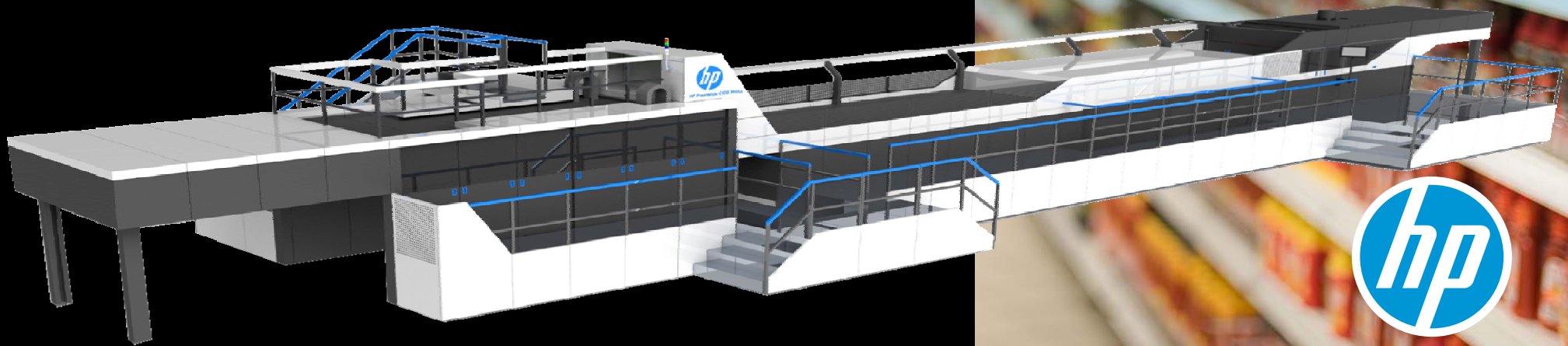


# The HP PageWide C500 Press

Stephen Shannon

September, 2018

## TIME TO MOVE TO DIGITAL



# COMPLETE PORTFOLIO FOR CORRUGATED OPERATIONS

## FROM HIGH VALUE LARGE FORMAT APPLICATIONS TO DIGITAL MAINSTREAM PRODUCTION

### Short run displays



HP Scitex 17000  
Corrugated Press



HP Scitex 15500  
Corrugated Press

### Post-print



HP PageWide C500 Press  
T1100S Press

### Lamination



HP PageWide  
T400S Press

### Pre-print



HP PageWide

Single pass

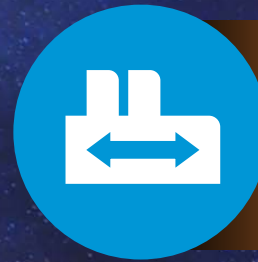
Continuous Inkjet productivity –  
incorporating HP PageWide Technology



# HP PAGEWIDE C500 PRESS

GROW YOUR BUSINESS WITH HP'S DIGITAL POST-PRINT SOLUTION  
DELIVERING OFFSET QUALITY FOR MAINSTREAM PRODUCTION

Post-print simplicity with  
offset print quality



Digital flexibility for  
mainstream production

Wide range of applications  
including food packaging,  
supported by Water Based inks



A trusted partner to grow  
your business with



# WIDE RANGE OF PACKAGING APPLICATIONS

FROM BASIC BOXES TO PREMIUM – ON COATED & UNCOATED STOCK

Basic

High Graphics

Higher value, higher growth



# HP WATER BASED INK TECHNOLOGY

## EXTENSIVE FOOD SAFE APPLICATIONS RANGE FOR SEAMLESS CONVERSION

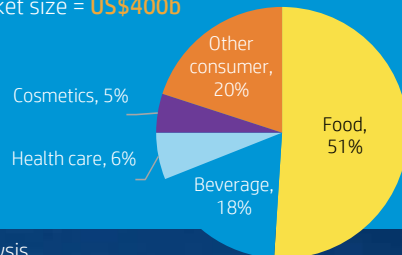


### Food safety is fundamental

>50% corrugated packaging is food related

Consumers expect food safety

Global packaging, by end market – 2012  
Total market size = **US\$400b**



Source: EY analysis



### True water based ink for extensive applications range

Meet stringent demands as Nestle guidance, Swiss Ordinance and other leading industry standards

intertek

sqts  
swiss quality testing services



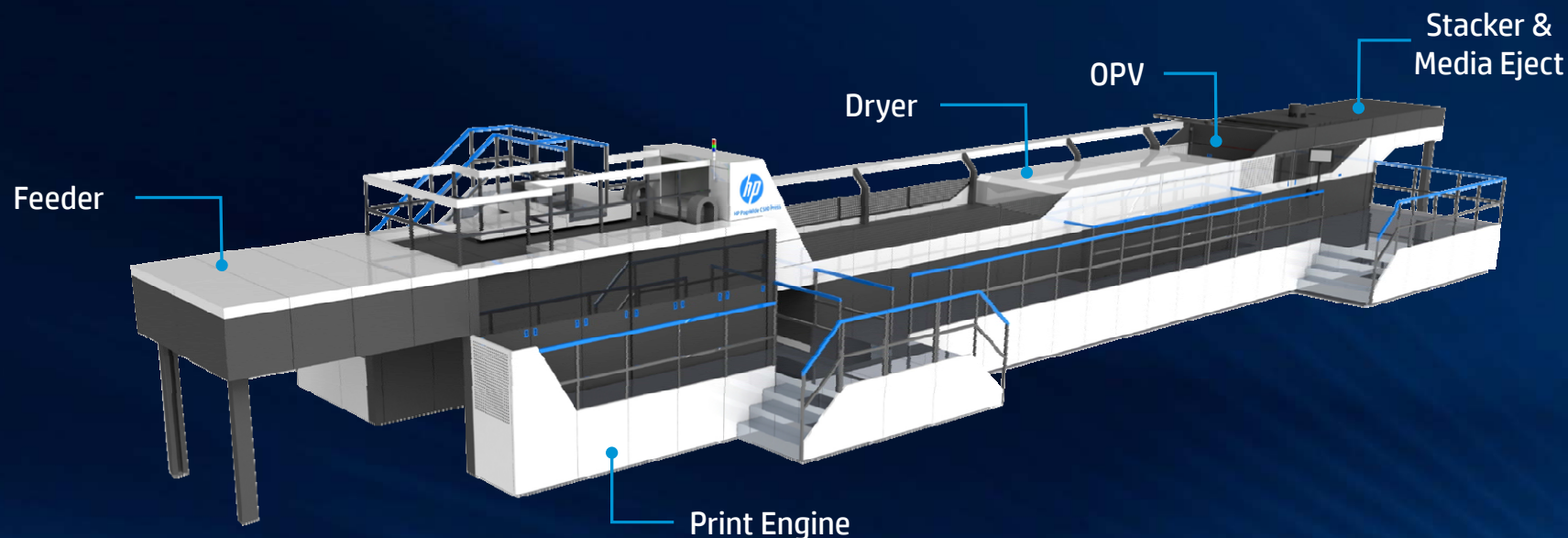
### Field proven

HP customers selected the HP PageWide Water Based Ink technology for meeting food safety regulations that are so critical for their business





# HP PAGEWIDE C500 PRESS



<b>Linear speed</b>	Up to 75lm/min (246ft/min)
<b>Board types</b>	F-flute to BC-flute, coated & uncoated media
<b>Board size – max</b>	1.32 x 2.5m (51.9" x 98.4") [W x L]
<b>Ink</b>	HP CV150 Water Based CMYK Ink

\* Upgradability for uncoated only

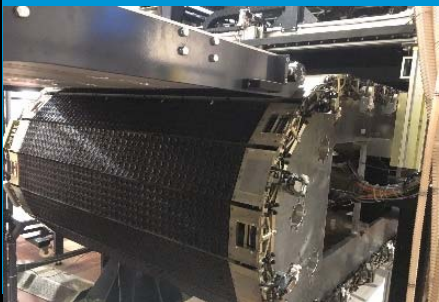
<b>OPV</b>	Included in-line for coated media
<b>Footprint</b>	36 x 8 x 4.8m (118 x 26 x 16ft) [L x W x H]
<b>Environmental conditions</b>	Enclosure included; Press operation conditions: 15-40°C, 20-80% RH (non-condensing)



# TECHNOLOGY MAKES A DIFFERENCE

## Virtual Belt

Accurate media motion for high quality digital print



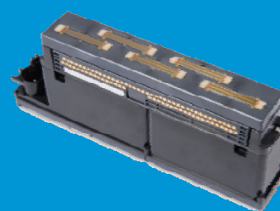
## Corrugated Grip

Robust hold of industry grade boards for smooth production flow



## Thermal Inkjet

~1M nozzles with x6 redundancy for high and consistent print quality



## Water Based Inks

Food packaging compliant\*

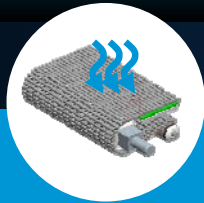


\* designed for printing on the non-food contact surface of paperboard packaging and intended to comply with **relevant** global food safety regulations and industry guidelines



# THE CHALLENGE

VACUUM INDUCED FRICTION  
RESULTS IN INACCURACIES



The 'Virtual Belt'  
Accurate dot placement **over time**

Increases ink  
efficiency



Sharp results even for  
small barcodes



HP solution

TOUGH CORRUGATED  
BOARDS



'Corrugated Grip' – Strong hold-down  
of industrial grade boards

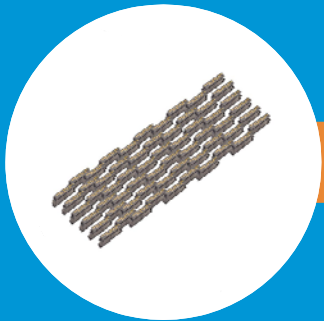




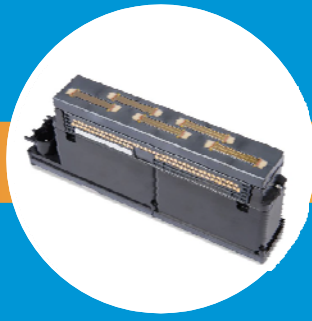
# THE ENGINE BEHIND THE HP PAGEWIDE ARRAY PRODUCT FAMILY

OVER ONE MILLION NOZZLES – ONLY WITH THERMAL INKJET

## HP Thermal InkJet technology



Scalable technology to fit any print width and any number of colors



10,560 nozzles at 1200 npi native resolution



HP scale of 100's of millions in volumes

Deployed in proven industrial grade products

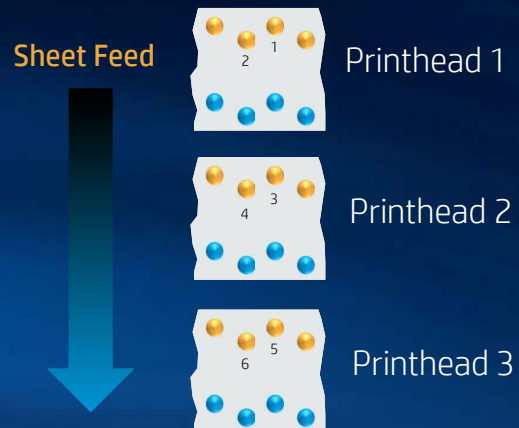
6 pL drops at 1200 npi native resolution

High Flux

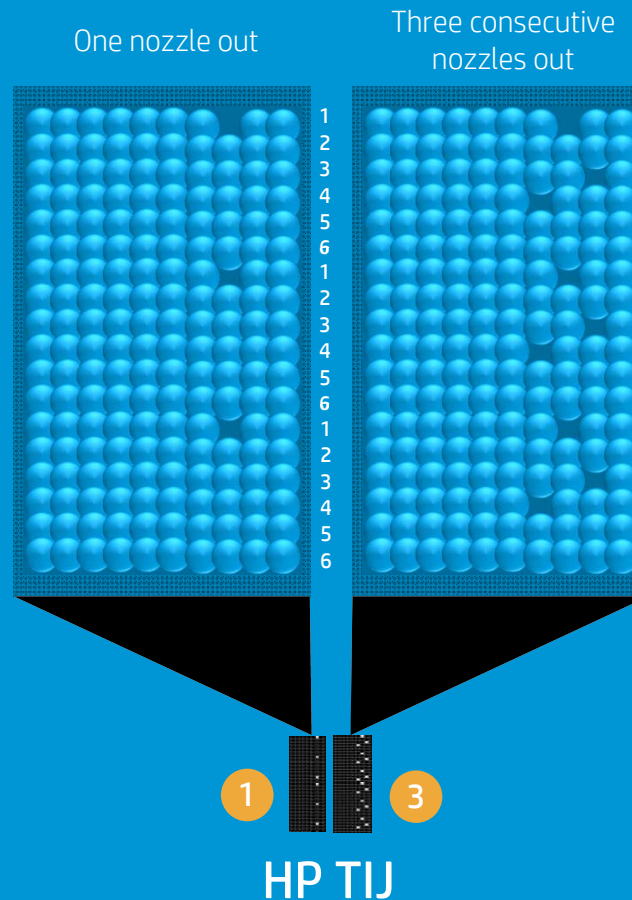


# HP TIJ VS PIJ/CIJ COMPARISON

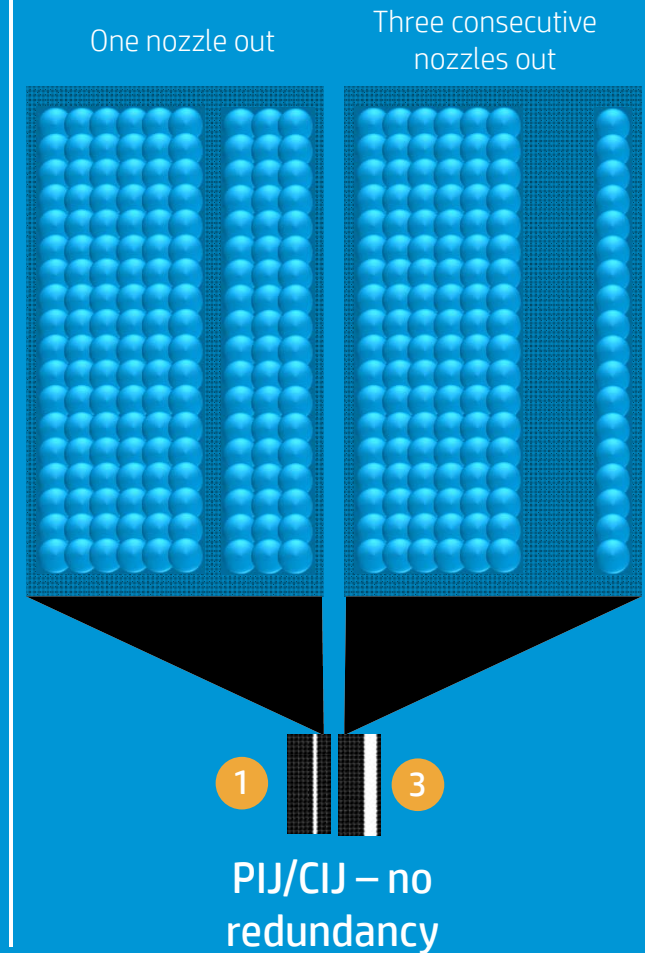
HP Nozzle redundancy  
creates IQ that is robust  
to intermittent nozzle  
health issues



## HP TIJ x6 redundancy



## PIJ/CIJ with no redundancy



# WHY HP?

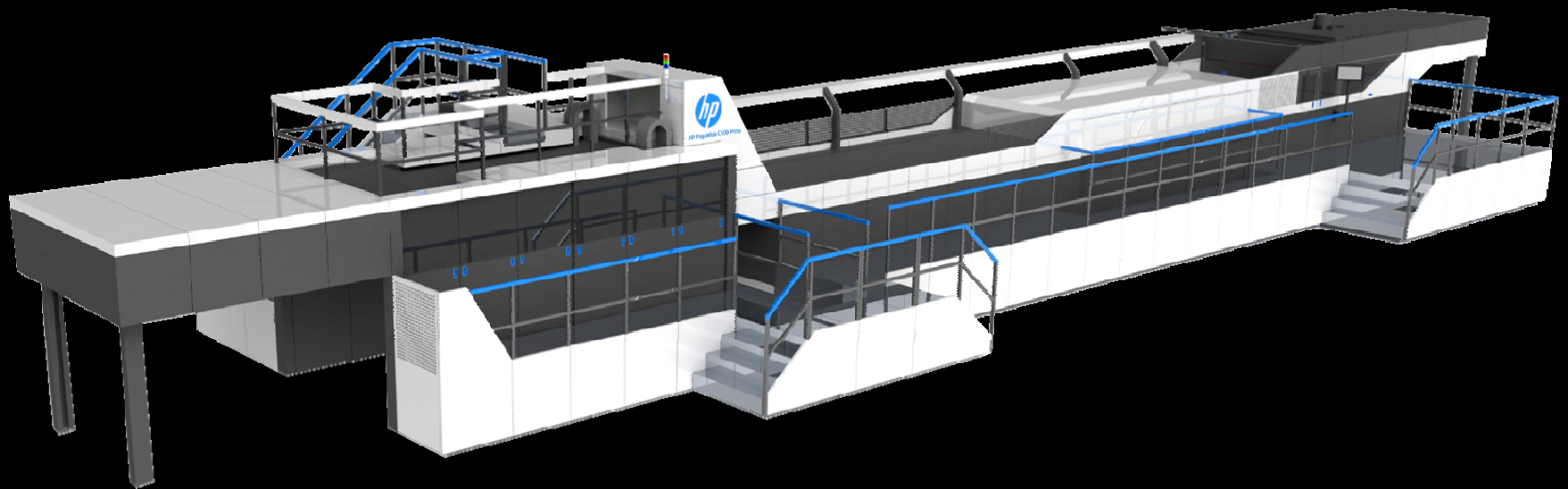
Proven  
experience in  
transforming  
industries

Largest portfolio of  
solutions with partners  
to transform your  
industry

Proven  
technology and  
path forward



# THANK YOU



EXCITED?





SO ARE WE!





keep reinventing