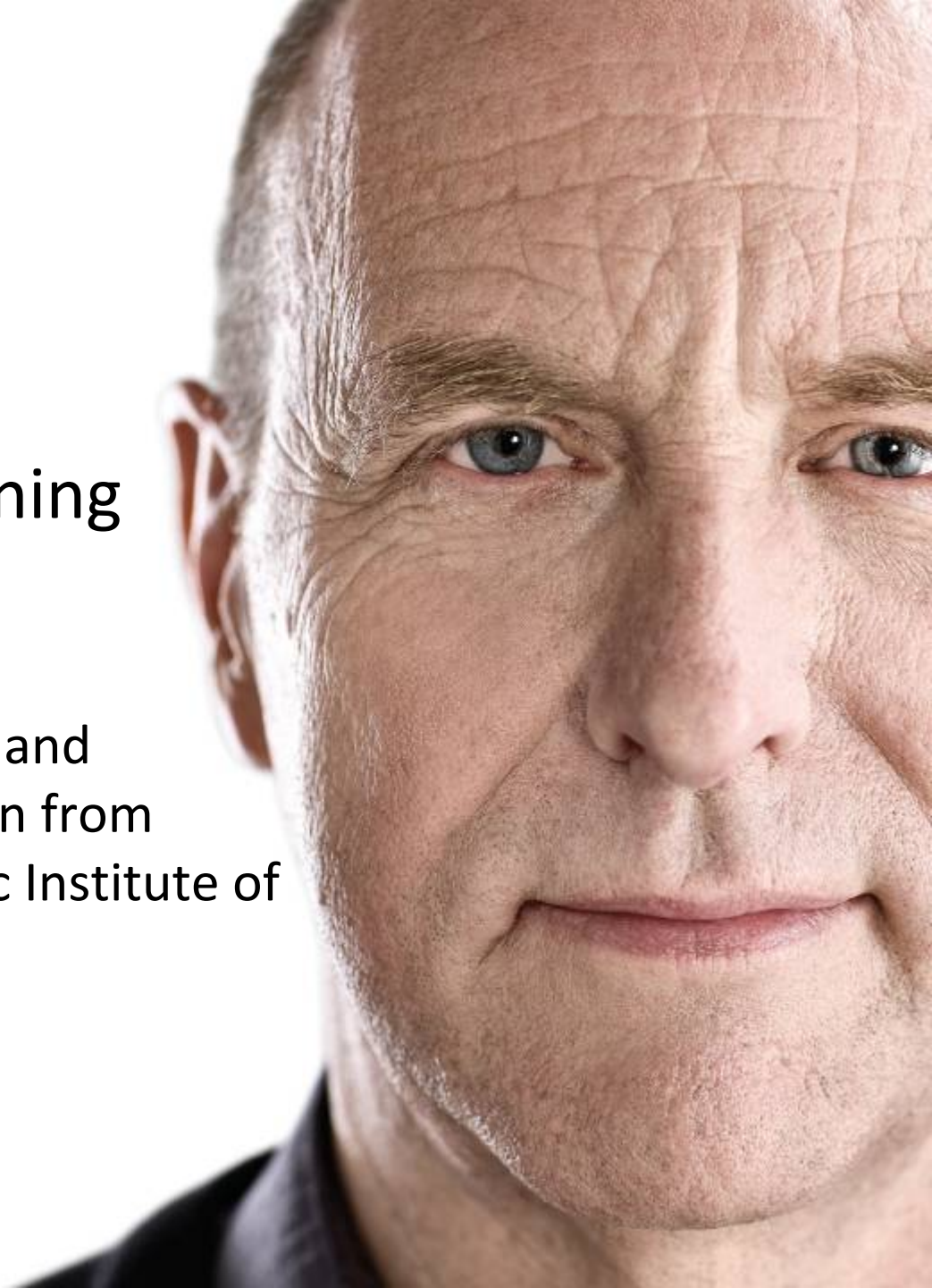


Who cares?

Printing Machine Running Speed

Excerpts from 'Responsibility and Performance' – a presentation from StoraEnso for the Lithographic Institute of Australia (LIA).



Who cares?

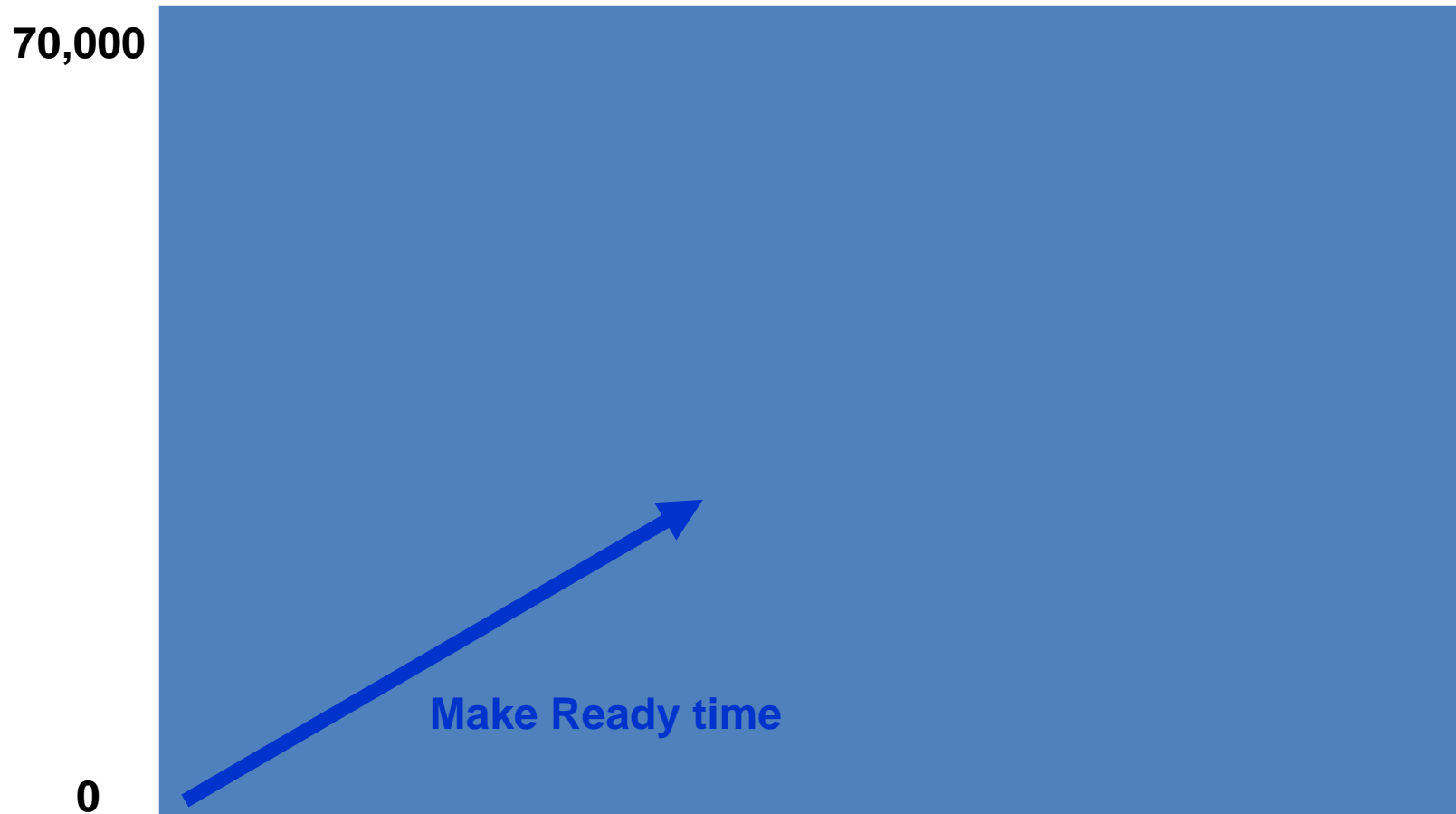
Printing Machine Productivity

- The most important issues in selecting a new printing press
 - Reliability – no lost production time
 - Productivity – speed of production
 - Make Ready Time – productivity
 - Brand – reputation – Printers are very loyal to their machines
- Lost printing time has an accumulative effect
 - Late delivery to customer or high stress

Printing Machine Productivity

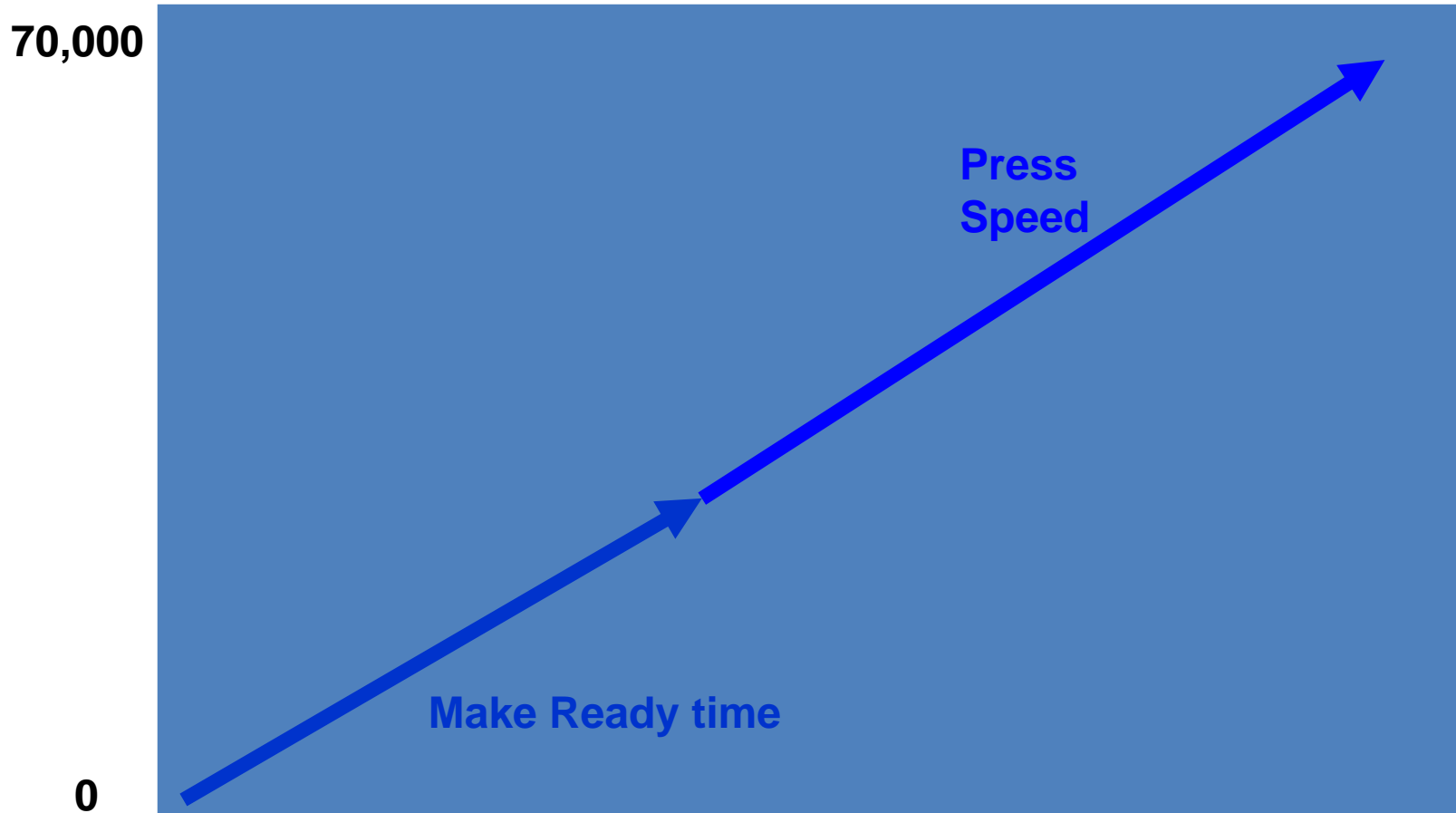
- Printing Press manufacturers have been developing new technologies to increase the speed of sheet travel through the press
 - From the first pick up of the sheet on the feeder
 - Air flow technology to hover the sheet during transfer
 - Smooth flow, no sharp turns through the path
 - 1985 Normal running speed 6,000 sph (max 13,000 sph)
 - 2005 Normal running speed 10,000 sph (max 18,000 sph)
 - One manufacturer is now at 24,000 sph!!
 - Lower waste, much faster make ready
 - 1985 More than 1 hour make ready
 - 2005 Less than 30 minutes make ready, 15 minutes possible
 - JDF and CIP4 systems

Reduced Make Ready times have given about *who cares?*
30,000 additional Impression per day since 1985



Increased press speeds has given about 40,000 additional Impression per day since 1985

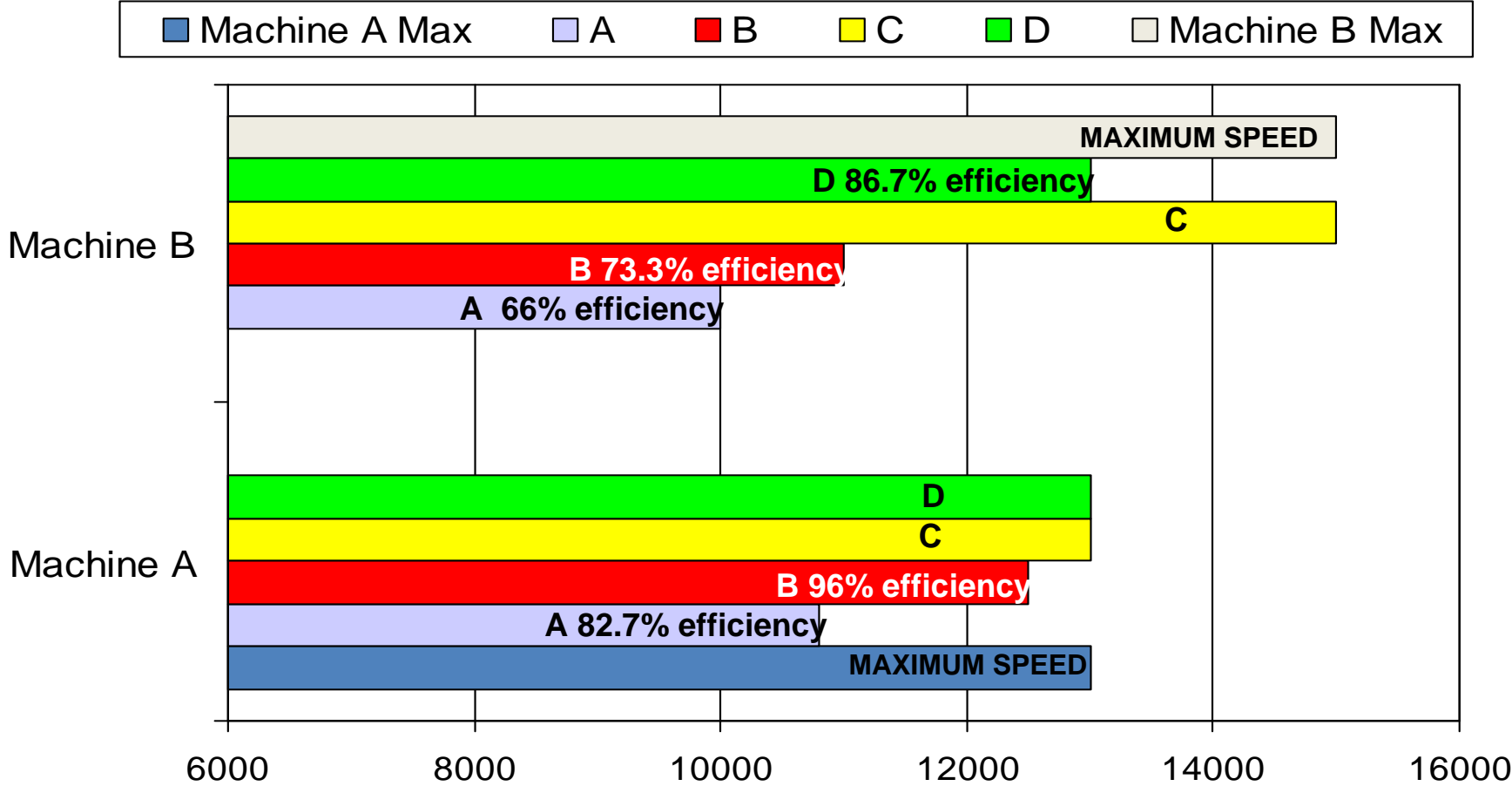
who cares?



Printing speed test by customer in UK

who cares?

115 gsm multicoated gloss papers.



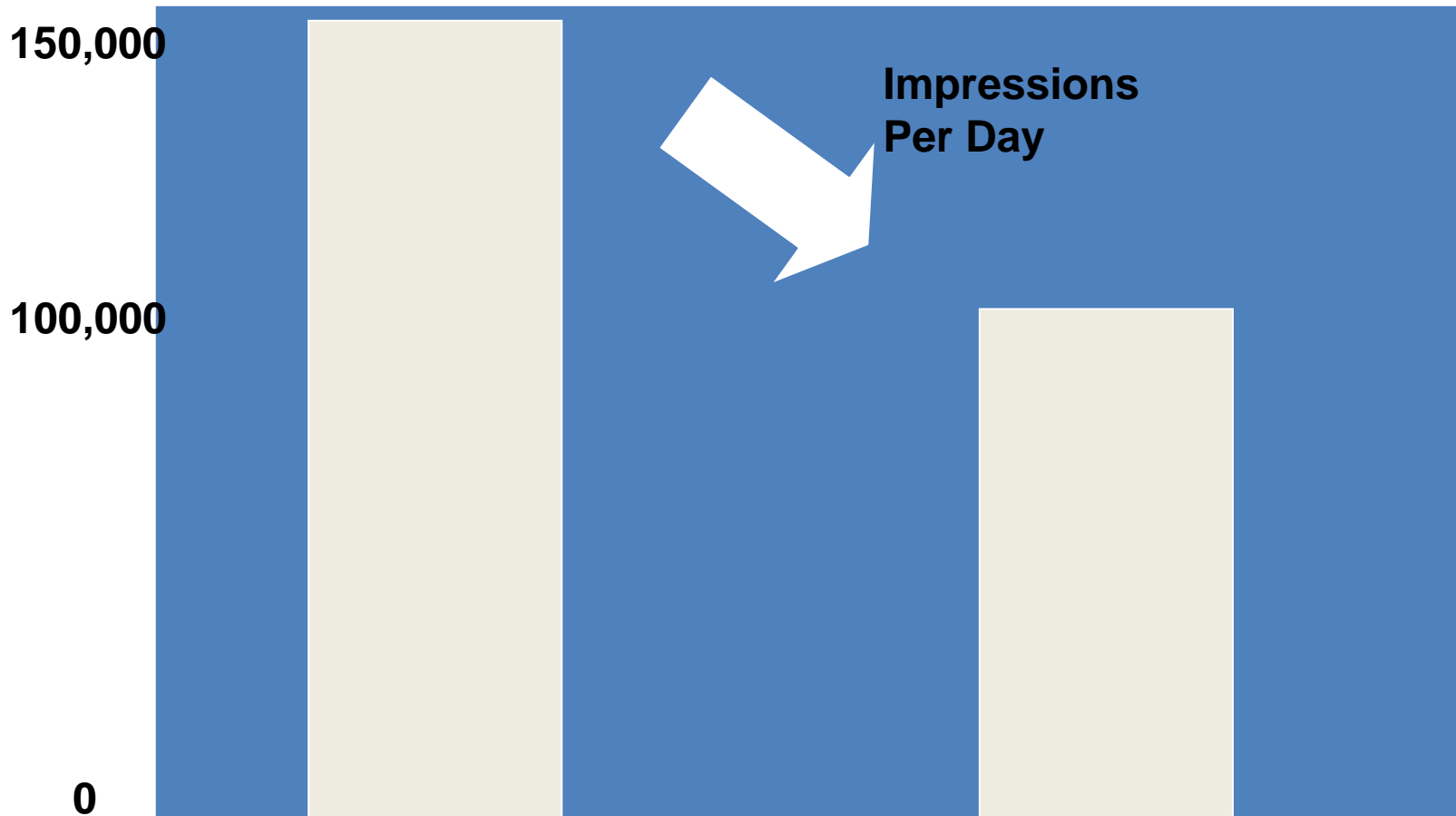
No major difference in price these of papers in the market

who cares?

*“As the **achievable** speeds of printing presses become faster, the **differences** between the performance levels of various paper becomes greater...”*

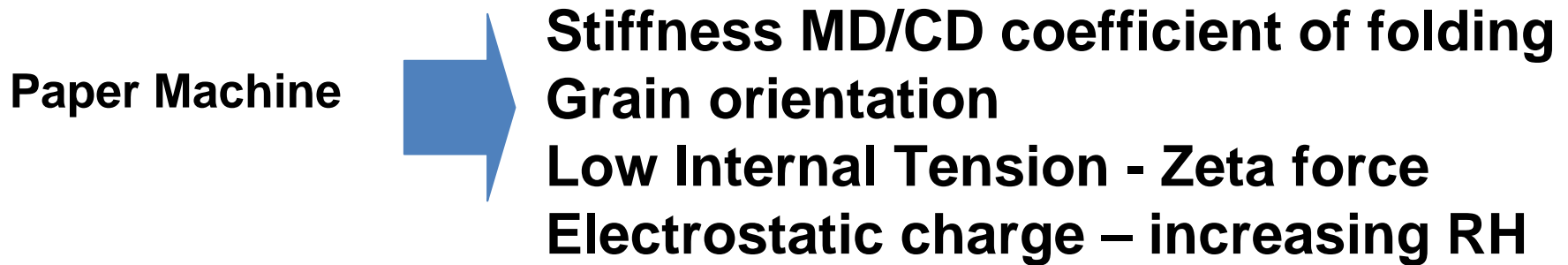
Almost all the gains in press technology since 1985 are lost if the paper cannot travel at speed through the press

Who cares?



Mystery of Paper that has an effect on Press Speed

who cares?



“Relaxed Sheet”



Room RH 20 %

Paper RH 50 %

