

SLITTER/CUTTER/CREASER COMPARISON

Internal use only

Function	DC-516	DC-618	DC-646	DC-648	DC-746	Uchida AeroCut X	Uchida AeroCut XPro	Horizon Smart Slitter SMSL-100	Multigraf CPC375 XPRO
SPEEDS									
Speed / min : A4 to A5 Leaflets	100	23	30	40	50	-	-	-	est. 50
Speed / min : Business Cards (21-up)	11	9.2	7.5	12.2 - 13.2 ¹	15 - 18.2 ¹	8.6	9	12	19
Speed / min : 1up A3 leaflet	85 (creasing)	16	20	35.3	35	20.0	28.3		39
Speed / min : 4up Greetings Cards		12.5	14	25.5	30	14.9	18.9	21	32
Speed / min : 8 up postcards	16.1	12.8	12.5	20.0	24	13.3	14.6		26
Speed / min : 2up A4 leaflets	23	12 TBC	14 TBC	30.4	45				35
MEDIA									
Min Sheet Length (mm)	150.0	210.0	210.0	210.0	210.0	210.0	210.0	200.0	180.0
Max Sheet Length Standard / Programme (mm)	670 (1600 ²)	750 (1200 ²)	710 (999.9 ²)	710 (1200 ²)	710 (999.9 ²)	750 (1600 ²)	750 (1600 ²)	670.0	1050.0
With feed extension tray	(750 ³) 1000	1078.0	999.9	1200	999.9	1200.0	1200.0		1050.0
Min Sheet Width (mm)	140.0	210.0	210.0	210.0	210.0	210.0	210.0	200.0	105.0
Max Sheet Width (mm)	370	330.5	370	370	370	370	370	370	375
Min Finished Size (mm) W x L	48 x 49 (42 ²)	48 x 49 (36 ²)	48 x 49 (28 ²)	48 x 49 (28 ²)	48 x 49 (28 ²)	45 x 55	45 x 55	48 x 50	80 x 50
Min Paper Weight (gsm)	110	110	110	110	110	120	120	81.4	105.0
Max Paper Weight (gsm)	350 (Cut) 400 (Crease)	400	350 (400 cut)	400	350 (400 cut)	400 ⁴	400 ⁴	350	400
Feed Capacity (mm)	360	100	100	120	150	100	100	150	180
PROCESSING									
Max. Cuts	30	30	30	30	30	20 (cut + crease)	20 (cut + crease)	20	
Max Creases	20	20	20	20	20	20 (cut + crease)	20 (cut + crease)	20	
Slitters Standard (Max)	6 (10)	6	6 (8)	6 (8)	6 (8)	6 (8)	6 (10 with Module)	6	6
Minimum Gutter Cuts (mm)	3	3 (0.1 ²)	3 (0.1 ²)	3 (0.1 ²)	3 (0.1 ²)	2	2	5	3
Gutter Slits (mm)	5	5 to 15	5 to 15	5 to 15	5 to 15	Fixed 7mm	Fixed 7mm	5 to 15	5 to 25
Maximum Size of Trail Edge (mm)	Any	Any	Any	Any	Any	-	25.4	75 (5mm trim inc. last piece)	
Crease Depth Adjustment	Automatic	Automatic	Automatic	Automatic	Automatic	Manual	Manual	Automatic	Automatic
Perforation Positioning	Manual	Automatic	Automatic	Automatic	Automatic	Manual	Manual	Automatic	Manual
Length Part Perforation	Yes	Automatic	Automatic	Automatic	Automatic	No	Yes	Yes	Automatic
Cross Part Perforation	Fixed	Automatic	Automatic	Automatic	Automatic	No	Automatic	Fixed Rule	Fixed Rule
Perforation: Max Paper Weight (gsm)	350	400 (350 with PRM)	350	400	350	-	250	250	300
Tool-less Changeover for Perforating	No	Yes	Yes	Yes	Yes	-	-	No	
Scoring		Yes	Yes	Yes	Yes	No	No	Yes (Not same time as Rotary perf)	?
OTHER									
Programming	Touchscreen	PC Controller	PC Controller	PC Controller	PC Controller	7" Touchscreen	10" Touchscreen	Large Touchscreen	Small Touchscreen
Memory (jobs)	250	250 + PC	250 + PC	250 + PC	250 + PC	266 preset & 100 + 50 customised	266 preset & 100 + 50 customised	200	200
Automatic Barcode Job Recall	No	Yes	Yes	Yes	Yes	Option	Option	Option	Yes
Image Registration Detection	Down	Across & Down	Across & Down	Across & Down	Across & Down	Down	Down	Across & Down	Option
Image Shrink Compensation	Yes	Yes	Yes	Automatic	Yes	Yes	Yes	No	No
Double Sheet Detection	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Ultrasonic	Light Sensor	Light Sensor	Ultrasonic	Ultrasonic
Delivery Stacker capacity (mm)	1600 cards	100	140	150	150				140
Business Card Stacker Capacity	500 cards	40mm 330 cards	60 mm 500 cards	90 mm 750 cards	90 mm 750 cards	est. 55 mm 450 cards	est. 55 mm 450 cards	90 mm 750 cards	100 mm 800 cards
Conveyor Stacker Option	Yes (1200 mm)	Yes (1200 mm)	Yes (1200 mm)	Yes (1200 mm)	Yes (1200 mm)	Yes (length 750 mm)	Yes (length 750 mm)		Yes
Folding Option	No	No	Yes	No	Yes		1 across only	No	1 across only
Mark support in Efi Impose	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	?
Export layout to prepress	No	Yes	Yes	Yes	Yes			No	No
Import layout from prepress	No	Yes	No	Yes	No	Option (Lytrud only)	Option (Lytrud only)	No	No
JDF	No	No	Yes	No	Yes	No	No	Yes	No
Industry 4.0	No	Yes	No	Yes	No	No	No	via IoT (iCE)	No

(1) With and without Elevator Stacker

(2) Extended Feature

(3) With Optional Extended Feed Tray (and with optional Banner Feed tray)

(4) Uchida claim 400gsm but not possible to crease the range 120 to 400gsm with one tool. For creasing, either min. 120 or max. 400 is not correct.