DMAW Production Process: Printing

April 27, 2022



Conventional & Variable Printing, Workflows, and 2022 Challenges

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If yoDomitteatraidetaiask????





Conventional Sheetfed Printing





Conventional Sheetfed Printing

- Cut size paper sheet fed through a printing press
- Sheetfed presses can actually be roll-fed as well
- High quality, small to medium size runs
- Presses can print one or possibly two sides at at time
- Can inline aqueous coat
- Most prevalent type of printing press

Conventional Web Printing



Conventional Web Printing

- Roll or web of paper fed through printing press
- Heatset: high quality, Cold web: good quality
- Produce sheets, folded signatures, inline finishing or continuous/roll to roll or fan-folded forms
- Extensive inline/offline capabilities are available
- Presses can print two sides at at time
- Not as prevalent as sheetfed presses

Digital Cutsheet Printing



Digital Cutsheet Printing

- Cut sheet paper fed through a digital printing press
- Can produce variable content and static printing at the same time
- High quality, small to medium size runs
- Presses can print one or two sides at at time
- Most prevalent type of digital printing press
- Toner based and inkjet based
- Size ranges between different digital press manufacturers
- Can be higher quality than conventional sheetfed in many cases

Digital Web Printing



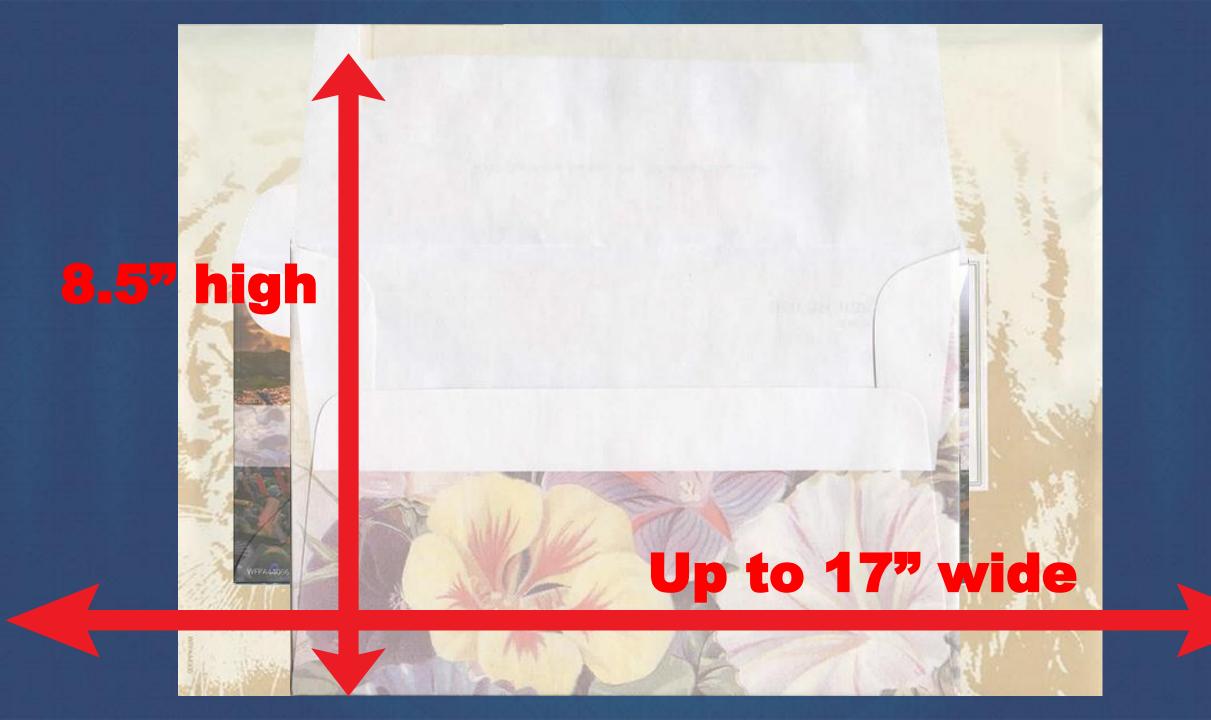
Digital Web Printing

- Can produce variable content and static printing at the same time
- Web or rolls of paper fed through a digital web printing press
- Good quality, medium to large size runs
- Presses print two sides at a time
- There are not many digital web press installations (very expensive)
- Inkjet based technology
- Size ranges between different digital press manufacturers
- Roll to roll and/or some inline finishing available

Digital Envelope Printing

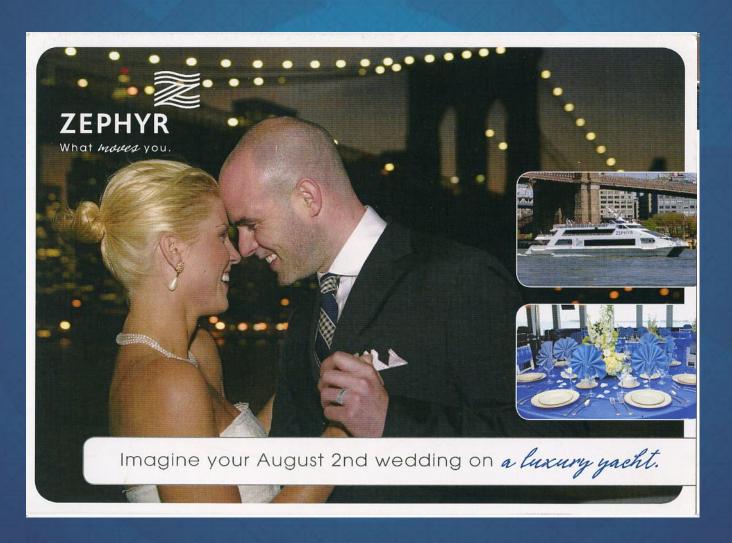
Digital Envelope Printing

- If stocked envelopes are available, much quicker than converting
- Can produce variable content and static printing at the same time
- Stocked envelopes are fed through a digital envelope printer
- Can bleed off of all edges for most envelope sizes
- Can print right over flaps and seams on envelope backside
- Inkjet based technology
- Decent quality, small to medium size runs



Relevant data can make a REAL impact

- Started with basic address block
- Wedding date



Relevant data can make a REAL impact

Started with basic address block

Dog breed and dog name

Utilized secondary co



Relevant data can make a REAL impact

- Started with basic address block
- Race stats data
- Utilized recipient content to elevate data impact



Simple text and images

Master Page

Variable Picture 1

At Home Town Bank we have plans that will help you plan for your future through a program of regular deposits. You set the pace. You set your future.

Only you can see your future

TextrEidole1

We Have **Savings Plans to Meet Your Needs**

Database

Given	MI	Family	Age	Mstatus	Gender	Address 1	Address 2	City	State	Cou
Brian	P	Groene	42	M	М	234 North	Apt. 23	Canton	CA	USA
David	P	Farquar	24	M	М	875 Nation	Bank Place	Norcross	NY	USA
Rachel	N	Nelson	56	W	F	78 Shore	Beach Frnt	Miami	LA	USA
Donald	Υ	Burns	35	M	М	667 Seventh	Tower Hill	NY	NY	USA

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Rule for Picture 1
If «Age» is >21,<34, then «Image 1»
If «Age» is >34,<53, then «Image 2»
If «Age» is >53,<64, then «Image 3»
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Rules

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Rule for Text Block 1
If «Age» is >21,<34, "It's never too early to start planning"
If «Age» is >34,<53, "Plan now for the things you want"
If «Age» is >53,<64, "Special savings for that Special Trip"
```







Final Output

things you want





Types of variable content printing

- Variable copy
- Variable graphics and versioning
- Variable photographs/images
- Variable content within photographs

Variable Copy

- Simple text changes from record to record
- Text can be within other graphics and/or photographs
- Font driven graphics such as postal barcodes, scanable barcodes and UPC codes
- Virtually no limit on the number of fields you can pull from





Variable photographs/images

- Ideal for large volume of unique images
- Personalized QR codes
- Virtually no limit on the number of images



Variable graphics and versioning

- Text, graphics and photographs can change from record to record
- Design can totally change between versions (same stock and size only)
- Data work and postal considerations

Virtually no limit to the numbers of layers





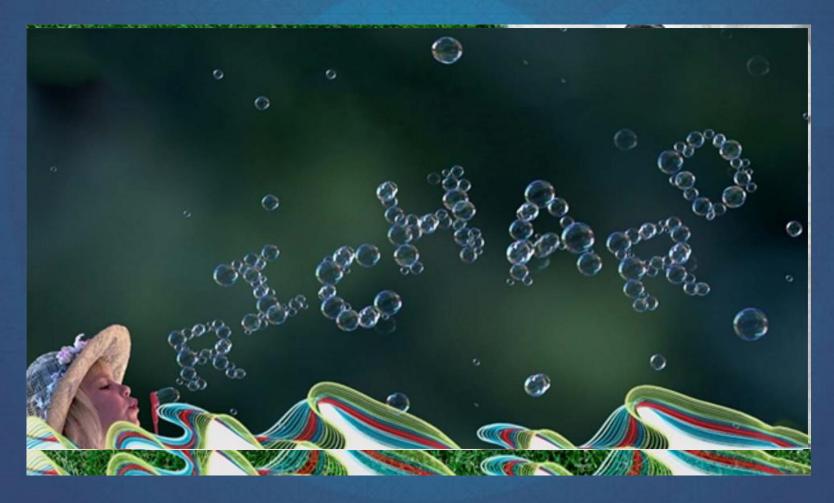






Variable content within photographs

- Allows for powerful visual differentiators
- Can use exiting fonts/graphics or create your own



Complex Digital Printing

Personalized Viewbook (part of a cross media campaign)

- Variable copy
- Variable versioning
- Variable photographs



Quality Oriented Digital Production Workflows

- High quality, variable copy, advance copies, quick turns
- Reverse quality issues because of minimal dot gain
- Reverse quality issues on very textured sheets
- No inli
- Color c and tab

Build Consumer Confidence With CARFAX



Get the most from your CARFAX partnership

y on running headers

Different variable content imaging workflows

- Offline Inkjetting
- Inline Inkjetting
- Cut sheet laser
- Fanfolded laser
- Roll to roll laser
- Digital printing presses
- Digital envelope printers
- Digital web presses

Factors to determine your project workflow

- Quantity
- Turnaround/mail date
- Size of piece to be imaged
- Size of area to be imaged
- Stock constraints and availability
- Down stream production considerations
- Color of variable content
- Multiple matches with read/read or read/write

Welcome to





Direct mail & print production

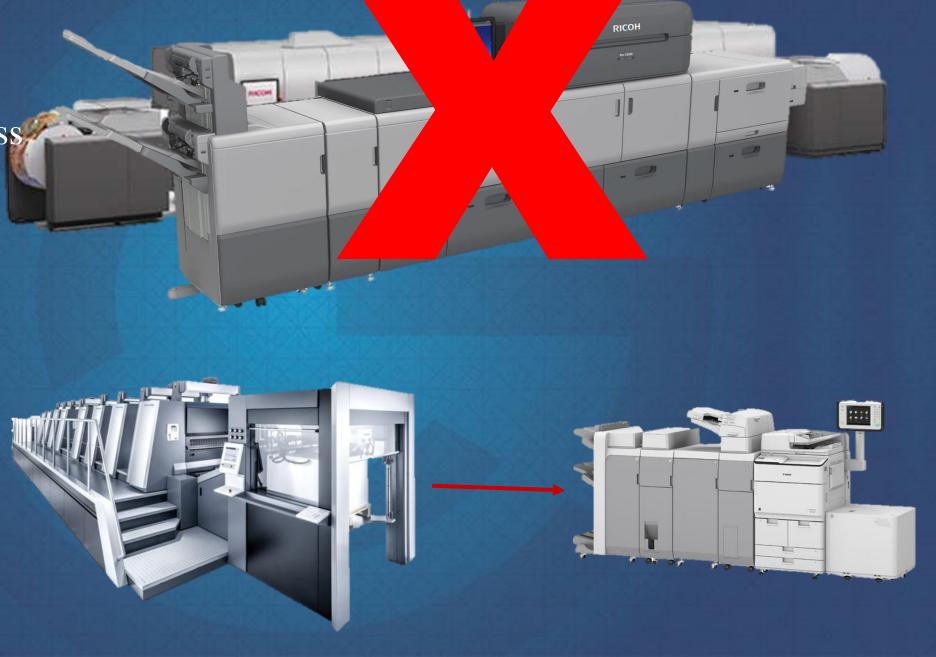


Plan B:

Print and Image
Digital Websheet press

Plan C:

Print sheetfed shells
Cut sheet laser



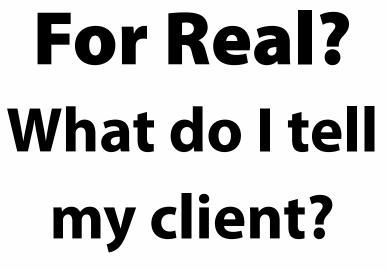




600,000 sheets ordered stock 7/20/ ck 8/9/22, 6% Stock 11/15/22, 5% Supposed to arrive mid to late Septement Tock 9/1/22, 7% Stock 12/6/22, 10% 35% of the order arrived 11/18/22 25% increase Stock 10/4/22, 7%

65% of the order arrived 12/13/22 35% increase

September



What can I do now?



What can you do about this?

- There's nothing you can do about the paper increases and the long lead times
- Ask for mill letters to justify the cost increases to your clients
- Must be proactive and plan way ahead; 6 months on your projects and commit to the paper purchase even though the price could be a moving target
- Be flexible with paper alternatives that can be secured, even if this means changing the job specifications (stock, size or intended workflow)
- If your printer can't get the stock you need, check around with multiple suppliers who may have inventory of what you're looking for even when the mills and merchants do not

Now, go be creative in how you'll handle 2022 challenges! Don't stress out with managing your next package

