

## Military Application Origins of The HP System



# ***Modular belts' weaknesses***

- Difficult to clean for eliminating bacteria in food applications
- High water consumption for cleaning
- High energy consumption
- Long cleaning time
- High initial buying cost
- Noise

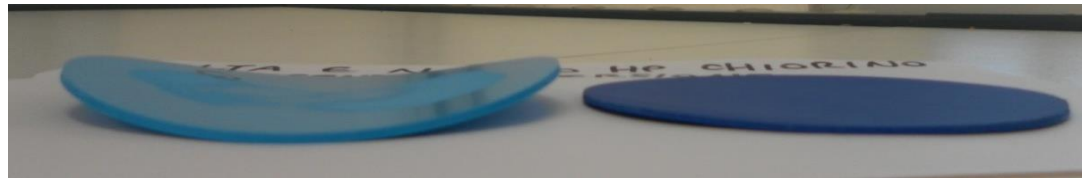


# R&D Test

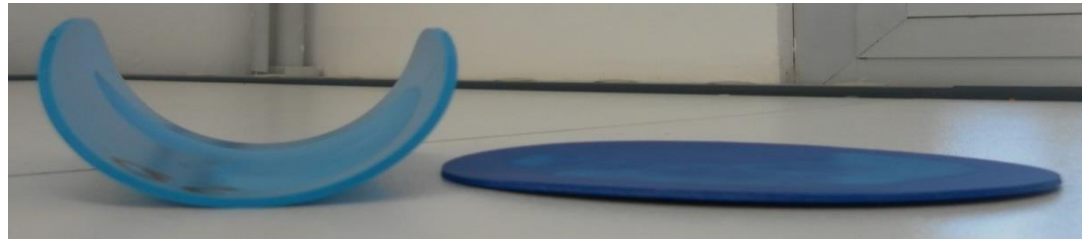
Competitor

**HP** sealed edges  
**PRO CHLEAN**

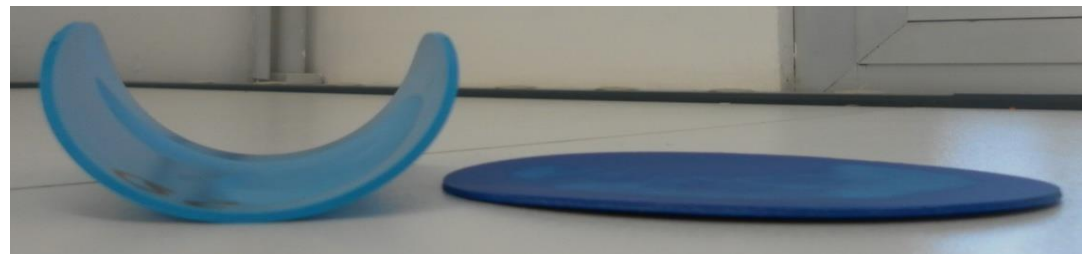
**Time Zero**



**After 24 hours  
of immersion at  
75°C**



**After 1 week  
of immersion at 75°C**



# ***Monolithic belts' weaknesses***

- Low resistance to hydrolysis
- Aging, cracking, breaking
- Waving due to quick deformation of the monolithic structure caused by water and by cleaning procedures
- Elongation
- Resulting tracking Issues and teeth jumping from sprockets.



*Application: duck deboning*

# ***Evolution of belts for Meat & Poultry***



**Homogeneous reinforced belts**  
**Solution to hygienic and technical limits**

