



Omega Converter Series 3

Specification



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Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
General						
Handing	Left to Right					
Maximum material thickness	0.45	0.018	0.45	0.018	0.45	0.018
Minimum material thickness	0.05	0.002	0.05	0.002	0.05	0.002
Maximum running speed semi rotary (m/min & ft/min)	80	262	80	262	80	262
Maximum running speed of FAST Track semi rotary (m/min & ft/min)	150	492	150	492	150	492
Maximum running speed full rotary re register (m/min & ft/min)	110	361	110	361	110	361
Maximum running speed full rotary blank web (m/min & ft/min)	220	722	220	722	220	722
Minimum running speed (m/min & ft/min)	2	7	2	7	2	7
Manual cross adjust movement (all units) +/- (mm & ")	10.00	0.394	10.00	0.394	10.00	0.394
Maximum material width (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Minimum material width (mm & ")	220.00	8.661	280.00	11.024	355.00	13.976

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Unwind Modules						
Maximum unwind diameter (mm & ")	1000.00	39.370	1000.00	39.370	1000.00	39.370
Maximum unwind diameter (mm & ")	1250.00	49.213	1250.00	49.213	1250.00	49.213
Standard unwind shaft diameter (mm & ")	76.20	3.000	76.20	3.000	76.20	3.000
Maximum weight of roll (Kg & lb 1000m and 40")	650.0	1433	650	1433	650	1433
Maximum weight of roll (Kg & lb) 1250m and 50"	650.0	295.5	650.0	295.5	650.0	1433
Maximum adjustment FMS web guide +/- (mm & ")	+/- 25.00	+/- 0.984	+/- 25.00	+/- 0.984	+/- 25.00	+/- 0.984

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	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Corona Treaters						
Corona treaters - standard (Kw)	1	N/A	N/A	N/A	N/A	N/A
Corona treaters - optional (Kw)	2	N/A	2	N/A	2	N/A
Corona treaters - optional (Kw)	3	N/A	3	N/A	3	N/A

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Flexographic Printing Modules						
Flexographic type	Flood coat or rotary re-register					
Maximum printing width (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Maximum rotary flexo plate cylinder size (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Minimum rotary flexo plate cylinder size (mm & ")	254.00	10.000	254.00	10.000	254.00	10.000
Coating roller width - standard (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Accuracy to pre printed web +/- (mm & ")	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006
Doctor blade height carbon steel (mm & ")	15.00	0.591	15.00	0.591	15.00	0.591
Doctor blade thickness carbon steel (mm & ")	0.15	0.006	0.15	0.006	0.15	0.006
Ink pump duct connection inlet diameter (mm & ")	10.00	0.394	10.00	0.394	10.00	0.394
Ink pump duct connection outlet diameter (mm & ")	25.00	0.984	25.00	0.984	25.00	0.984



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	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
UV Curing System						
Type - low energy air cooled	GEW E2C ARC					
Lamp arc length (mm & ")	380.00	14.961	450.00	17.717	550.00	21.654
Lamp power (w/cm & w/')	140	355.6	140	355.6	140	355.6

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Overlamination Modules						
Maximum unwind roll diameter (mm & ")	450.00	17.717	450.00	17.717	450.00	17.717
Standard unwind/rewind shaft diameter (mm & ")	76.20	3.000	76.20	3.000	76.20	3.000
Maximum rewind roll diameter (mm & ")	450.00	17.717	450.00	17.717	450.00	17.717

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Full-rotary Quick Change Die Station						
Maximum die tool size rotary (mm & ")	762.00	30.000	762.00	30.000	762.00	30.000
Minimum die tool size rotary (mm & ")	330	12.992	430	16.29	540	21.260
Maximum die cutting width (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Standard flexible die tool thickness (mm & ")	0.48	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Full-Rotary Die Station						
Maximum die tool size rotary (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Minimum die tool size rotary (mm & ")	330.00	12.992	430	16.929	540	21.260
Maximum die cutting width (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Standard flexible die tool thickness (mm & ")	0.48	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Full-rotary Sheeting / Through Cutting Die Station						
Maximum die tool size rotary (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Minimum die tool size rotary (mm & ")	330.00	12.992	430.00	16.29	540.00	21.260
Maximum die cutting width (mm & ")	12.992	24.000	609.60	24.000	609.60	24.000
Standard flexible die tool thickness (mm & ")	430.00	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	+/- 16.29	+/- 0.006	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006
Accuracy to pre printed web +/- (mm & ")	540.00	0.006	0.15	0.006	0.15	0.006
Doctor blade height carbon steel (mm & ")	21.260	0.591	15.00	0.591	15.00	0.591
Doctor blade thickness carbon steel (mm & ")	0.15	0.006	0.15	0.006	0.15	0.006
Ink pump duct connection inlet diameter (mm & ")	10.00	0.394	10.00	0.394	10.00	0.394
Ink pump duct connection outlet diameter (mm & ")	25.00	0.984	25.00	0.984	25.00	0.984



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	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
CAM Indexing Rotary Die Station						
Maximum die tool size rotary (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Minimum die tool size rotary (mm & ")	330	12.992	430	16.29	540	21.260
Maximum die cutting width (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Standard flexible die tool thickness (mm & ")	0.48	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006	+/- 0.15	+/- 0.006

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Semi-rotary Die Station						
All sizes subject to minimum die tool size						
Maximum die tool size rotary (mm & ")	609.60	24.000	609.60	24.000	609.60	24.000
Minimum die tool size rotary (mm & ")	254	10	330	12.992	430	16.29
Maximum die cutting width (mm & ")	12.992	12.992	430.00	16.929	540.00	21.260
Standard flexible die tool thickness (mm & ")	430	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	16.29	0.006	0.15	0.006	0.15	0.006

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Semi-rotary Fast Track Die Station						
Type	Semi-rotary/full-rotary					
Maximum die cutting width (mm & ")	330.00	12.992	430.00	16.929	540.00	21.260
Standard flexible die tool thickness (mm & ")	0.48	0.019	0.48	0.019	0.48	0.019
Accuracy to pre printed web +/- (mm & ")	0.15	0.006	0.15	0.006	0.15	0.006

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Dual Anvil Mode						
Maximum die cut repeat (mm & ")	558.00	21.969	558.00	21.969	558.00	21.969
Minimum die cut repeat (mm & ")	100.00	3.937	100.00	3.937	100.00	3.937

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Dual Anvil Mode						
Minimum slit width - excluding edge trim mode (mm & ")	15.00	0.591	15.00	0.591	15.00	0.591
Maximum number of knives	15	15	15	15	15	15

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Single Anvil Mode						
Maximum die cut repeat (mm & ")	785.00	30.906	785.00	30.906	785.00	30.906
Minimum die cut repeat (mm & ")	100.00	3.937	100.00	3.937	100.00	3.937



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Waste Matrix Stripping Module						
Maximum roll diameter (mm & ")	700.00	27.559	700.00	27.559	700.00	27.559

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Contact Waste Matrix Stripping Module						
Maximum roll diameter (mm & ")	800.00	31.496	800.00	31.496	800.00	31.496

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Slitting Options						
Scissor slit minimum slit width (mm & ")	15.00	0.591	15.00	0.591	15.00	0.591
Scissor slit maximum number of knives	20	20	20	20	20	20
Autoslit minimum slit width in edge trim mode (mm & ")	31.00	1.220	31.00	1.220	31.00	1.220
Autoslit positional accuracy of slitting knives (mm & ") +/- 0.1	+/- 0.10	+/- 0.004	+/- 0.10	+/- 0.004	+/- 0.10	+/- 0.004

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	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Autoslit Standard						
Minimum slit width - excluding edge trim mode (mm & ")	24.00	0.945	24.00	0.945	24.00	0.945
Maximum number of knives	12	12	12	12	12	12

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	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Autoslit Option						
Crush slit minimum slit width (mm & ")	14.00	0.551	14.00	0.551	14.00	0.551
Crush slit maximum number of knives	16	16	16	16	16	16
Razor blade minimum slit width (mm & ")	12.00	0.472	12.00	0.472	12.00	0.472
Razor blade maximum number of blades	20	20	20	20	20	20
FAST slit minimum slit width (mm & ")	27.00	1.063	27.00	1.063	27.00	1.063
FAST slit maximum number of knives	10	10	10	10	10	10

Description	330 13"		430 17"		540 21"	
	Metric(mm)	Imperial"	Metric(mm)	Imperial"	Metric(mm)	Imperial"
Rewind Modules						
Maximum roll diameter upper shaft (mm & ")	600.00	23.622	600.00	23.622	600.00	23.622
Maximum roll diameter lower shaft (mm & ")	800.00	31.496	800.00	31.496	800.00	31.496
Maximum roll diameter on optional rewind (mm & ")	1000.00	39.370	1000.00	39.370	1000.00	39.370
Maximum roll diameter on optional rewind (mm & ")	1250.00	49.213	1250.00	49.213	1250.00	49.213
Standard rewind air mandrel size (mm & ")	76.20	3.000	76.20	3.000	76.20	3.000



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