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6 challenges of Flexo Printing

A challenge or a hidden opportunity?

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About Flexible Packaging

- Flexible Packaging is produced through **adding value** to a wide variety of substrate materials including:
 - plastic films,
 - paper and aluminum foil
- Mainly for primary **retail food packaging** and **non-food packaging** applications such as
 - pet food,
 - tobacco,
 - cosmetics and personal care,
 - household detergents, and
 - pharmaceutical and medical products





Leading supplier to the
Printing and Packaging
Industries

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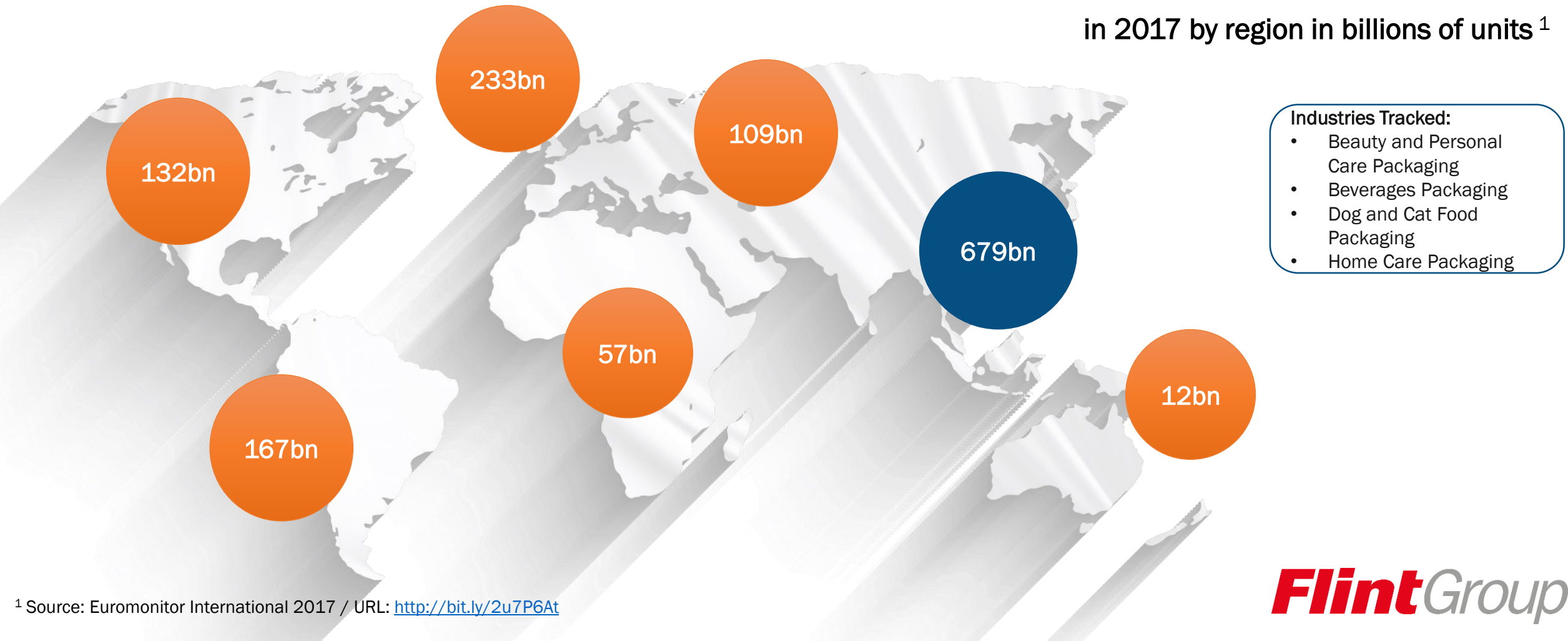
#1 or #2 supplier in every
major market segment we
serve



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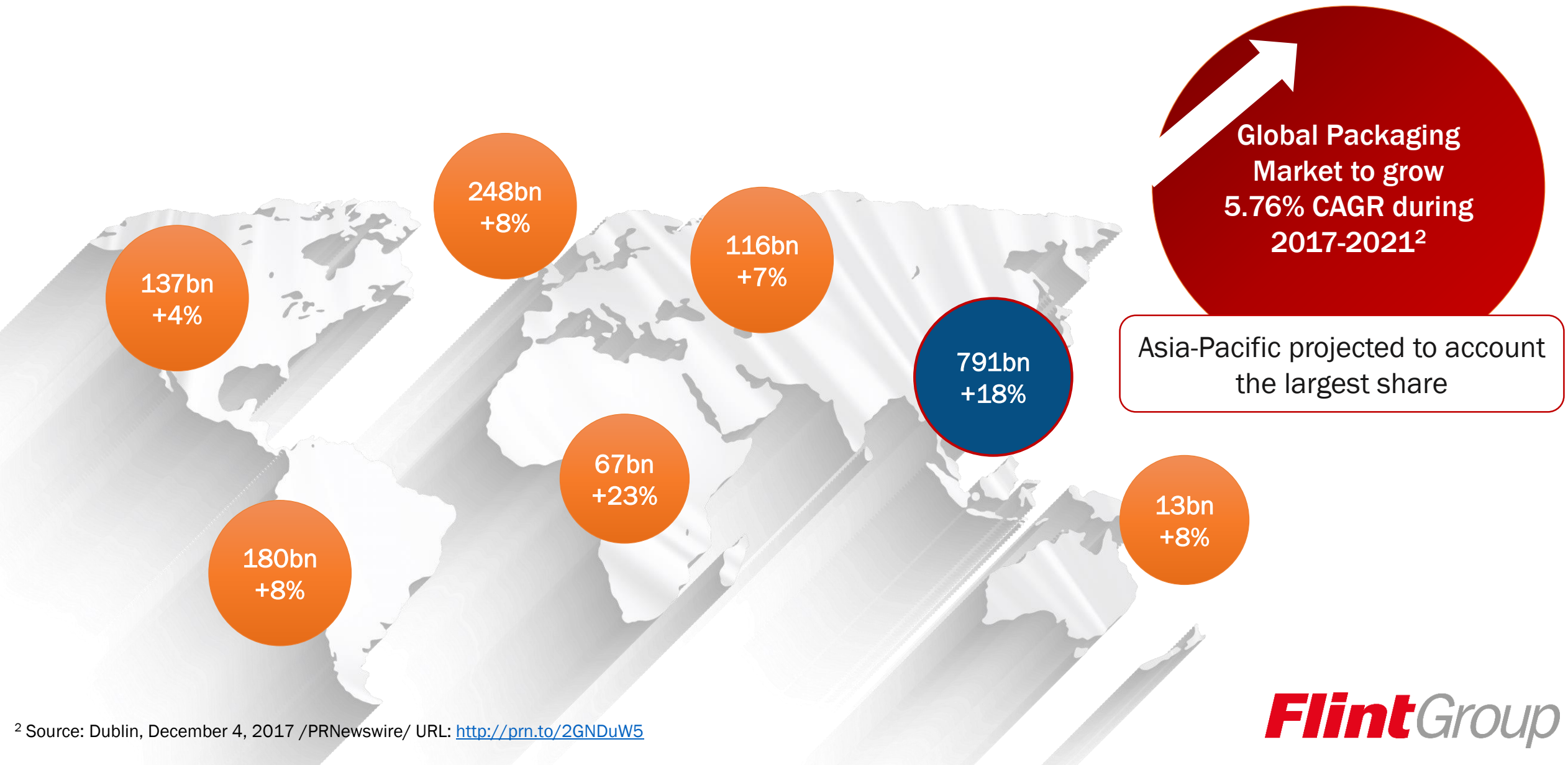
Flexible Packaging to grow across the world

Asia Pacific making up **24%** of absolute global totals
in 2017 by region in billions of units ¹

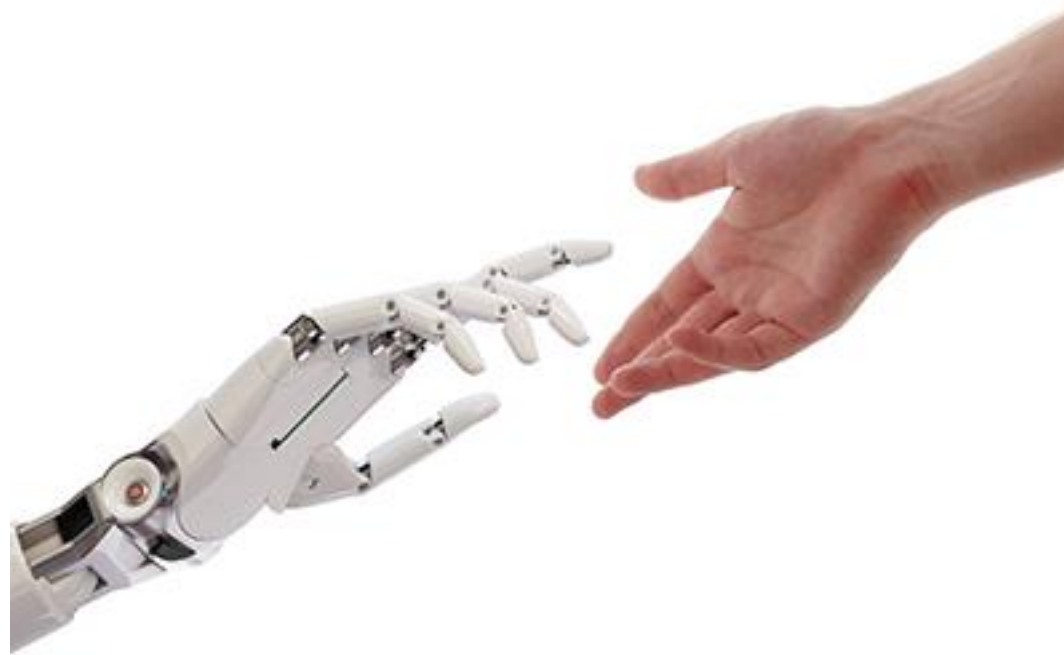


¹ Source: Euromonitor International 2017 / URL: <http://bit.ly/2u7P6At>

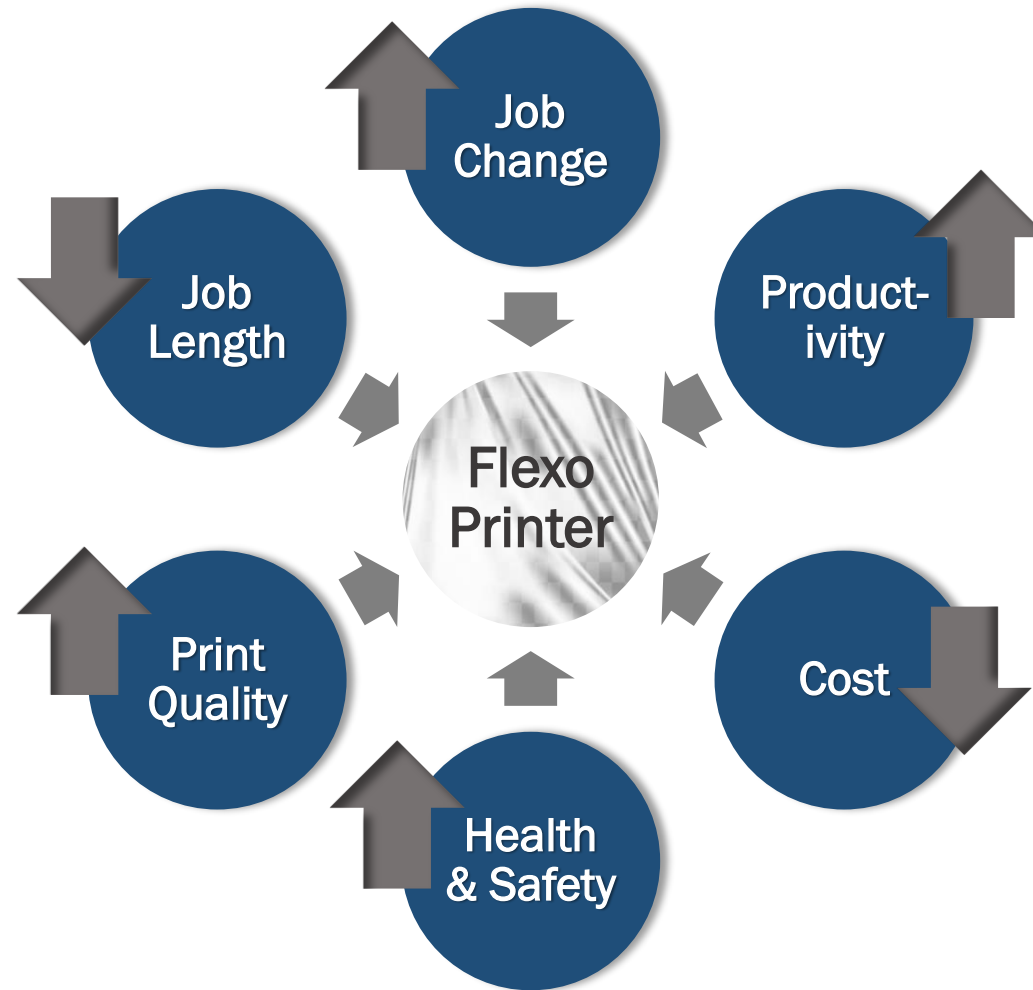
Global Flexible Packaging Retail 2022 Outlook



Two main resources to cover the growing demand - Machines and Humans
- Let's try to stretch our machines and conserve our human resources -



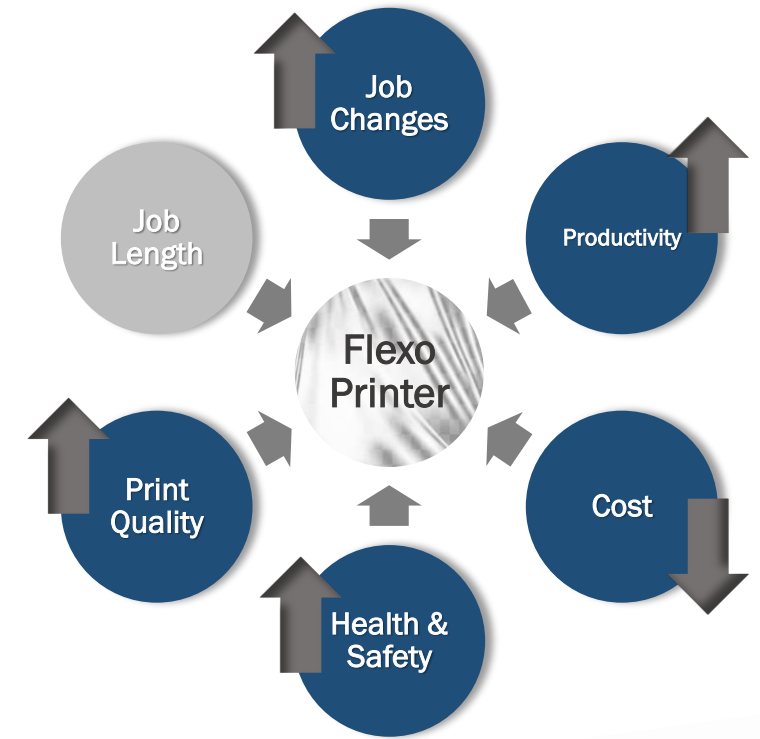
Market demands flexibility and a balance of six targets



Work smarter not harder

New generation sleeves with optimized technologies for conventional plate mounting

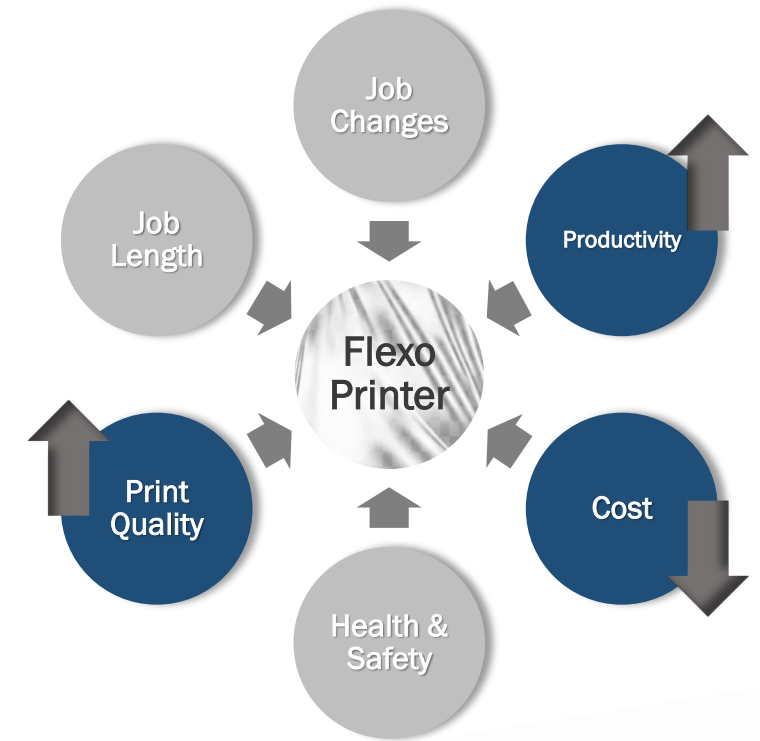
- More efficient job changes and increased productivity because of **improved base sleeve construction** for easier mounting
- Improved health & safety standards for press operators because of **weight optimization of up to 25%**
- Faster press speeds while maintaining excellent print quality because of **reduced bounce** with new materials
- Possible with **glass barrier layer** to provide superior dimensional stability for long lifetime and increased print quality at high speeds



Finding the right philosophy in cost vs. flexibility

Compressible Sleeves with long-lasting compressible surface for optimized print quality

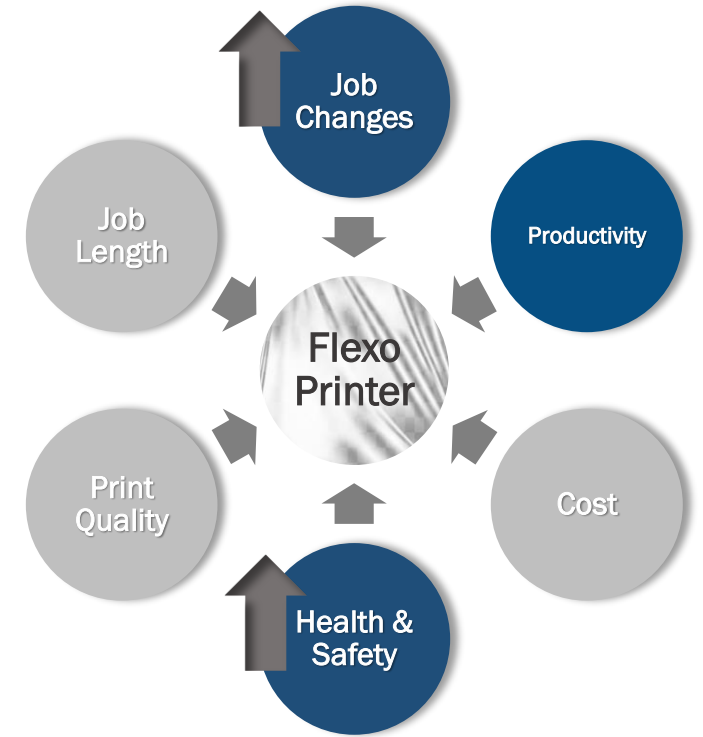
- Optimized print quality with a **compressible surface** with various hardness levels (40 - 70 Shore A) depending on specific job requirements
- Significant **reduction in tape costs** by switching from compressible tapes to hard tape
- Higher productivity can be achieved with new sleeves with special compressible layers which contribute to **vibration dampening**, allowing **higher press speeds**



Lightweight solutions for increased health and safety

Lightweight sleeves and adapters with reduced weight for significantly improved handling

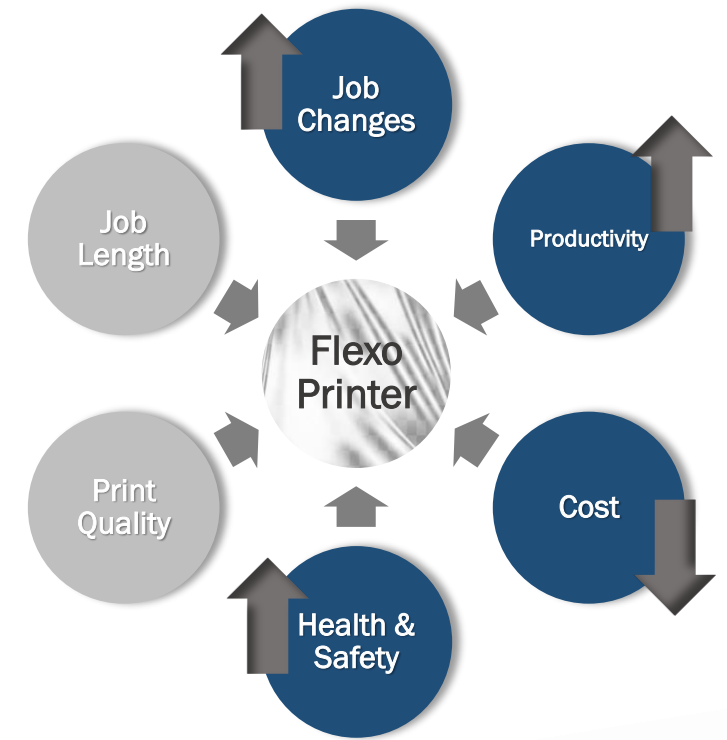
- Improved health and safety for press operators with **up to 40% weight reduction** compared to other plate mounting sleeves on the market and **up to 60% on thick wall adapters**
- Faster job changes because lighter weight allows significantly **easier handling** for the operators



New adapter technologies significantly influenced market

Adapters with **more efficient air flow system**

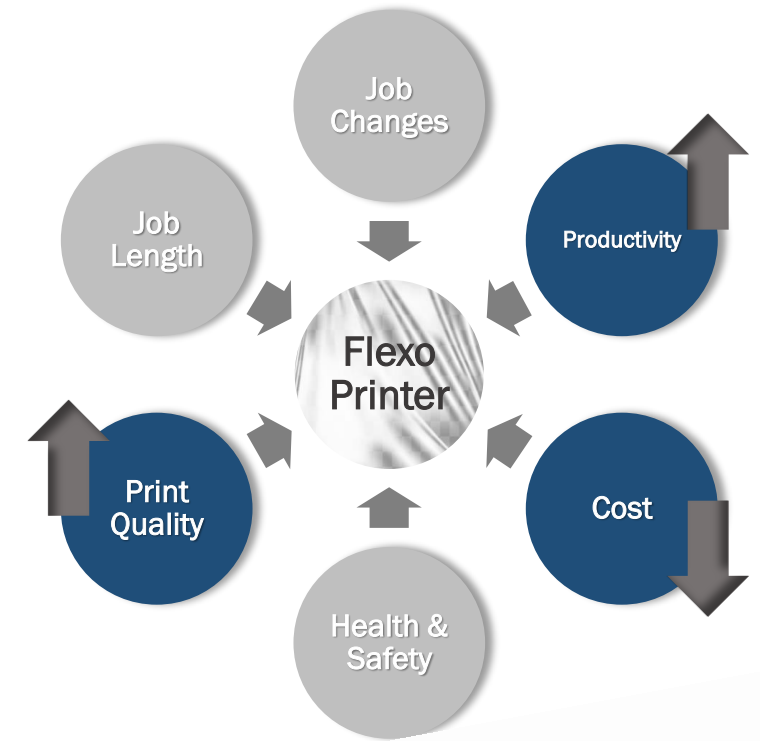
- Breathable metal ring or other alternative systems instead of air stream holes
- **Easier sleeve mounting** – no more tight-fit problems
- Practically **no noise**
- Sleeve mounting with **up to 90 %** reduction in compressed air volume required
- **Reduced set-up times** – pre-press and printing press



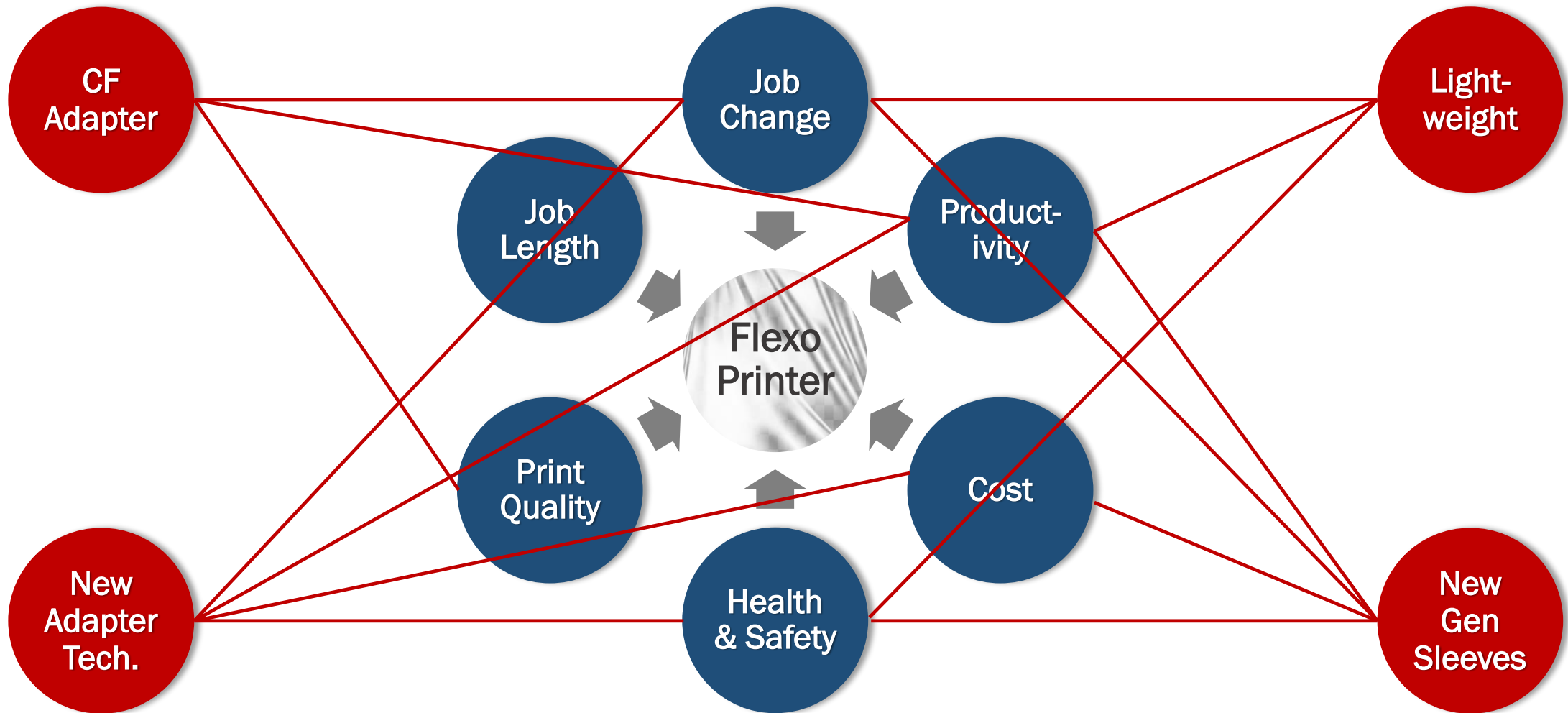
Top speed and efficiency with high modulus CF Adapters

High modulus **carbon fibre adapters** with vibration dampening properties for best print quality at high press speeds

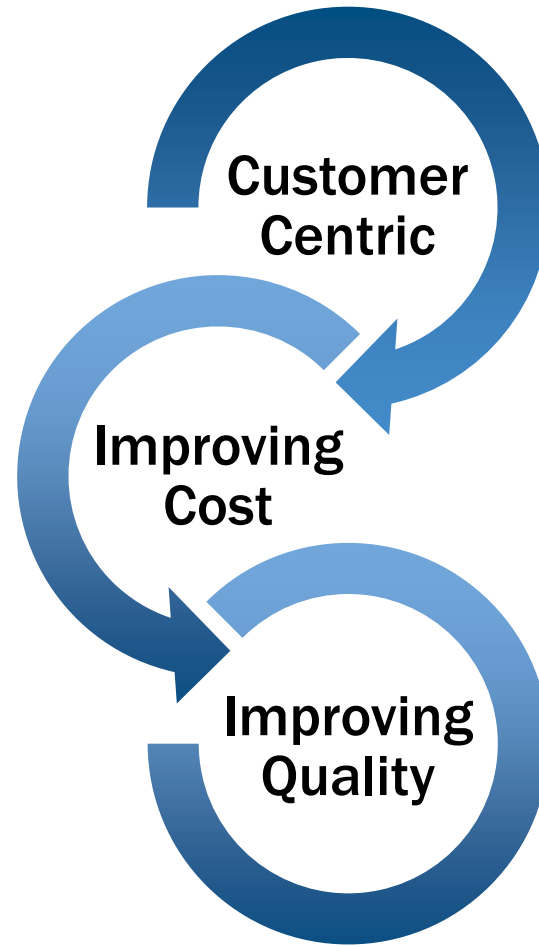
- Increased productivity because **high modulus carbon fibre** provides the stiffness needed to dampen vibration present at higher press speeds
- **Excellent print quality** is achievable at higher press speeds without bounce, even for hard edges
- Decreased costs with **high-end technology materials** and new constructions that are efficient and reliable over long lifetime
- Weight optimized versions available



Pick your solution to your challenges



Future prospects



Better. Faster. Easier to use.

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