

# Digital Direct Drives

Presented by:

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**Pressroom Technology Conference**

**March 6 – 8, 2007      Augusta, Georgia**

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# Digital Direct Drives

## JLS Automation JLS

- Shaftless Systems since 1995
- Drives & Controls Integration
- Hard & Soft Products for Printing

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# Digital Direct Drives

## JLS Automation

***Printing Press Technologies:***  
**Web Offset, Inline Flexo, CI Flexo,  
Gravure – Flexible Packaging,  
Label Presses,  
Corrugated Box Printing, & Intaglio**

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## **JLS** *Gravure Experience*

- Retrofits in North America/Europe
- New Presses in Brazil, US, Korea
  - Various Register Systems
  - Hazardous Installations

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## *Enabling Technologies:*

- High Speed Digital Networks
- High Resolution Feedback Devices
- Higher Bandwidth Drives
- Software Tools

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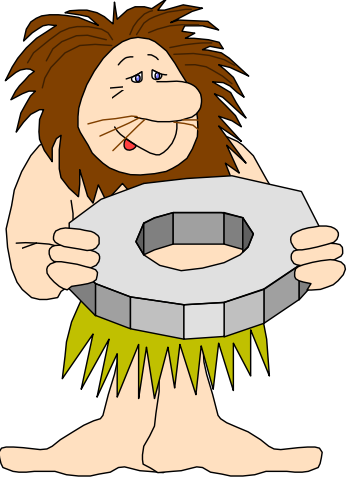
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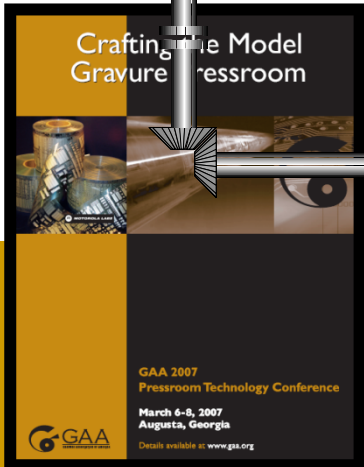
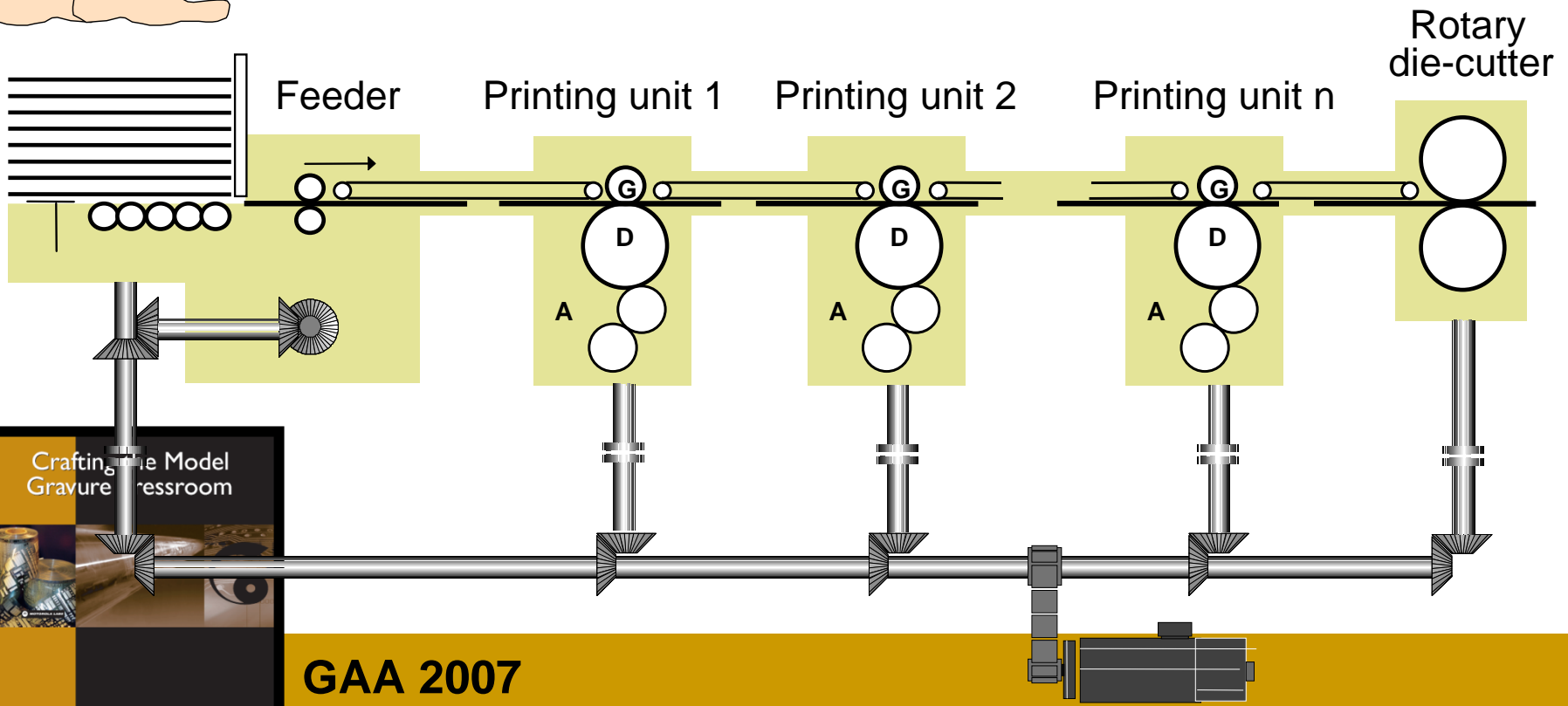
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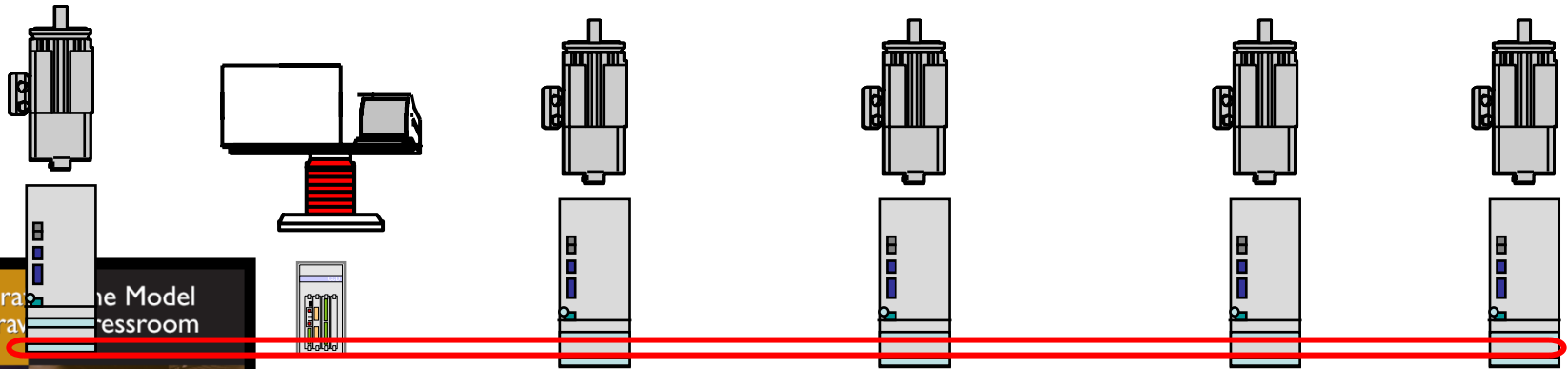
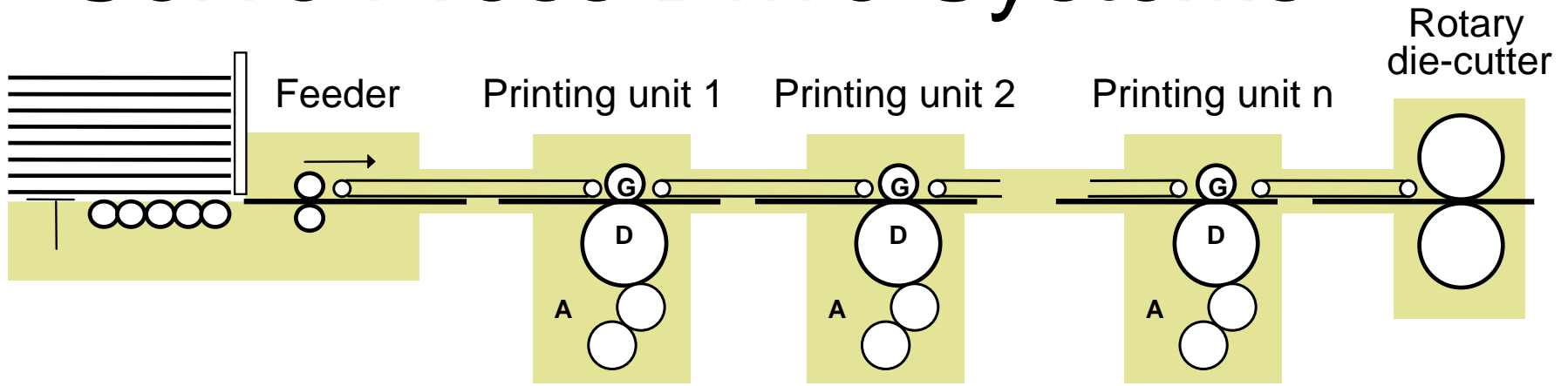


# Traditional Printing Drive Systems



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# Servo Press Drive Systems



**Motion**  
**Controller**

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Crane Model  
Gravure Pressroom

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# Digital Direct Drives

*Why Direct Drives?*

Better Accuracy

Cheaper

Faster

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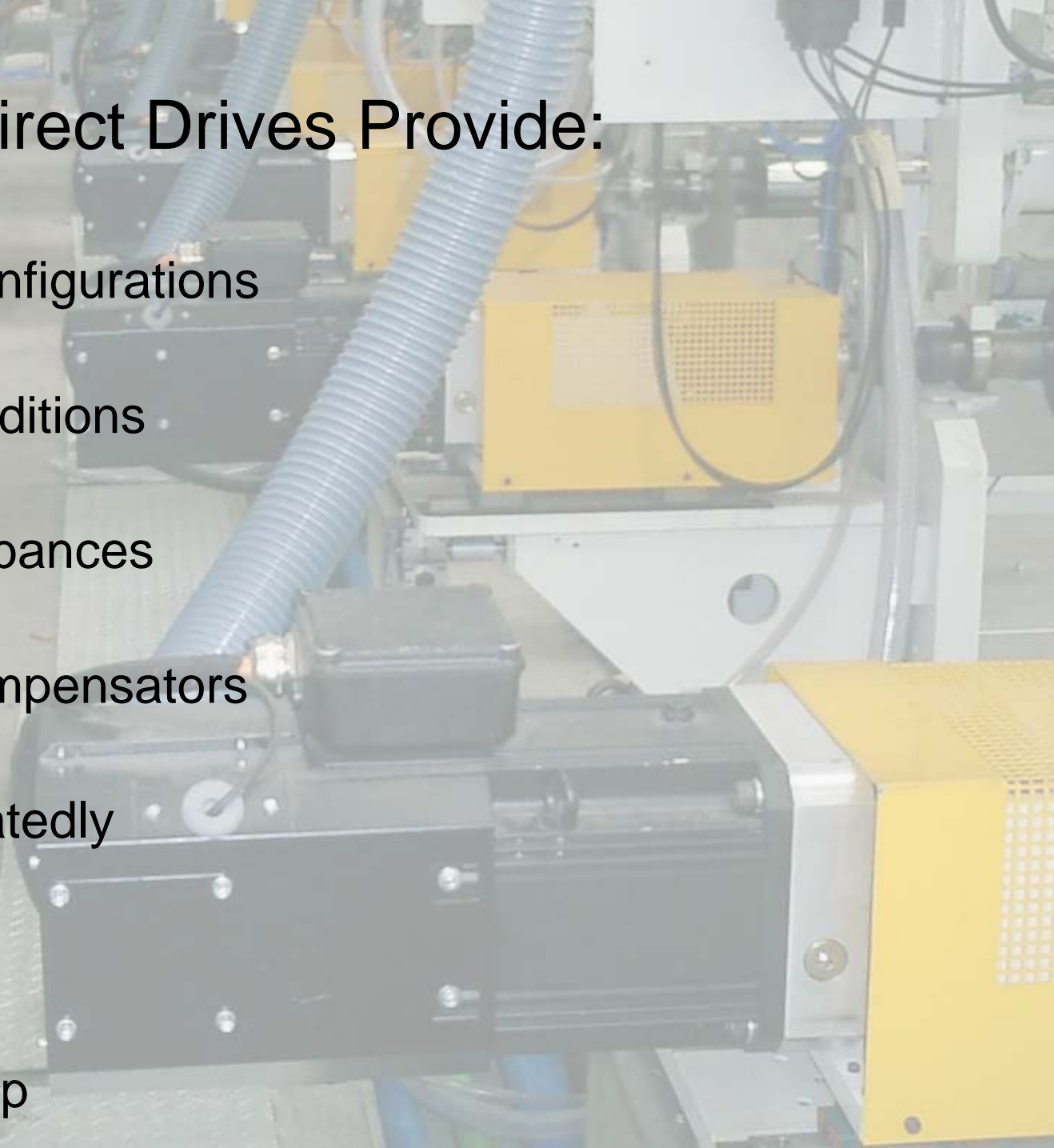
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# Digital Direct Drives Provide:

- Flexible Press Configurations
- Simplified Unit Additions
- Isolation of Disturbances
- Elimination of Compensators
- Long Term Repeatedly
- Automatic Set Up
- Reduction of Scrap



# Digital Direct Drives

## *Why NOT Direct Drives?*

- Risk of a retrofit/Cost of New Machine
  - Support Infrastructure
  - Electronic Obsolescence

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*Technology Providers with ELS*



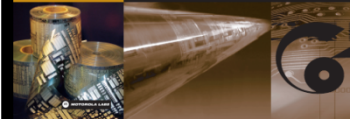
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# JLS

*your competitive edge*

Thank You!

Crafting the Model  
Gravure Pressroom



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