



Automation concept improvements

Automation fast coupling

Before



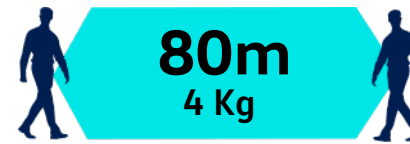
240m
30 Kg



After



80m
4 Kg



Description



- 20% Reduction on die change time
 - Improve ergonomic conditions for the operators
 - Reduce warehouse space
 - Reduce automation tools weight
 - Storage closer to press line
- (ex: body side automation tool from 30 kg to 4 kg)
- Increase process stability
 - Reduce tools transport distance (from 240 m to 80 m)
 - Cost reduction

NDF

Investment 10.000€

Saving 80.000 € and
20% reduction die change time

Result/improvements Ergonomics
and process improvement

	Facts
Area	Stamping 7
Zone URQ	URQ2
Station	Tandem Line
Methods	 
Responsible	F. Fernandes P. Pascoal
Implementation	2018