

UCHIDA

**AFTER-
PRINTING
EQUIPMENT**

UCHIDA PAPER DRILLS & PUNCHES

Uchida's top-share paper drilling machine with wide range models and reliability



UCHIDA YOKO CO., LTD.

Table lift type

model **LA-EX4**
model **LA-EX2**
model **LA-EX3**



LA-EX series designed for taking ease of operation, high cost performance with accuracy and safety into consideration.

Specifications

Model	LA-EX2	LA-EX3	LA-EX4
Number of head	2	3	4
Drilling system	Table lift type		
Maximum drilling thickness	65mm (*1)		
Drilling diameter	3-14mm (*1)		
Back margin	5-65mm		
Selection of pitch	Freely adjustable by universal pitch gauge (*2)		
Paper carriage	Manual		
Head distance	65 to 330mm	Between outer two heads : 90-330mm Between center and outer head : 45-165mm	Between outer two heads: 195-330mm Between inner two heads: 65-200mm
Drill bit height adjustment	Independently adjustable by standard tool (Adjustable distance : 5mm)		
Operation	Operated by two push button or foot switch		
Table lifting speed (*3)	Variably adjustable		
Spindle rotating speed (*3)	Variably adjustable		
Paper waste disposal	Natural emission to back side in waste basket		
Table Size (W) x (D)	1000x470mm		
Power source	220-240VAC/50 or 60Hz Single phase		
Power Consumption	1.5KW		
Net weight	200Kg	210Kg	220Kg
Dimensions (W) x (D) x (H)	1220 x 660 x 1370mm		
Safety Standards	CE		

Speed control

Since the inverter is mounted as standard accessory, the speed of head rotation and stroke elevation can be easily adjusted by the switch located at the front of the table.

Independent movement of 4 drilling heads

The distance of each head can be adjustable by 4 adjuster wheels independently.



adjuster wheel for head distance

(*1) Uchida can supply drill bit with diameter up to 13mm and depth up to 50mm in maximum.
Optional adaptor is required for 3mm drill bit.
(*2) 2 blocks adjustable to any positions.
(*3) The speed of table lifting and spindle rotation is changed synchronously by inverter.

High performance NC drills

- High performance NC drilling machine helps to increase productivity.
- Automatic paper carriage (X axis : All models, X & Y axis : SR-4Y)
- Automatic head distance setting (SR-4X and SR-4Y)
- Desirable pitch can be programmable by touch panel under interactive mode.

Specifications

Model	SK-552	SK-554	SR-4X	SR-4Y
Number of head	2	4		
Head distance adjustment	Manual		Automatic (DC motor)	
	40 to 400mm		Between outer two heads : 120-400mm Between inner two heads: 40-360mm	
Paper carriage	X -Axis : Automatic, Y-Axis : Manual			Both X and Y axis : Automatic
Moving range of center table	35-525 (From table center to left paper guide)			
Drilling system	Spindle stroke type			
Maximum drilling thickness	50mm			
Drilling diameter	3-13mm (*1)			
Back margin	5-350mm		5-400mm	
Drilling pattern	Programmable up to 80 patterns		Programmable up to 120 patterns	
Drill bit height adjustment	Independently adjustable by standard tool (Adjustable distance : 25mm)			
Operation	Touch panel (LCD screen)			
Stroke speed	8 steps adjustable			
Spindle rotating speed	8 steps adjustable(option)			
Paper waste disposal	Automatic suction to the waste basket			
Table Size (W) x (D)	1200x760mm		1200x810mm	
Power source	200, 220, 380, 400, 415VAC / 50 or 60Hz / 3phase			
Power Consumption	1.6KW			
Net weight	430Kgs	450Kgs	470Kgs	470Kgs
Dimensions (W) x (D) x (H)	1200 x 1144 x 1326mm			
Safetv Standards	-			

(*1) For 9-13mm drill bit, optional spindle head is required. (This spindle can use 3-8mm drill bit by using adapter)

model **SK-552** (Head distance: manual setting)

model **SK-554** (Head distance: manual setting)



model **SR-4X** (Head distance: automatic setting)

model **SR-4Y** (Head distance: automatic setting)

Small size paper drills

- For Offices and in-house printing
- Compact, powerful and easy to operate machine

Multi-hole type paper drills

By rotating the pre-programmed pitch bar dial, the desirable hole pitch can be selected from several pitch patterns.



model **VS-15**

(Capacity : 350 sheets/64gm²)



model **VS-25**

(Capacity : 580 sheets/64gm²)



model **VS-55**

(Capacity : 580 sheets/64gm²)

2 hole type paper drills

Speedy and accurate 2-hole drilling is conducted by the table slides by 80mm pitch.



model **VS-10**

(Capacity : 350 sheets/64gm²)



model **VS-20**

(Capacity : 580 sheets/64gm²)



Round Corner Unit for VS55

Cutting System	Twin blade (upper and lower blade)
Maximum Cutting Capacity	25mm(1.0")
Dimensions	300(W) X 275(D) X 105(H)mm [11.8"(W) X 10.8"(D) X 4.1"(H)]
Net Weight	5kg
Standard Cutting Radius	6R(degrees)
Optional Cutting Radius	3R, 5R, 7R(degrees)

Specifications

Model	VS-10	VS-20	VS-15	VS-25	VS-55
Maximum drilling thickness	30mm	50mm	30mm	50mm	50mm
Maximum paper size	376mm (B4 longitudinal)		376mm (B4 longitudinal)		
Drilling diameter	4, 5, 6mm	4, 5, 5.5, 6mm	4, 5, 6mm	4, 5, 5.5, 6mm	2 to 13mm
Back margin	6 to 35mm		6 to 35mm		
Selection of pitch	80mm (2 hole)		Multiple holes (selectable by pre-programmed pitch bar)		
Paper carriage	Manual (Table moving)				
Table Size (W) x (D)	253 x 180 mm		480 x 260 mm		
Power source	110, 120, 230 or 240VAC / 50-60Hz				
Power Consumption	90W	180W	90W	180W	200W
Net weight	8.7Kg	9.0Kg	13.2Kg	14.0Kg	30.0Kg
Dimensions (W) x (D) x (H)	290 x 300 x 425mm	290 x 300 x 465mm	480 x 360 x 430mm	480 x 360 x 470mm	480 x 430 x 685mm
Safety Standards	-	CE (230VAC machine only)	-	CE (230VAC machine only)	CE (230VAC machine only)

Pitch assortment of pre-programmed pitch bar.

Version	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
Metric	2 holes : 80mm	4 holes : 80mm	4 holes : 45 - 65 - 45mm	6 holes : 19 - 19 - 51 - 19 - 19mm	34 holes : 8.47mm
Inch	2 holes: 2 3/4"	3 holes: 4 1/4"	3 holes: 3 1/2"	3 holes: 2 3/4"	22 holes: 1/2"

Paper drills for professional use

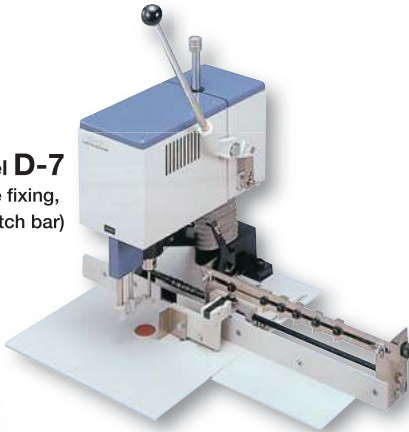
- For printing factory, bindery and in-house printing

Desk top type

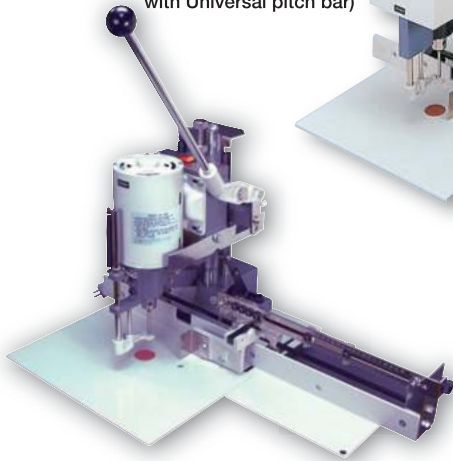
- Compact desk top type saves the working space
- High speed motor provides smooth and accurate drilling

1 spindle type

model D-7
(Table fixing,
with Universal pitch bar)



model D-5
(Table fixing,
with Universal pitch bar)



Specifications

Model	D-5	D-7
Maximum drilling thickness	50mm	
Maximum paper size	420mm (A3 longitudinal)	
Drilling diameter	3 - 13mm (*1)	
Back margin	5 - 215mm	
Side margin (*2)	0 - 360mm	
Selection of pitch	Freely adjustable by universal pitch bar (*3) 80mm pitch : by standard equipment of the pitch gauge	
Paper carriage	Manual (Table fixing)	
Table Size (W) x (D)	560 x 420 (mm)	
Power source	110, 120 or 230VAC / 50-60Hz	
Power Consumption	200W	
Net weight	45Kg	46Kg
Dimensions (W) x (D) x (H)	780 x 580 x 800mm	785 x 580 x 782mm
Safety Standards	-	CE (230VAC Version only)
Optional pitch gauge	1) 30holes, 9.5mm pitch 2) 23holes, 1/2" pitch 3) 40holes, 6.5mm pitch	

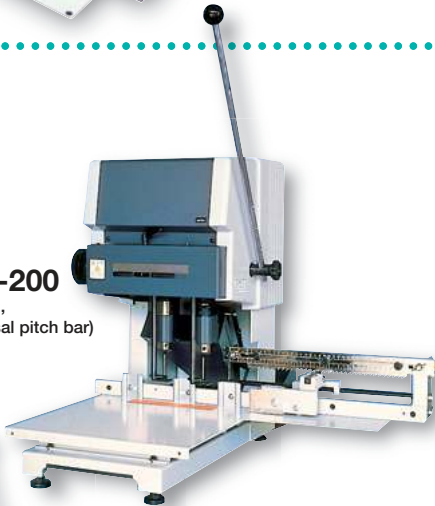
(*1) For 9-13mm drill bit, optional adapter is required.

(*2) Center of hole to side guide plate

(*3) 4 blocks adjustable to any positions.

2 spindle type

model D-200
(Table fixing,
with universal pitch bar)



model VS-200
(Table moving,
with Program pitch bar)



Specifications

Model	VS-200	D-200
Number of head	2 2 synchronous movement	2 Right head: Fixed Left head: Movable
Maximum drilling thickness	50mm	
Maximum paper size	420mm (A3 longitudinal)	
Drilling diameter	2-13mm	
Back margin	5-60mm	
Selection of pitch	By pre-programmed pitch bar	Freely adjustable by universal pitch bar (*1)
Paper carriage	Manual (Table moving)	Manual (Table fixing)
Head distance	40-142.5mm	
Drill bit height adjustment	Manually adjustable by standard tool (5mm)	
Twin head driving system	Timing belt	
Paper waste disposal	Natural emission to back side in waste basket	
Table Size (W) x (D)	540 x 310mm	560 x 390mm
Power source	110, 120 or 230VAC/50-60Hz, Single phase	
Power Consumption	300W	
Net weight	65Kg	68Kg
Dimensions (W) x (D) x (H)	570 x 753 x 930mm	785 x 753 x 930mm
Dimensions excluding handle and waste basket (W) x (D) x (H)	570 x 580 x 650mm	785 x 580x 650mm
Safety Standards	CE (230V version only)	

(*1) 4 blocks adjustable to any positions.

Pitch assortment of pre-programmed pitch bar for VS-200

Version	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6
No. 1	2 holes : any pitch	Free for Universal pitch bar	4 holes : 80mm	4 holes : 45 - 65 - 45mm	6 holes : 19 - 19 - 51 - 19 - 19mm	34 holes : 8.47mm

New Floor type

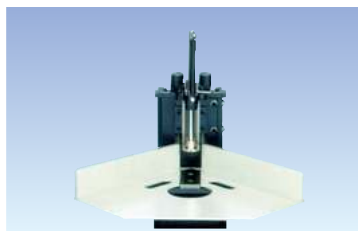
- Suitable floor type model is selectable from a wide range of machines.

Spindle
stroke
type

model XA-2



Pitch pattern can be easily selected by Pre-program pitch bar.



Optional round corner unit

For rounding off corners of papers, round corner unit can be mounted on the XA series drill.



Pre-programmed pitch bar

Pitch pattern can be easily selected by turning the preprogrammed pitch bar.

Quick and Automatic Drill bits height adjustment button eases Drill bits exchange!

- model XA-2, XA-2W (2 spindles)
- model XA-3, XA-3W (3 spindles)
- model XA-4, XA-4W (4 spindles)
- model XA-5, XA-5W (5 spindles)

Specifications

Model	XA-2	XA-3	XA-4	XA-5	XA-2W	XA-3W	XA-4W	XA-5W
Number of head	2	3	4	5	2	3	4	5
Drilling system	Spindle stroke type							
Maximum drilling thickness	50mm (with optional kit, up to 60mm)							
Drilling diameter	2-13mm (*1)							
Back margin	5-215mm				5-390mm			
Selection of pitch	Pre-programmed pitch bar							
Paper carriage	Manual							
Head distance	38-310mm				38-400mm			
Drill bit height adjustment	Independently adjustable by standard tool (Adjustable distance : 25mm)							
Operation	Operated by foot switch							
Paper waste disposal	Natural emission to the side in waste basket				Automatic suction to the waste basket			
Table Size (W) x (D)	900 x 610mm				1200 x 800mm			
Power source	220, 380, 400, 415VAC / 50 or 60Hz / 3phase							
Power Consumption	1.5KW				1.65KW			
Net weight	352Kg	361Kg	370Kg	379Kg	377Kg	386Kg	395Kg	404Kg
Dimensions (W) x (D) x (H)	1135 x 1050 x 1360				1295 x 1230 x 1360			
Safety Standards	-				-			
Stroke speed	Freely adjustable							
Optional equipment	•Inverter to control the drill bit rotation speed •Round corner unit •Universal pitch gauge •Spindle head for 9-13mm drill bit •Caster base (*4)							

(*1) For 9-13mm drill bit, optional spindle is required. (This spindle can use 3-8mm drill bit by using adapter)

(*2) Caster is optional equipment

Pitch assortment of pre-programmed pitch bar

Phase 1	loose leaf pattern : 9.5mm
Phase 2	Inch-unit pattern: 12.7mm
Phase 3	Organize note book : 19mm
Phase 4	80mm pitch
Phase 5	Centering : Centering of paper size from shorter side of B6 to Longitudinal of A3 paper

Heavy Duty paper punch

- For Office
- KN series punch can drill thickly piled papers very easily even it is a manual type.
This is a strong puncher considering work efficiency, safety and energy saving.



model **KN-8**

(Capacity : 160 sheets/64gm²)

model **KN-35**

(Capacity : 390 sheets/64gm²)

■ Specifications

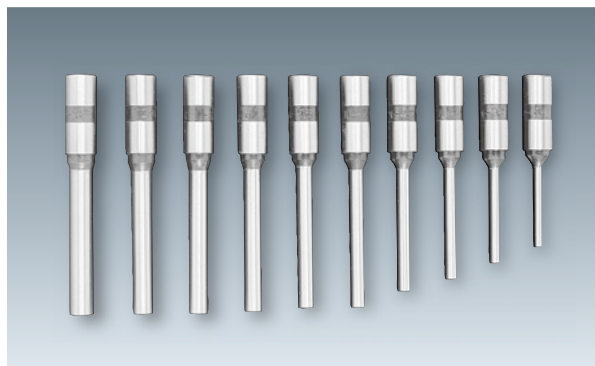
Model	KN-35	KN-8
Maximum punching capacity	35mm	15mm
Punching capacity (64g/m ² paper)	390 sheets	160 sheets
Back margin	12.7mm (fixed)	
Drilling diameter	6.0mm	
Selection of pitch	80mm (2 holes)	
Table Size (W) x (D)	166 x 344mm	136 x 280mm
Dimensions (W) x (D) x (H)	218 x 418 x 536mm	163 x 348 x 375mm

Hollow drill bits

- Hollow type drill makes exceptionally beautiful drilling finish.
- Teflon coated or Silicon coated drill bit can be offered.

■ Specifications

Model	Applicable drill bit diameter
VS-10 and VS-15	4.0, 5.0, 5.5, 6.0mm
VS-20 and VS-25	4.0, 5.0, 6.0mm
KN punch	6.0mm
VS-55, D5, D7, VS-200, D-200, LA-EX, XA, SR and SK	2.0, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0, 9.0 10.0, 11.0, 12.0 and 13.0mm



Automatic drill bit sharpener

- Just inserting the drill bit (from 3mm to 8mm) in to the adjustable holder, drill bit is automatically sharpened in a few second.

■ Specifications

Applicable drill bit diameter	3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 8.0mm
Power source	100, 117, 220, 240VAC, 50/60Hz
Power Consumption	15W
Net weight	4.2Kgs
Dimensions (W) x (D) x (H)	87 x 190 x 125mm



Sharpener



Paper chips remover

UCHIDA YOKO CO., LTD.

9-15, Shiomi 2-chome, Koto-ku, Tokyo, JAPAN
 TEL:81-3-5634-6350
 FAX:81-3-5634-6856 & 5634-6857
 URL:<http://www.uchida.co.jp/overseas/>
 E-mail:overseas@uchida.co.jp