#8



On-demand printing: Show me the money

by Howie Fenton
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NAPL is a not-for-profit trade association providing companies with the strategies, insights, and guidance to make informed business decisions, minimize risk, anticipate change, and profitably grow their business.

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If you get the chance – stop by the booth 862 and say hello!



Preview

This symbol



Defining the market

equipment, product categories, strategies

Market Drivers

faster, better cheaper, more color, X-Media

Where's the \$\$\$\$\$\$\$

adding value

How do I get to the \$\$\$\$\$

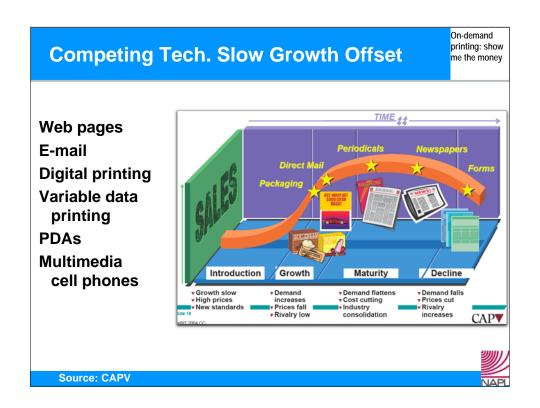
equipment, software, automation

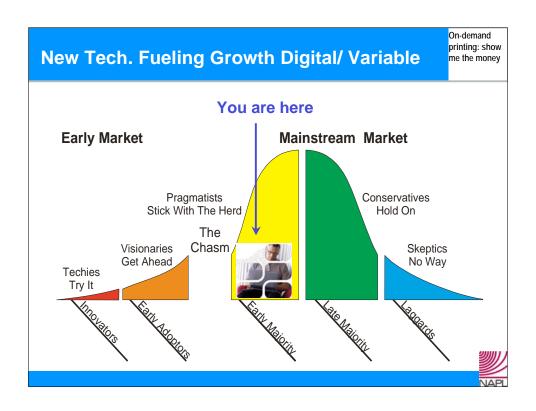
means newly added slide, which is not in your handout.

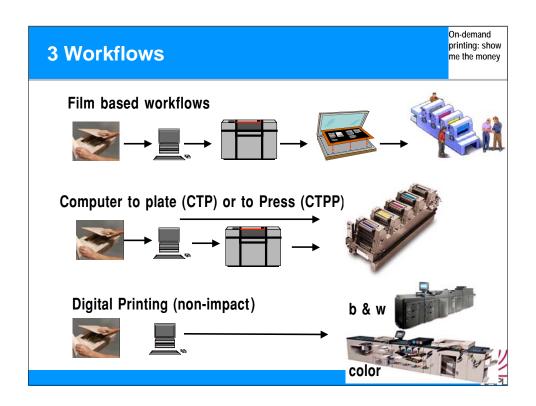
For an updated handout give me an email address - that will not block an attachment











Production Changes

On-demand printing: show me the money



Yesterday

Analog prepress

Make ready with film, processing chemistry, cameras, stripping

Printing

Longer runs to reduce the cost per page B/W toner

Finishing

in or near line

Narehousing Inventory risk due to obsolesce

Today

Digital Prepress

No film, digital cameras & scanners, monitor proofing, high speed networks, WWW

Printing

CTP and DI printing Automation: CIP3/4, JDF Digital color presses

Finishing

in or near line

Warehousing

On line ordering Less or no storage JIT manufacturing



Offset, Digital & Hybrid printing

Offset Litho. & static pages

Film based, CTP, CTPP Cheaper for longer runs but less targeted

Well established sales, CSR and production

Electrophotographic & Variable Pages

Less expensive make-ready, some have quality concerns Ink jet press (Versamark) & Ink jet heads (Scitex)

higher quality then inkjet heads, but fewer markets

Variable pages can target specific interests (increases responses), can integrate with web templates but harder to sell

Hybrid

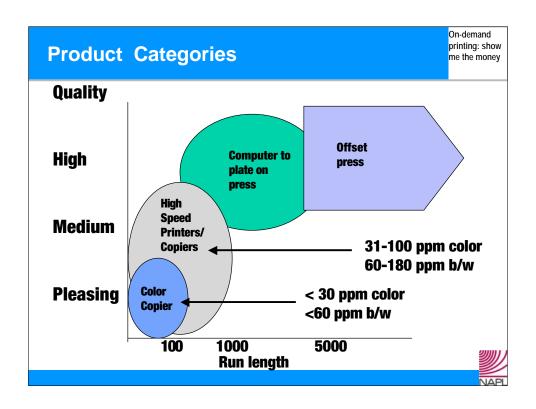
Ink jet heads - lower quality (200-300 dpi), used for text mostly Shells - 4c offset and overprint b/w for personalization Riso HC5000: 105 - 11x 17 ppm inkjet office / network printer, \$40K

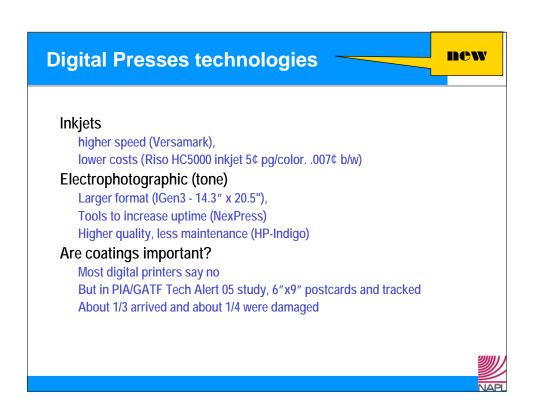
Lower quality then offset, but suitable for many app's Buyers Lab - recommended, BERTL Innovation Award

Inkjet 5¢ pg/color. .007¢ b/w

update

Riso HC5000





Digital Press Coating & Finishers

new

Color Quality

The major complaints about digital printing is that "it did not look as good" Part of that was color fidelity - part of that was gloss
The color is better then ever and now there are coating options

Kodak Nexpress 2100

5th unit, called Intelligent color, coating and glossing In line clear toner & Near line NexGlosser

IGen3

Epic Products inline CTi-635 coating system overall & spot UV coating, options for gloss or matte finish

HP - Indiag

working with Dorn SPE off-line UV coater to seal the sheet Gloss, matte, satin and other finishes are offered

Xeikon's web-fed model 5000

clear toner & new Print Protector (inline flood coater)



Inline or Near line finishing

new

Another issue with digital presses are finishing options

Few have few inline options & the costs are high

New options

C. P. Bourg BB3002 near-line perfect binder Duplo

DC-645 Slitter/Cutter/Creaser

Duplo System 5000

Square-Back bookletmaking solution (tech demo)

Morgana Systems DigiFold (creasing),

Standard Horizon ColorWorks 8000 (Docucolor 8000)

Muller Martini Sigma concept

SigmaBinder, SigmaTower, and SigmaTrimmer

MBO Digi-Finisher (bookletmaking)



Static vs. Variable



Static pages

Every page the same (offset printing)

Variable

Every page unique documents 2 types

Transactional documents (in-plant)

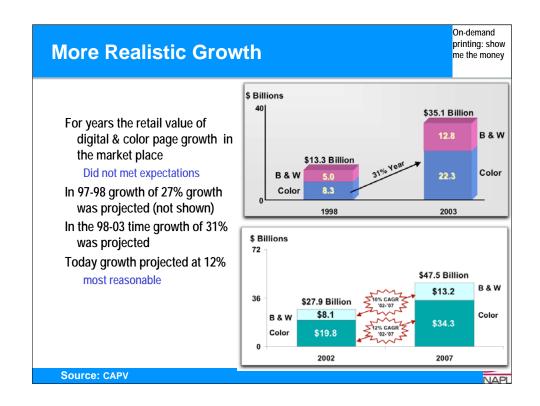
banking, financial services, securities health care, pharmaceuticals, insurance

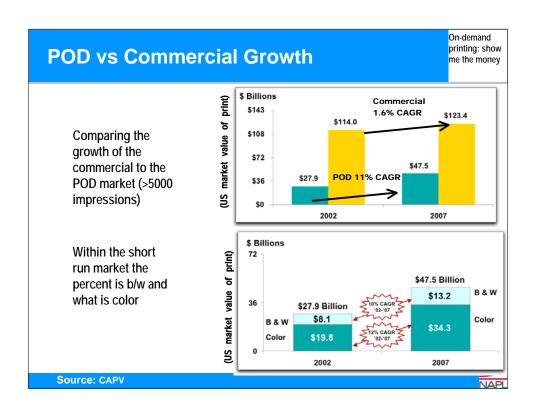
Sales & marketing products (commercial)

direct mail, retail, wholesale, travel/leisure "Congratulations, you have one \$1 million!"

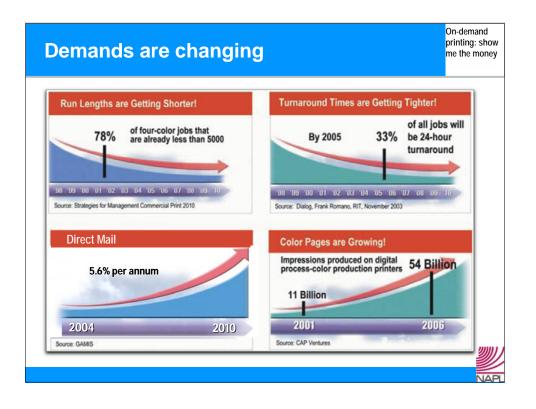










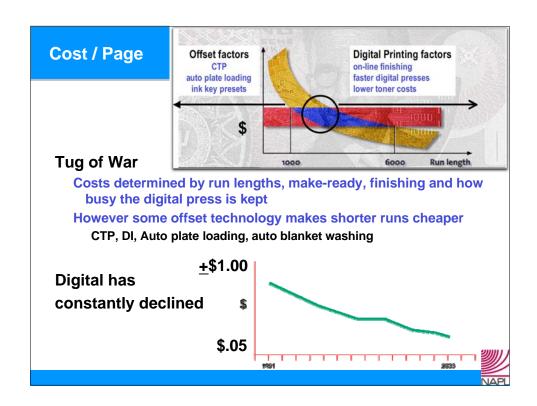


Faster, Cheaper, Shorter

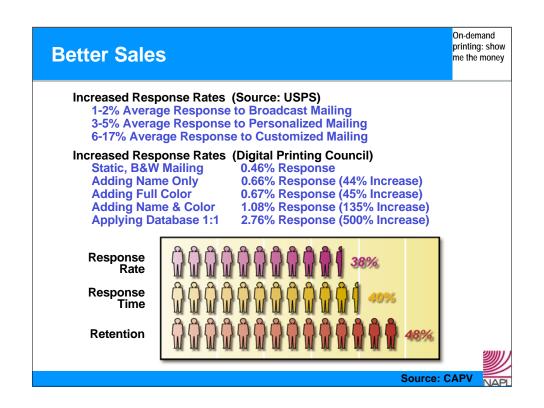
On-demand printing: show me the money

- Turn times continue to shrink (59%) ...
 - as clients move to just-in- time ordering—to minimizing inventory. Who can afford bottlenecks—anywhere—with turn times shrinking?
- Price competition is intensifying (56%) ...
 - despite recovery and consolidation as traditional roles and boundaries break down, getting everyone into everyone else's business.
- Run lengths continue to shrink (48%) ...
 - as clients target their markets more precisely. Who can afford excessive make-ready, waste, and inefficiency with run lengths shrinking?

Source: 2004 - 2005 NAPL State of the Industry







Mass Media > Narrowcasting

THE VANISHING MASS MARKET New technology. Product predifficial, Get ready: It's a whelian growth of the control of the contro

In the 60's, ad could reach 80% USA

Today, would need 100 TV channels

TV suffering

TV viewing dropping, internet increasing

Commercials have less impact - VCRs & Tivo skip commercials From 50's - 70's, the audience grew in sync with the prices No more in 2002, the networks' average CPM (cost per thousand viewers) soared from \$1.96 in 1972 to \$16.79 in prime time *

And growing diversity of population

Media buyers are shifting away from Mass Media

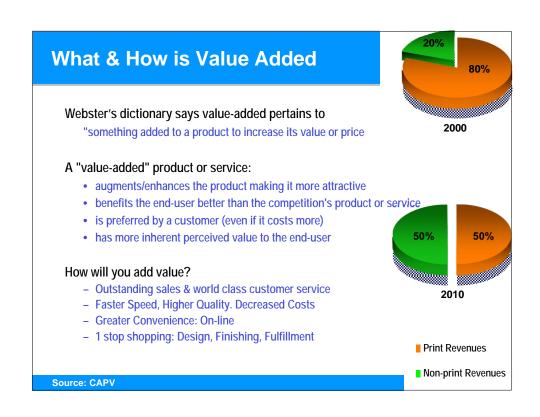
Cross media & multiple sales channels (net, stores, direct)

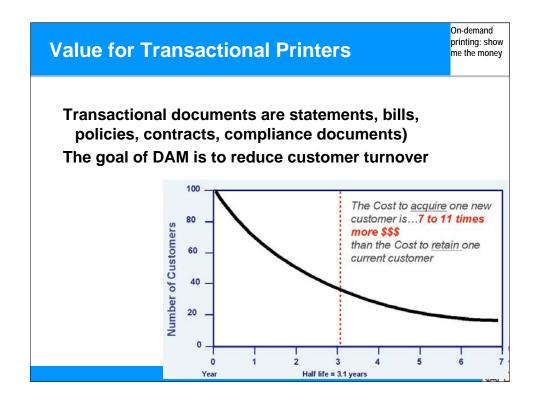
TV Bureau of Advertising

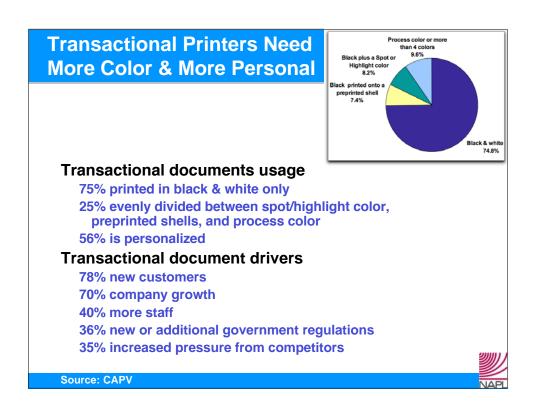


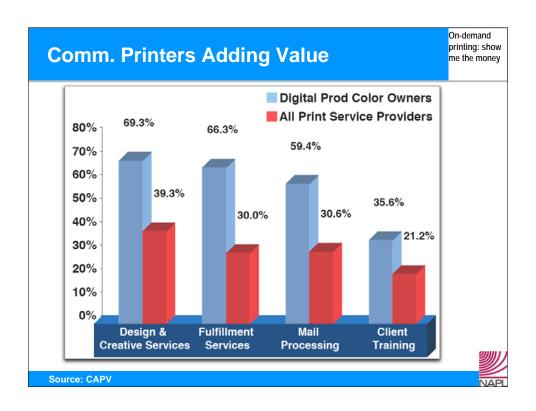
For every \$1 spent on print... For every \$1 spent on print... Another \$6 is spent on content and fulfillment! Up to 15% of a company's overall revenue is spent on Content Value Added is a \$1 Trillion Market

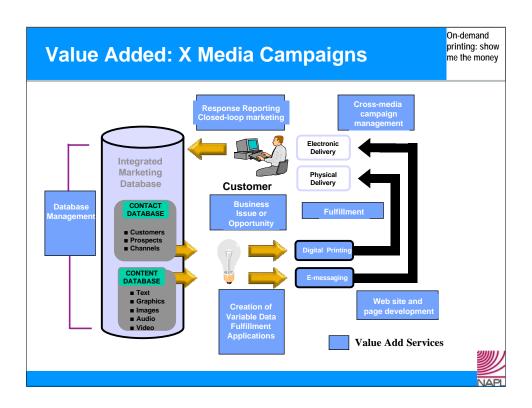


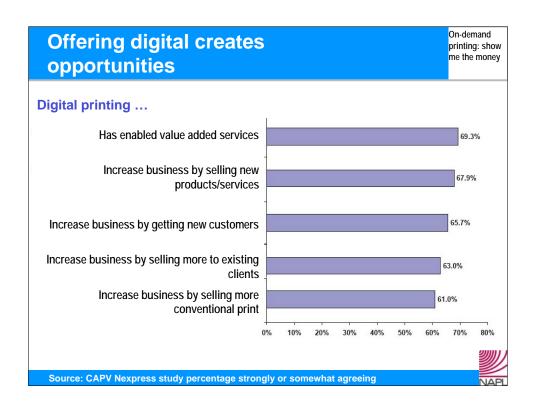














Swamped in Advertising

On-demand printing: show me the money

- Relevance: you talking to me?
- Synergy: target market via multiple media options is a force multiplier
- Efficiency: bang for bucks





Targeting

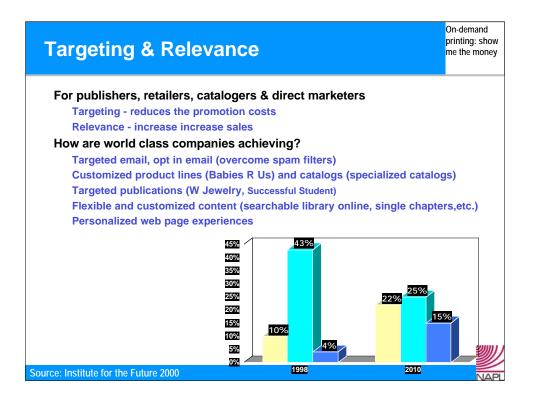


\$30K - static offer 100K pieces in the mail (30¢/ea = 10¢/ea + .20¢/ea mail)

2% response yields 2k leads

\$30K - variable offer 60K pieces at 50¢/ea (30¢/ea + 20¢ mail) 10% return yields 6k leads





Personalization, Relevance, Targeting & Convenience

On-demand printing: show me the money

Static message

At Avis we try harder

Personalization is good

"John, at Avis we try harder for you."

Relevance & Targeting is the better

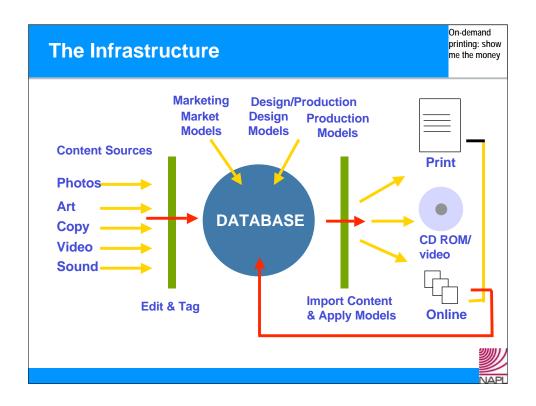
"John, as a buyer for Acme Construction you spend an average of \$1.3 million per year on rental car expenses.

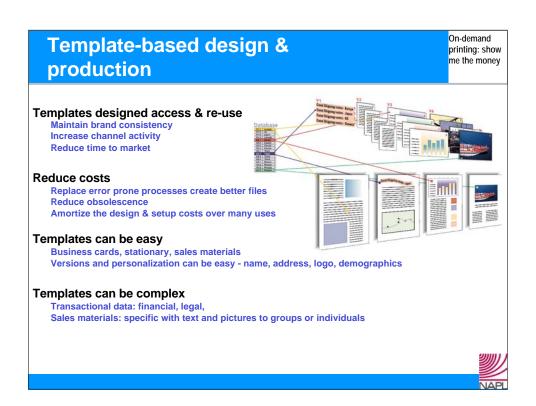
Relevance, Targeting & Convenience is the best

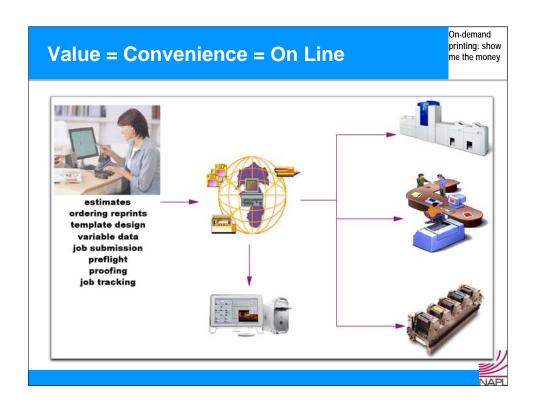
"John, we have set up a call center and web site for your staff. In less than 3 minutes, your staff can make reservations and save 20% annually.



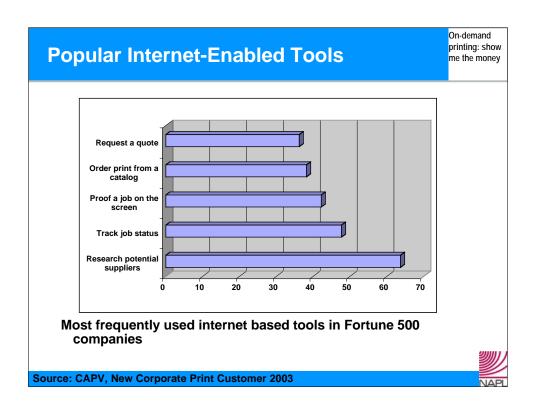
Source: Podi.org













Web Based Print Services Benefits Decrease costly "hands on" steps (writing estimates, job jackets, etc) Automate production (On-line estimates, PDF proofs, job queue) Features - Basic Web storefront- accept jobs Capable of supporting output devices from many manufacturers Maintain printing companies web site look and feel of branding

Support standards (XML, PDF, JDF, PPML, WfMC) Features - Advanced

End 2 End solution (buyer interface, printer interface, print manager)

Facilitate reordering (I.e. letters, envelopes, forms, etc)

Prompt users for print specifications

Server applications that can read the data and take appropriate action to route the digital files to the appropriate production server queues

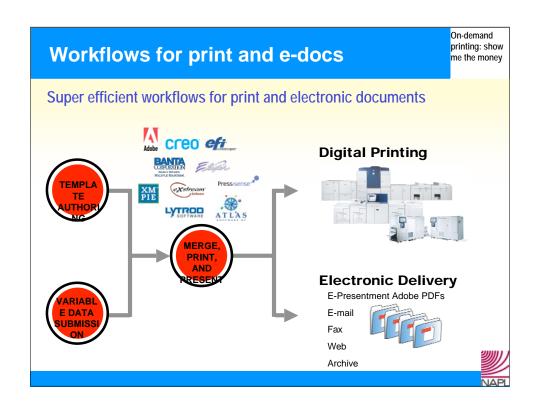
Enables jobs to be received, electronically proofed, approved, scheduled produced and shipped

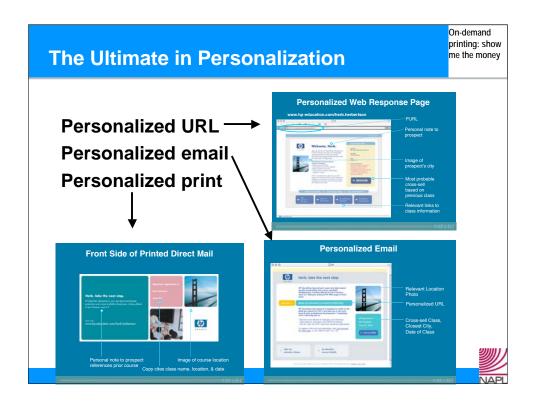
Template based production - maintain the look and feel of branding for stationary and marketing pieces

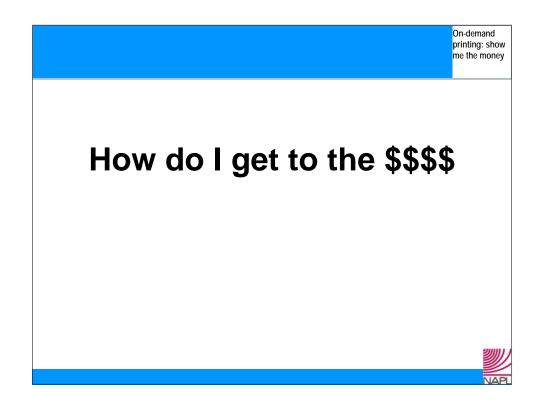


On-demand printing: show

me the money







Create a Value Added Strategy

On-demand printing: show me the money

Faster turnaround

Can you get 1-2 days off your turn-around times

Higher quality

Higher line screenings, Hi-Fi color, FM or XM screening

One stop shopping

Creative, complex finishing, mailing, warehousing

On line services

Estimates, orders, status, preflight, proofs, templates

Variable data services

Customized, personalized, DB production

X-Media

Can you combine web, email, digital & offset print



Roadmap for strategy



Faster turnaround

Online software

CTP

Remote proofs

Digital Press

1 stop shopping

Design services

Finishing services

Mailing services

Higher quality

Quality Audit

Process control

CMS

X-Media

DB infrastructure

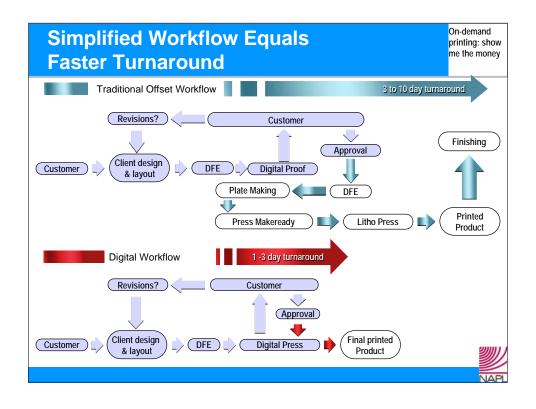
Online software

Variable software

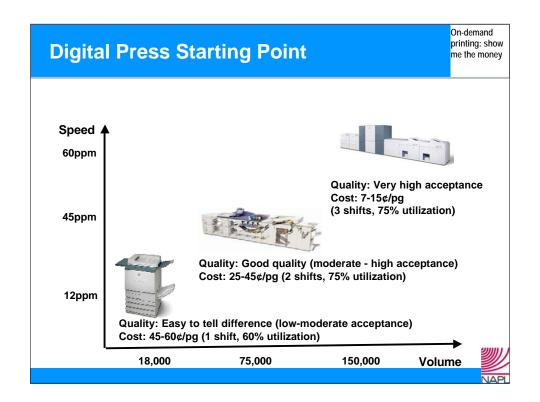
Digital Press

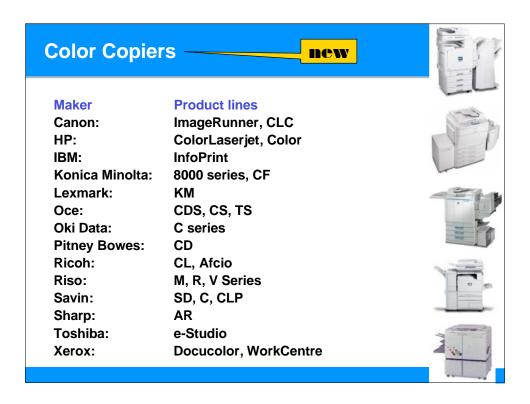






Faster, 1-stop shopping, variable, prin		emand ing: show ne money
Small Companies Less then \$1 million commercial printers Advertising Agencies \$5M or less In-plants/CRD's for companies < \$5 M sales	30 ppm black and white 6-12 ppm color device	
Mid - Size \$1 - \$10 M commercial printers Advertising Agencies \$5 - \$50M In-plants/CRD's for companies \$5 -20 M sales	45 - 90 ppm black and white 45 - 60 ppm color device	
Large \$10 M + commercial printer Advertising Agencies \$5-\$50M In-plants/CRD's for companies \$20 M + sales	(2) 90+ ppm b/w device or 1 - 150+ ppm (2) 45 - 60 ppm color devices or 1 - 100 ppm	







Small step - Variable w/ Offset

Hybrid: Offset shells & laser printer

Print black and white - offset Run through a high speed black and white printer

Versioning

different products, different groups

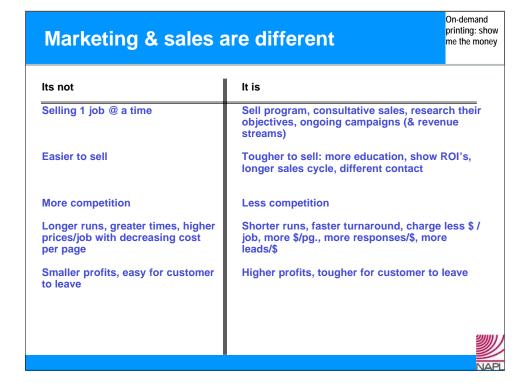
Offset - change the black plate

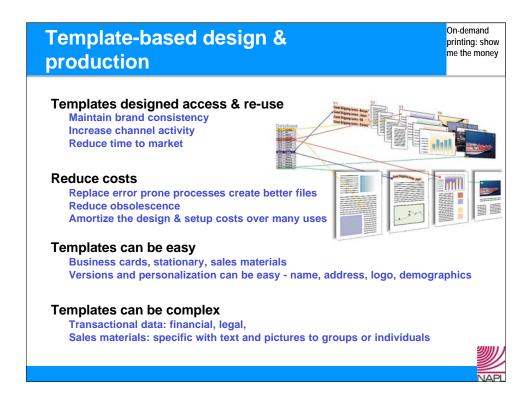
Selectric Binding - different sections

Simple Inkjet Personalization

"Congratulations Howie you've won"







Thanks

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Sources of info

My newsletter

Digital Technology Trends Emailed upon request

How do you get it?

Give me your card & write

Newsletter on back

Other Sources:

www.napl.org/randecouncil.aspx

R&E Council and Digital Smart Factory

www.podi.org

www.gain.net

www.ipa.org

www.HowieFenton.com

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