

## Identifying the future of offset printing



Short look back  
and a  
long look forward!



- The early 2000's were a decade of growth!



- A major change took place from 2008



- Sharp reduction in business and an increase in failing companies.



- Offset is a mature technology.
- Wide variety of substrates.
- New technologies compliment offset



- High volume continuous ink jet and Nano technology still in its infancy!
- Compliment rather than replace.



- No web offset competitor other than the market.
- Reducing run lengths.





- Improvements in engineered technology.
- R&D a necessity but costly.
- Development of new applications and processes.



- History of improvement in press room efficiency.
- Innovation never stops.

**KOMORI**

Kando: Beyond Expectations

- What development has benefited offset in recent times?
- Introduction of a new low energy curing application!



# Komori

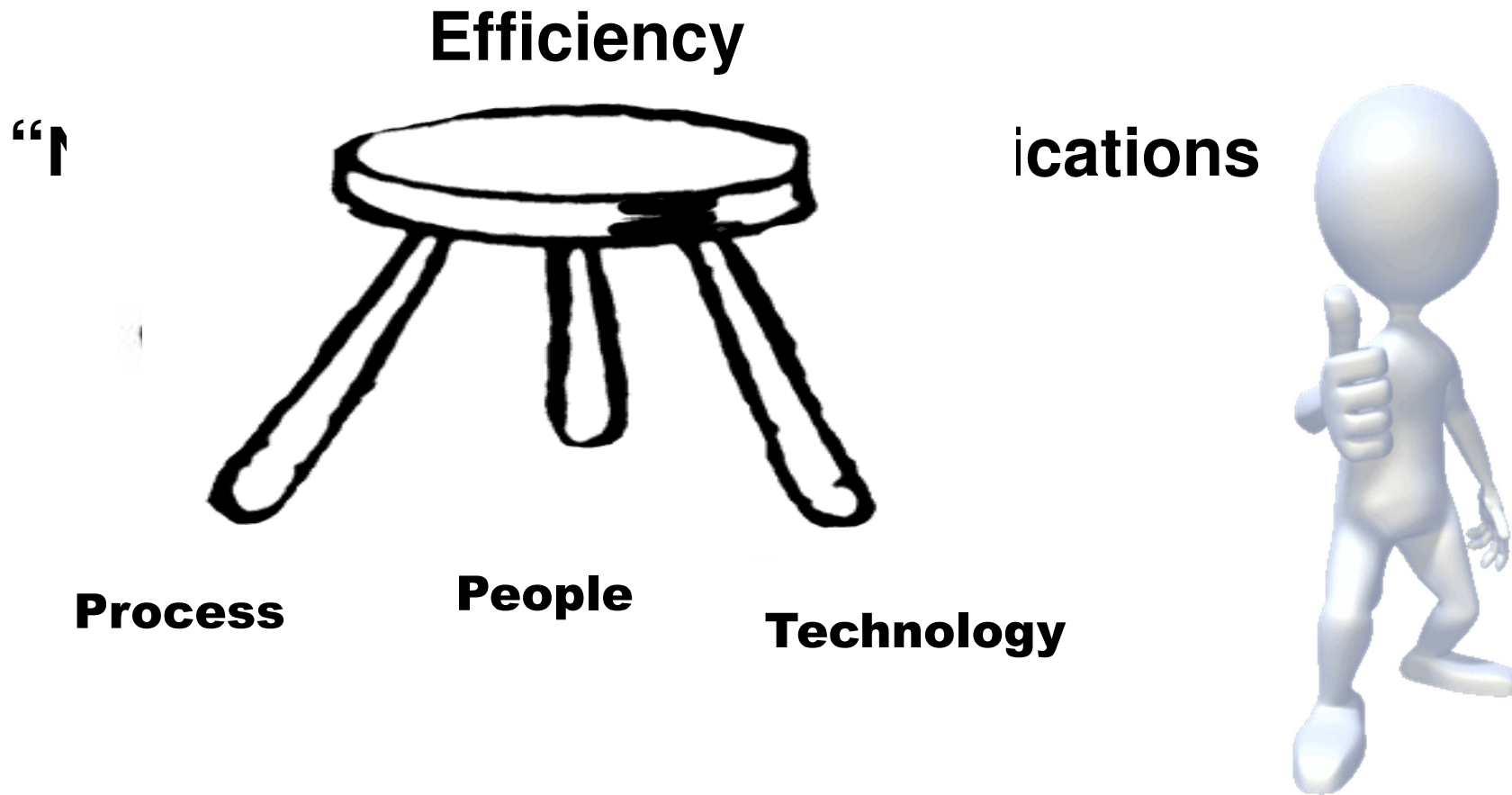
## H-UV



- Evaluated other low energy applications.
- A good recipe gives positive results.
- Improvement of the printing process.
- Solid platform for return on investment.
- Improvement in press room efficiency.

**Bringing in those ideas!**



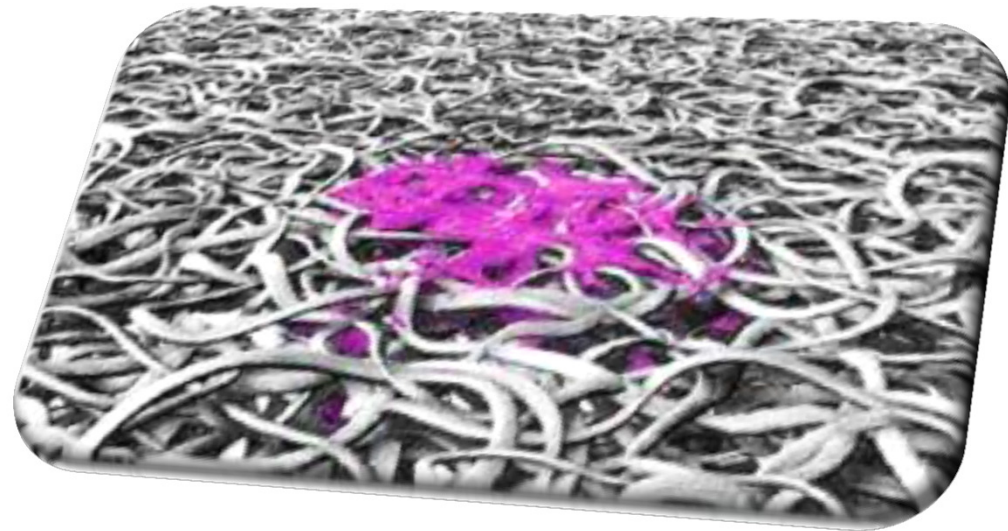


## What is HUV ?

- H-UV is a combination of NEW Technology and utilizing tested and selected products.
- Developed by KOMORI and only available from KOMORI
- H-UV is Unique!

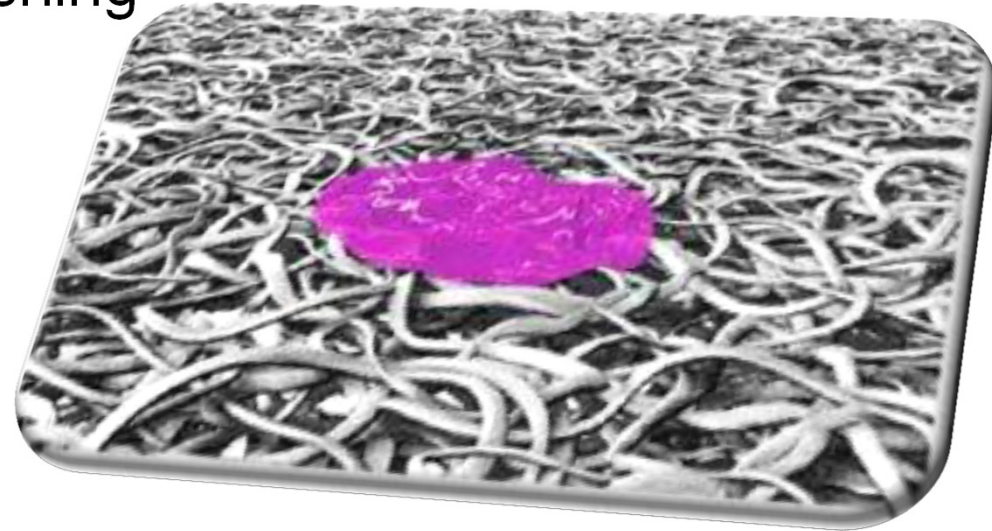


- The ink emulsion absorbs into substrate.
- Difficult to print on absorbent materials.
- Requires a combination of methods to speed up manufacturing.
- Spray powder required or
- Water based varnish, IR/Hot air.
- Standing time





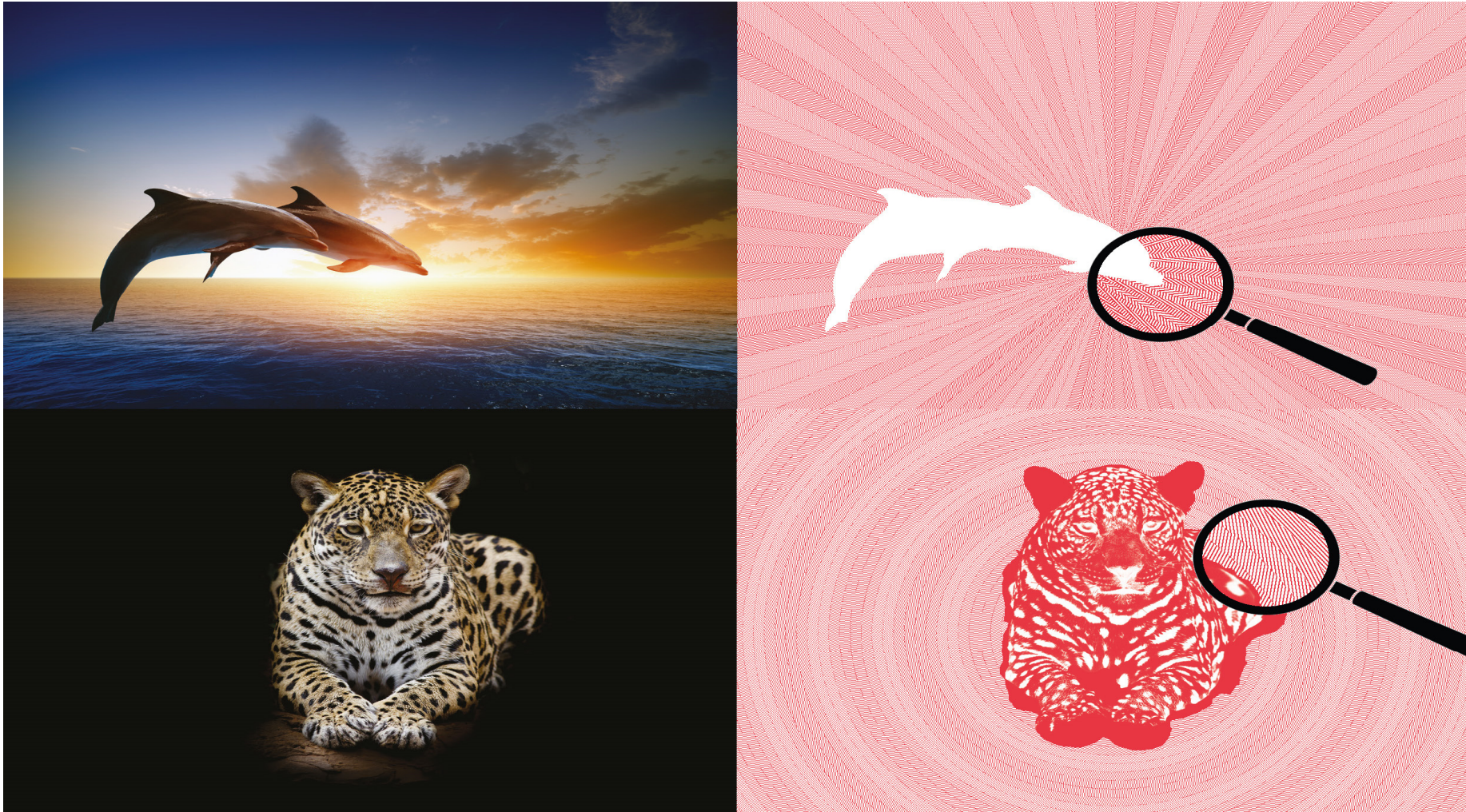
- The ink dries on the surface.
- Very little absorbency
- Higher gloss levels on low grade papers.
- No 'dry back' therefore uses less ink.
- Allows immediate reverse printing.
- Allows immediate finishing



- A real alternative to conventional printing.
- An application that increases your **product quality**, **productivity** and **truly benefits your business**.



- Creating “drip off “ in ONE pass with ONE H-UV lamp.



- More control of the process.
- Lower rejection rate.
- Less paper marking.
- Feel the paper!



- Low Heat generation.
- Ozone free production.
- Environmentally friendly.
- Carton board printing possible.
- Plastic printing possible!

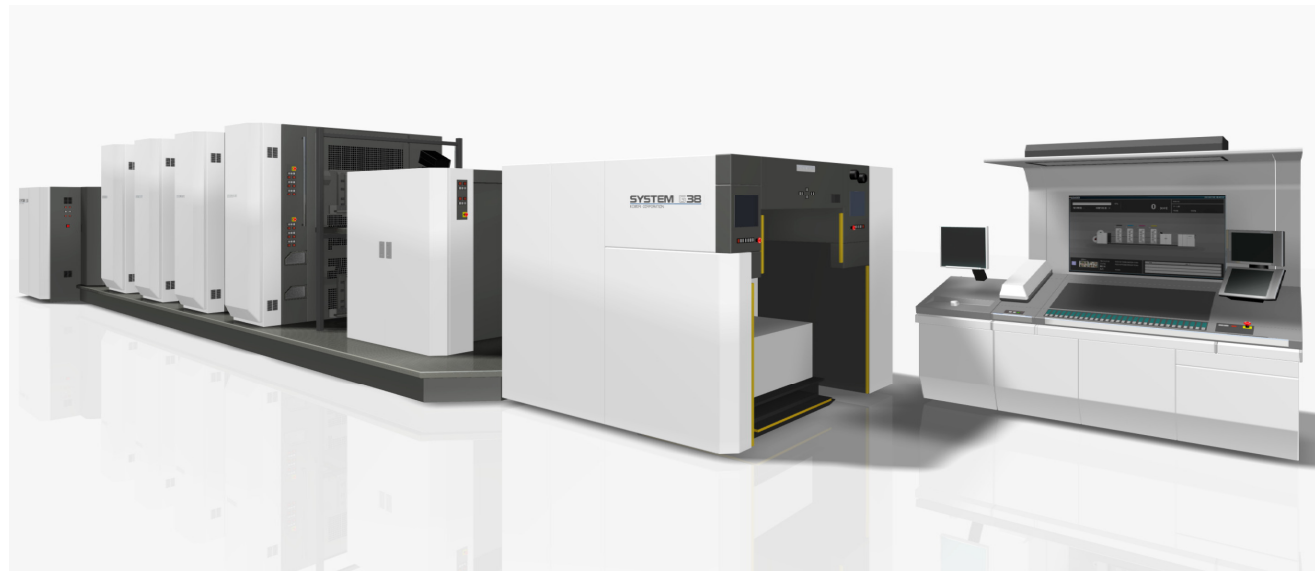
“A system which can cure ink quickly using just **one ozone-free H-UV lamp**”



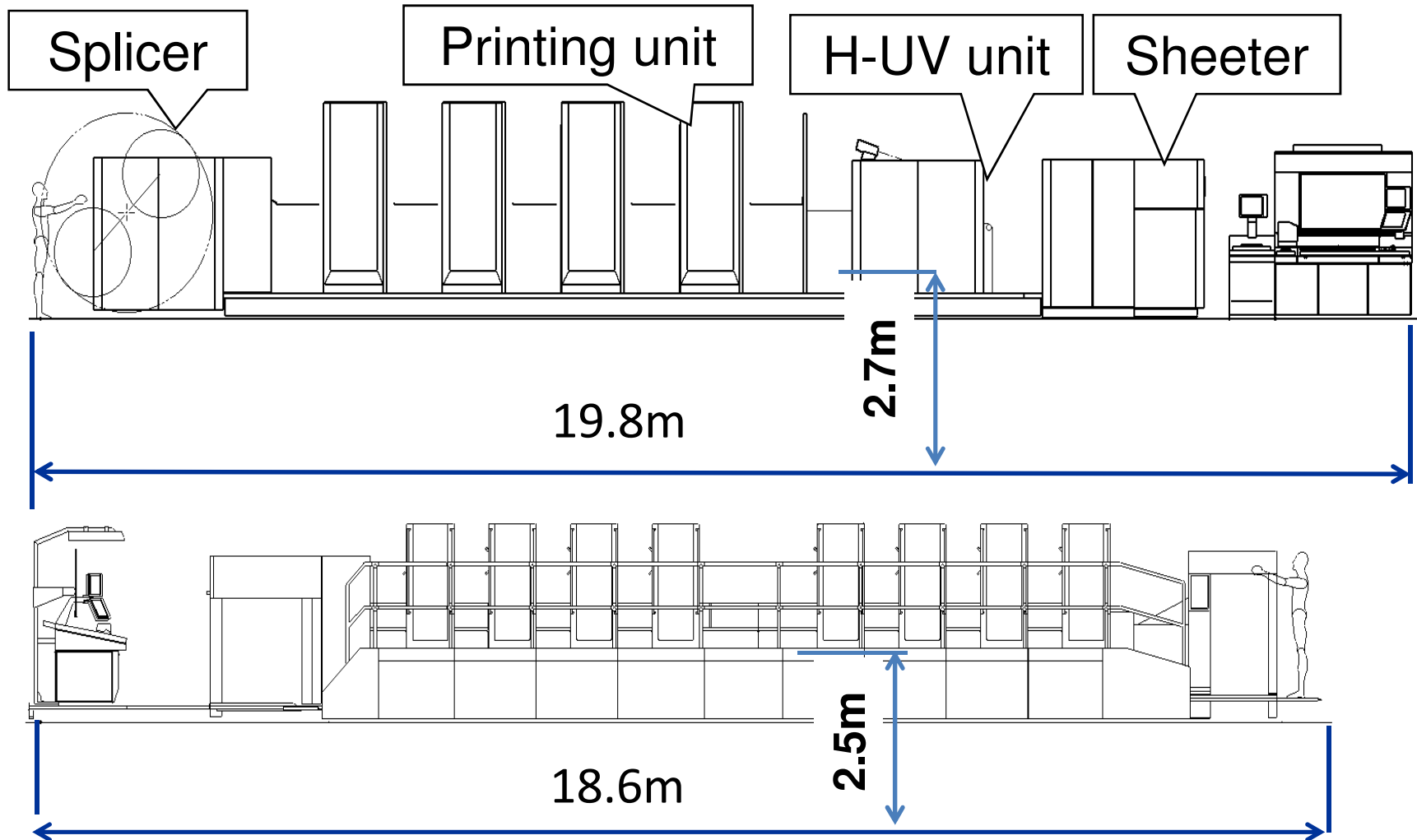
- H-UV available in Europe for 5 years.
- Over 700 Komori presses sold worldwide.
- Over 170 Komori presses sold in Europe.
- All sizes, with and without coating.



## KOMORI G38 16 page H-UV web.

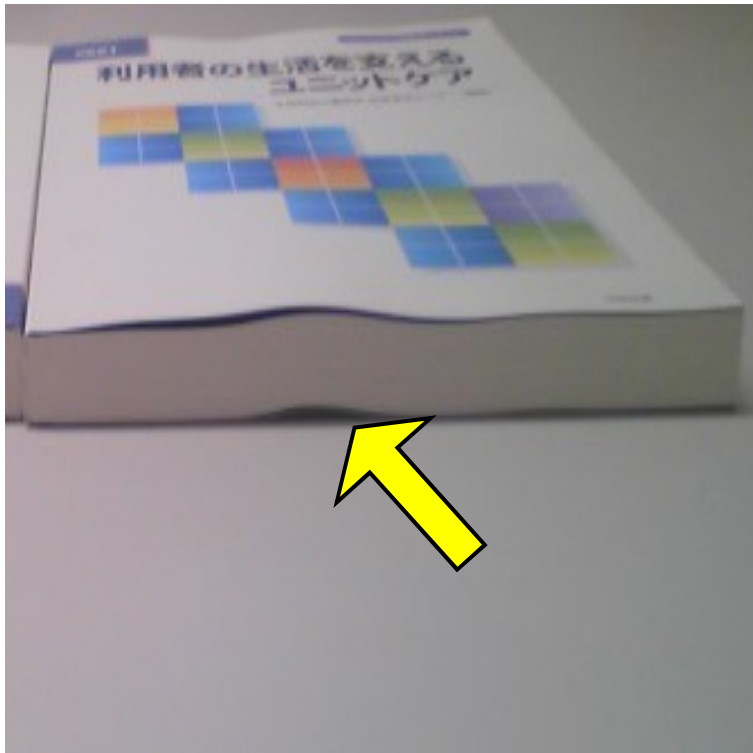


**12 x G38 web presses sold in 4 years**





Heatset Web Offset sine wave!



G38 HUV web produces flat sheets!



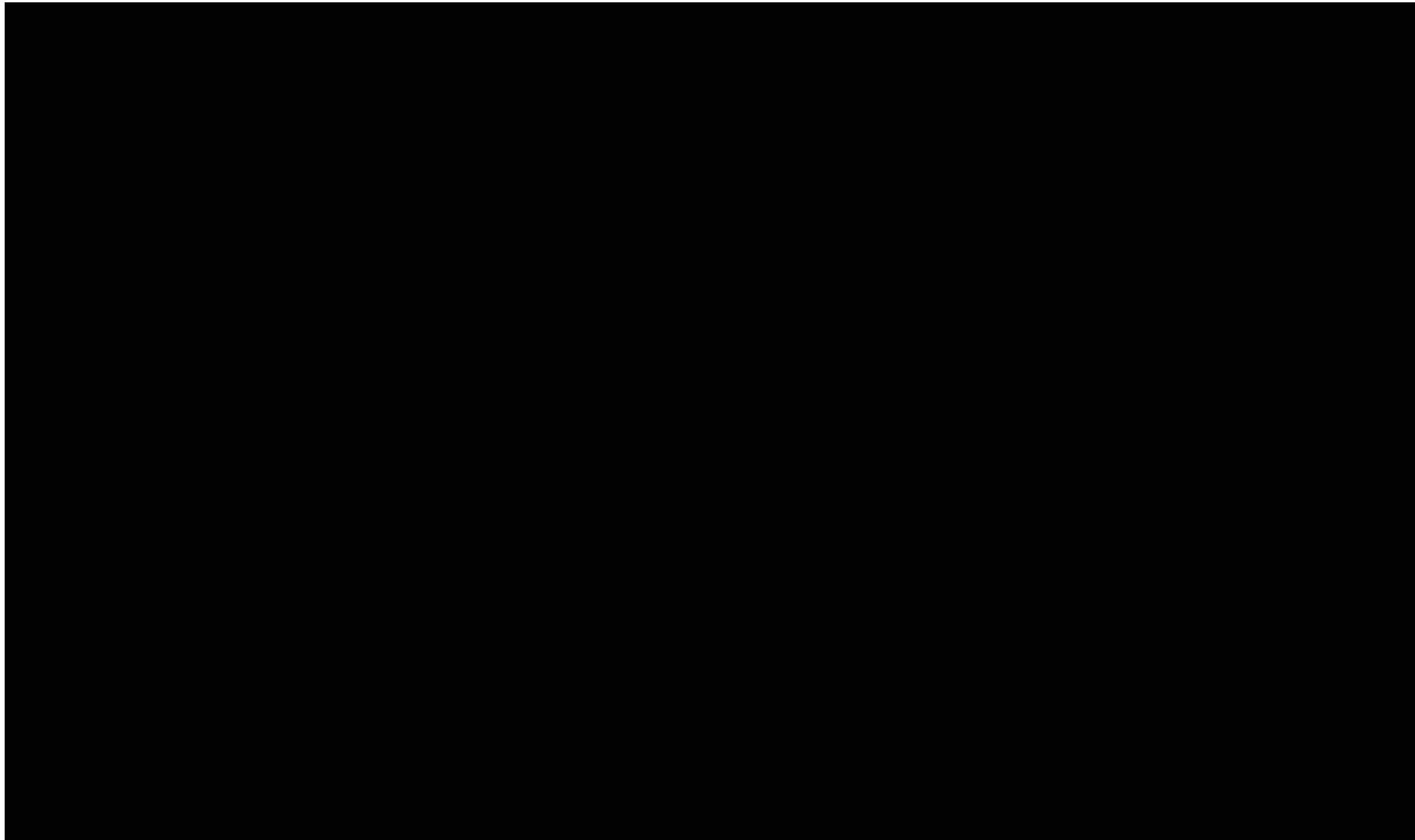
# G38 H-UV Web production benefits

- Shorter Web length...Reducing waste paper!
- Reduced make-ready procedures ...Reduced waste paper and time!
- Flute-less, no paper sign wave .....Improved finished quality!
- Trouble free post-press process with less paper expansion & contraction, reducing paper cracking and scratching....Reduced paper wastage!



**“It’s no longer a question of does H-UV work it is a case of whether H-UV can benefit your business”.**







**THANK YOU**

感動

K a n d o  
Beyond Expectations

**KOMORI**