



# Innovative robotic applications for highly reconfigurable production lines



<http://versatile-project.eu/>

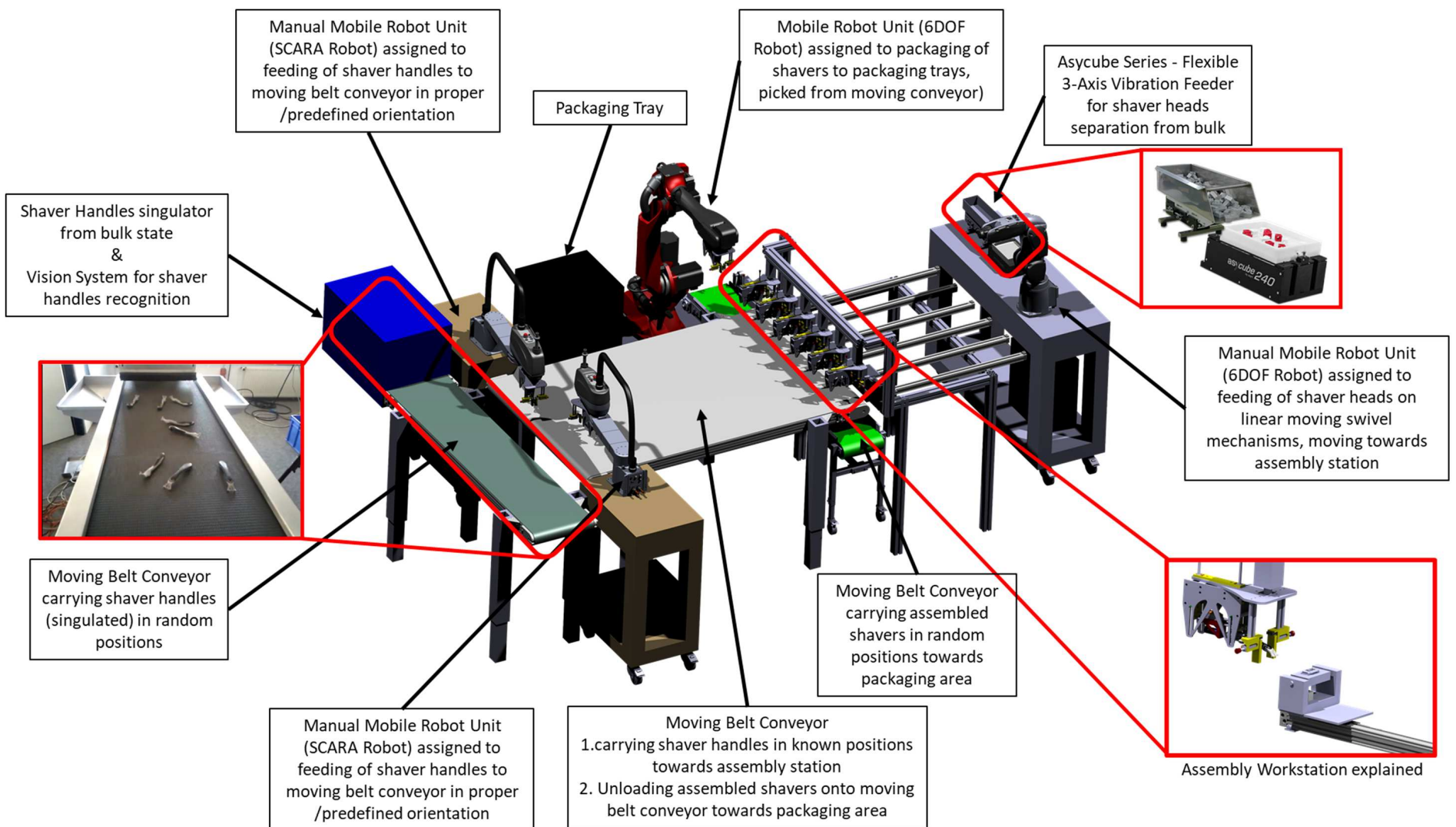
## Motivation for Automation

Consumers Good Pilot case deals with the assembly of different variants of shavers. BIC requires an easy to reconfigure system able to produce many variants of the their product range. This will allow BIC to adapt its production capacity based on the market demand.

## Challenges and obstacles

- ✓ Manipulation of the handles which their geometry is extremely complex
- ✓ Many variants of the product that can change over time
- ✓ Cope with high throughput rates ~ 50 parts/min
- ✓ Manipulation of flexible parts(trays)
- ✓ Keep downtimes for reconfiguration to minimum

## Product variants



1. Modular soft automation solution able to perform both Feeding and Packaging processes
2. Ease of reconfiguration of multiple robotic arms
3. Manufacturer Independent solution
4. Able to produce many variants with minimum intervention

## Partners



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