Model	Details of Movement	Workpiece Size		X	Y	Z	Θ1	Θ2	Θ3
				Width×Depth	Height						
Intermediate Stages	Fixed Stage	FX-1	Fixed in position	(Note 1)	(Note 2)	—	—	—	—	—	—
	Up-down Stage	FX-2	Moves up and down	400×350	0	—	—	0～50	—	—	—
	F-B Slide Stage	FX-3	Moves front to back	∫	∫	—	40,80,120	(0～40)	—	—	—
	L-R Slide Stage	FX-4	Moves left to right	800×600	100	100,200	—	(0～40)	—	—	—
	Rotational Stage	FX-5	Rotates horizontally			—	—	(0～40)	90°,180°	—	—
Contra-rotation Equipment	L-R Turn-over Device (Note 3)	MT-2S	Moves up and down + L-R turn-over	400×350	40	—	—	0～40	—	180°	—
		MT-3S		500×500	40	—	—	0～40	—	180°	—
	F-B Turn-over Device (Note 4)	MT-□F	Moves up and down + F-B turn-over	400×800	40	—	—	0～40	—	—	180°
	Slide Table	SF-□	Moves left to right	—	40	300,400 500,600 700,800	—	(0～40)	—	—	—
	Discharge equipment	SHO-60	Moves up and down as well as left to right (front to back)	600×350	40	600	(600)	35～65	—	—	—
		SHO-75		750×350		750	(750)				

Note 1: Workpiece sizes that can be accommodated are determined on an individual basis.
When ordering the entire robot line, please indicate the required dimensions for the blank feeder.
Note 2: Workpiece heights that can be accommodated are determined on an individual basis.
Note 3: The L-R turn-over turn-table is of two-side type, so the shape of workpieces is limited to L-R symmetarical ones.
Note 4: The F-B turn-over is restricted in terms of workpiece size, workpiece height, and workpiece shape.
Note 5: ( ) is option.



※The specifications in this brochure are subject to change without notice.

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