

INTRODUCING THE FUTURE OF INDUSTRIAL INKJET ON-DEMAND WEBPRESS

ATEXCO VEGAPRESS 440 / 660

The Future of Book Printing On Demand Digital Web Press

Atexco



- Beat conventional offset printing

- On demand book printing with speed of 50,000 A4 PPH

- Compact design require less space

- No pre-press and limited post-press

- Work with only 3 raw material's "paper ink and glue"

- Require less energy and manpower

UNWINDER
-U1
HIGH SPEED
RELIABLE
FEEDING

PRINT
TOWER 1
600 X1200 DPI

PRINT
TOWER 2
600 X1200 DPI

BUFFER
B1
SUPPORTING
HIGH SPEED
STACKING

CUTTING/
STACKING
SYSTEM C1
600 X1200 DPI



ATEXCO VEGAPRESS IS AVAILABLE IN 4 CONFIGURATION

Atexco Vega Press 440 Mono and Color – Demy Size forms

- Max paper width 445mm
- Max Printing width 432mm
- Power requirement --> 33KW/ 45 KW
- Net weight → 6.8 Tons / 9.3 Tons

Atexco Vega Press 660 Mono and Color – Double Demy forms

- Max Paper width 665mm
- Max Printing width 648mm
- Power requirement --> 38KW/ 50 KW
- Net weight → 7.8 Tons / 10.3 Tons

Length

- Mono – 10 meters
- Color – 14 meters

ATEXCO FEATURES



Choose from monochrome or color (C, M, Y, K) options to suit your needs



Experience excellence with 600*600dpi resolution, thanks to the industrial piezo print head with a 4PL drop size



With a remarkable printing speed of 1010 sheets/min (Single side A4), it effortlessly handles production up to a million pages per day



Print as few as 1 copy without the need for extensive pre-press or post-press work



Its space-saving design and rapid warm-up time (less than 10 minutes) streamline operations while reducing manpower requirements



The Vegapress print tower boasts patented compact paper winding technology, enabling double-sided printing in a compact space



The buffering unit ensures smooth, high-speed printing and stacking for uninterrupted workflows



Water-based pigment ink delivers superior results on a wide range of substrates, including inkjet-coated paper, offset paper, art paper, and newspaper paper



Print on paper as light as 42 gsm or as heavy as 200 gsm, offering cost savings and a plethora of paper options

COMPARISON OF VARIOUS TECHNOLOGIES FOR PRINTING BOOKS

Technology	Heat Set Web	Cold Set Web	Digital Web	Sheetfed Offset
Suitable for :	High quality and high quantity books on coated paper	Low quality, high quantity Text books on uncoated paper	<u>Short run Low to medium quantity books on uncoated</u>	Medium to High quantity books on all types of paper
Cutoff	Fixed	Fixed	<u>Variable</u>	Variable
Quality	Best	Bad – registration issues, scum marks	<u>Good</u>	Best
End product	16 page folded section	16 page folded section	<u>Complete Book block</u>	Printed sheets – most on one side only
Plates and Makereadies	Yes	Yes	<u>No</u>	Yes
Raw Materials	Almost 30-35 raw materials in prepress and printing	Almost 30-35 raw materials in prepress and printing	<u>Only Ink</u>	Almost 30-35 raw materials in prepress and printing
Throughput	Very High	High	<u>50,000 to 75,000 A4s per hour</u>	50,000 to 75,000 A4s per hour

STRONG ECONOMIC AND ENVIRONMENT BENEFITS

Plate making section no more required

No water and chemical discharge while processing the plate

Total of almost 35 different raw materials required for conventional Prepress and Printing that gets eliminated

It also eliminates the need for disposal of these raw materials after use

Zero Makeready Paper wastage, No gripper margin wastage and also no wastage on the sides if reel size is accurate (Huge Paper savings)

Manpower Savings

Electricity savings

Commit deliveries within 12 to 24 hours instead of 12 days

No need to keep big warehouses

Print anywhere from 20 to 5000 books digitally before offset becomes cheaper

Only Paper and ink required in this Digital Press

COMPELLING REASONS WHY YOU SHOULDN'T DELAY YOUR INVESTMENT



PRINTING SPEEDS ON 440 MODEL @60 METERS PER MINUTE

Actual Book Sizes		Page sizes with 3mm margin		No. of ups	Reel width	Grain Direction	Per hour production @ 100 meters speed and 60% efficiency
215	297	221	303	2	442	Long	47,524.75
215	280	221	286	2	442	Long	50,349.65
210	280	216	286	2	432	Long	50,349.65
210	274	216	280	2	432	Long	51,428.57
210	260	216	266	2	432	Long	54,135.34
203	260	209	266	2	418	Long	54,135.34
190	250	196	256	2	392	Long	56,250.00
184	241	190	247	2	380	Long	58,299.60
176	250	182	256	2	364	Long	56,250.00
148	210	154	216	2	432	Short	66,666.67

PRINTING SPEEDS ON 660 MODEL @60 METERS PER MINUTE

Actual Book Sizes		Page sizes with 3mm margin		No. of ups	Reel width	Grain Direction	Per hour production @ 100 meters speed and 60% efficiency
215	297	221	303	3	663	Long	71287.13
215	280	221	286	3	663	Long	75,524.48
210	280	216	286	3	648	Long	75,524.48
210	274	216	280	3	648	Long	77,142.86
210	260	216	266	3	648	Long	81,203.01
203	260	209	266	3	627	Long	81,203.01
190	250	196	256	3	588	Long	84,375.00
184	241	190	247	3	570	Long	87,449.39
176	250	182	256	3	546	Long	84,375.00
148	210	154	216	3	648	Short	1,00,000.00



Digital technology is no longer
a vision of the future; it has
become an integral part of our
present reality

Thanks!

For more details

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