

# Imaggia® II

PRINT SYSTEMS



SHEET-FED DIGITAL PRINT SYSTEMS

IM300 / IM220

# Imaggia® II – IM Series

*This sheet-fed, wide format digital press offers high-speed production, dynamic front-end collation, and support for extremely large media sizes.*

## High Performance Printing

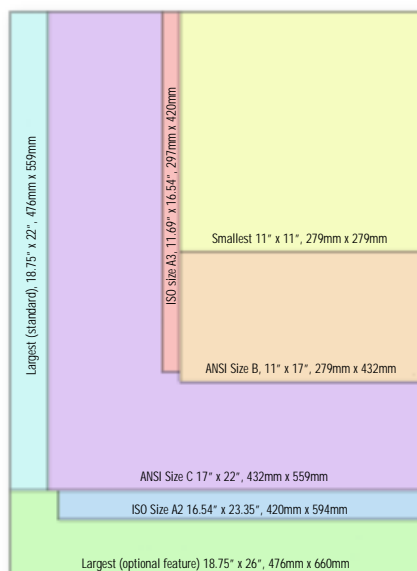
The Imaggia II digital printing systems are designed for productivity. Speed and efficiency make them the ideal choice for high-demand production of checks, financial documents, business forms, and customized direct mail pieces.

The Imaggia II product line features cutting-edge print engine and paper handling technology. The “Gemini” engine, with its patented Electron Beam Imaging (EBI) technology, delivers a wide format print line with outstanding print quality. In particular, the Imaggia II printing systems offer industry leading Magnetic Ink Character Recognition (MICR) printing with excellent adherence, signal strength, and multi-pass image readability.

## Sophisticated Paper Handling

The Imaggia II paper handling is unique for sheet-fed digital presses. Each system features IntelliPick™ dynamic front-end collation from up to 8 input bins per job. Each collator bin supports the largest media sizes of any digital press in the world\* as well as a wide range of paper substrates from lightweight to heavy, coated to uncoated, and more. The system detects and automatically corrects for a variety of fault conditions such as double-picks, incorrect sheet lengths, improper page skew, and empty bins.

\*Imaggia II digital presses accommodate the largest sheet sizes of any digital printer on the market.



Imaggia® II — IM Series

## Ease of Operation

A user interface with an integrated flat panel touch screen and keyboard makes the Imaggia II both productive and easy to use. Operators and technicians responsible for keeping the system running at peak performance appreciate the consistent look-and-feel of the user interface. On-screen software tools are also readily available to assist them in achieving positive results.

## Features and Benefits

All Imaggia II digital presses offer important features and benefits.

Feature	Benefit
Up to 300 ppm print speed	<ul style="list-style-type: none"> <li>• Fast throughput and high productivity</li> </ul>
600 x 600 dpi print quality	<ul style="list-style-type: none"> <li>• Quality printing with fewer rejects</li> <li>• Excellent MICR adherence, signal strength, and multi-pass readability</li> </ul>
<b>EBI Technology</b> <ul style="list-style-type: none"> <li>– Image Belt Technology</li> <li>– Toner pre-heat and pressure fusing</li> </ul>	<ul style="list-style-type: none"> <li>• Speed and throughput</li> <li>• Less edge distortion</li> <li>• Wide-format capability</li> <li>• Simple to service and upgrade</li> </ul>
<b>Handles wide range of paper stocks</b> <ul style="list-style-type: none"> <li>– Small and large sheets</li> <li>– Heavy and lightweight</li> <li>– Coated and uncoated</li> </ul>	<ul style="list-style-type: none"> <li>• Versatility allows for better equipment utilization, more choices</li> </ul>
<b>Front-end job collation</b> <ul style="list-style-type: none"> <li>– Up to 8 input bins</li> <li>– Standard and extended size options</li> <li>– Automatic paper pick profiles</li> </ul>	<ul style="list-style-type: none"> <li>• Print job may not require post-process job collation</li> <li>• Can create signature applications (ANSI—C Size, ISO - A2 Size)</li> <li>• Greater base stock variability per job</li> </ul>
<b>Integrated flat-panel, touch sensitive user interface</b>	<ul style="list-style-type: none"> <li>• Operator and technician ease of use</li> <li>• Smaller footprint</li> <li>• Single operator — multiple machines</li> </ul>
<b>Multiple data stream support</b>	<ul style="list-style-type: none"> <li>• Standards-based and MICR application-specific front-end data processing options</li> </ul>
<b>Wide array of finishing options</b>	<ul style="list-style-type: none"> <li>• Produces many different types of work for enhanced profitability</li> </ul>

## Finishing Solutions

The Imaggia II digital presses are available with a number of flexible output options. Whether you need your documents stacked, slit, batched, or sent by conveyor belt to other finishing processes, Delphax—in conjunction with industry-leading finishing equipment partners—offers flexible solutions to satisfy a wide range of finishing requirements. Refer directly to finishing equipment specifications or contact Delphax for more information about available finishing options.

## Service Offerings

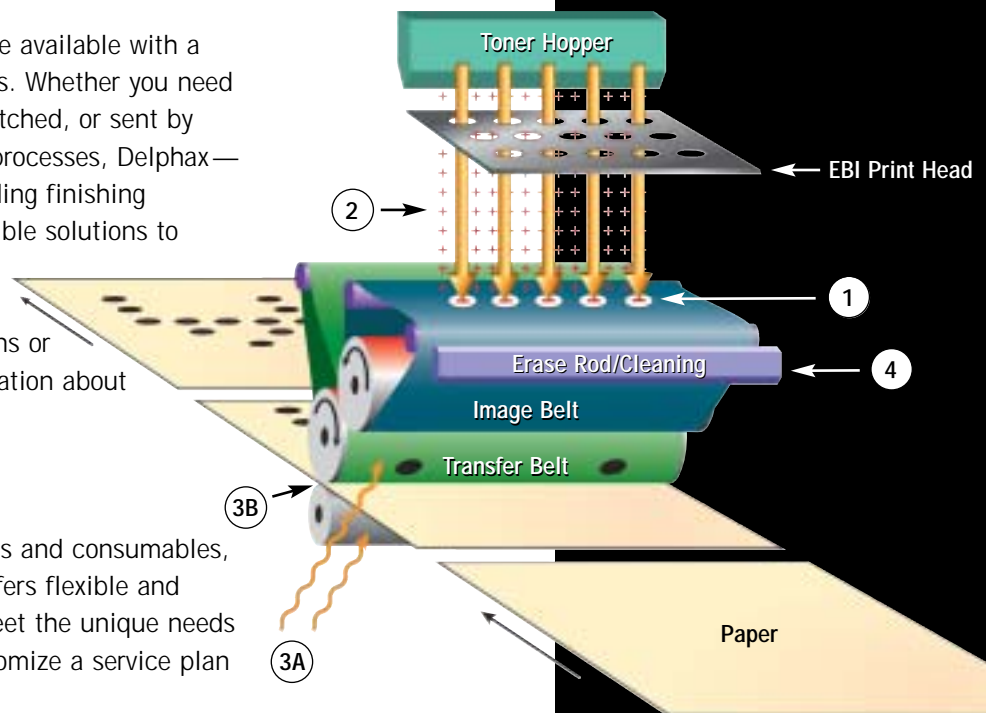
From maintenance plans, to parts and consumables, to training programs, Delphax offers flexible and responsive support options to meet the unique needs of your organization. Let us customize a service plan for you.

## Electron Beam Imaging Fast, and Getting Faster

Delphax is the pioneer and exclusive owner of Electron Beam Imaging (EBI) technology. EBI is a simple and reliable imaging technology with 30% fewer active components than most laser printers. In addition to speed, the latest EBI printers provide uniform and durable fusing, enhanced dot uniformity, and better image control. The result is crisp text and line art that sets new standards for ultra high-speed printing.

### EBI Process

- 1 Image Placement
- 2 Toner Application
- 3A Toner and Paper Pre-heat
- 3B Low Pressure Fusing
- 4 Toner and Charge Removal



# IM Series Specifications

## Print Throughput

### IM300

Page Size		Imposition	Pages per minute
3" x 6"	(76 mm x 152 mm)	12 up	1,662
8.5" x 11"	(216 mm x 279 mm)	2 across	300
A4	(210 mm x 297 mm)	2 across	283
11" x 17"	(279 mm x 432 mm)	1 across	150
A3	(297 mm x 420 mm)	1 across	142

### IM220

Page Size		Imposition	Pages per minute
3" x 6"	(76 mm x 152 mm)	12 up	1,218
8.5" x 11"	(216 mm x 279 mm)	2 across	220
A4	(210 mm x 297 mm)	2 across	208
11" x 17"	(279 mm x 432 mm)	1 across	110
A3	(297 mm x 420 mm)	1 across	104

## Print Engine Performance

Operating Principle	Electron Beam Imaging (EBI)
Print Resolution	600 x 600 dpi
Imageable Print Width	18.24" (463 mm)
Fusing Method	Heat and pressure fusing
Print Placement	Active registration to $\pm 0.04$ " (1 mm)
Print Mode	Monochrome cut-sheet simplex
MICR	Certified E13B and CMC7 in portrait and landscape

## Paper\*

Input	Standard	4 bin collator, 10,000 sheet total capacity
	Optional	8 bin collator, 6,000 sheet total capacity
Weight	53 - 298 gsm	
Size	Standard	11" x 11" (279 mm x 279 mm) to 18.75" x 22" (476 mm x 559 mm)
	Optional	11" x 11" (279 mm x 279 mm) to 18.75" x 26" (476 mm x 660 mm)

Additional paper and ink specifications are available upon request.

## Finishing Configurations\*\*

Batch Delivery Module	Connects to Print Module or Slitter Module
Slitter Module	Connects to Print Module
Shingling Conveyor	Connects to Slitter Module
Deep Pile Stacker Module	Connects to Print Module
Support for 3rd-party finishing solutions	

## Power & Environmental Requirements

### Electrical

Module	North America (60 Hz)	Europe (50 Hz)
Imaggia	265 – 277 VAC, 3 phase with neutral and wired ground, 40 amp dedicated branch circuit	220 – 240 VAC, 3 phase with neutral and wired ground, 40 amp dedicated branch circuit
Finishing Modules	Consult Factory	Consult Factory

### Pneumatic

125 psi (8.6 bar) compressed air at 4.5 cfm (0.128 m<sup>3</sup>/min)  
*Air should be dry, or include an external dryer*  
37° F (3° C) pressure dewpoint

Operating Temperature 55° F to 85° F (13° C to 29° C)

Operating Humidity 35% to 65% RH, non-condensing

Service Access 4' (1.2 m) clearance on all sides  
6' (1.8 m) clearance recommended at front

## Physical Dimensions

Refer to *Installation Planning Guide*

## Connectivity

Network (TCP/IP)

## Data Stream Support

PostScript Level 3	Delphax Format Designer™
PDF	ASCII Flat File

\* Paper properties and machine speed combinations may influence printability and runability.

\*\* Finishing configuration options vary depending on collator size and system speed. Consult factory for valid combinations.



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