

Project context and objectives

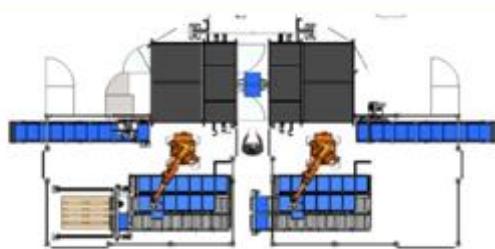
With more than 26.000 companies and almost 400.000 employees footwear industry is still relevant in Europe. However the trend shows a clear decline on business figures; low cost countries are becoming an obvious threat for the future of the sector.



Semi-automatic assembly operation



[Manual cutting of leather parts](#)



QD
The robotics solution

A&CN
AUTOMÁTICA Y CONTROL
NUMÉRICO S.L.



DFKI
Deutsches
Forschungszentrum
für Künstliche
Intelligenz GmbH



INESCOP
INSTITUTO TECNOLÓGICO
DEL CALZADO Y CONEXAS



**Sectorial Research
(and Technology provider)**



End Users

**System
integrator**

**Technology
provider**

**Footwear
Sector**





Curing of the glass station



Manual polishing

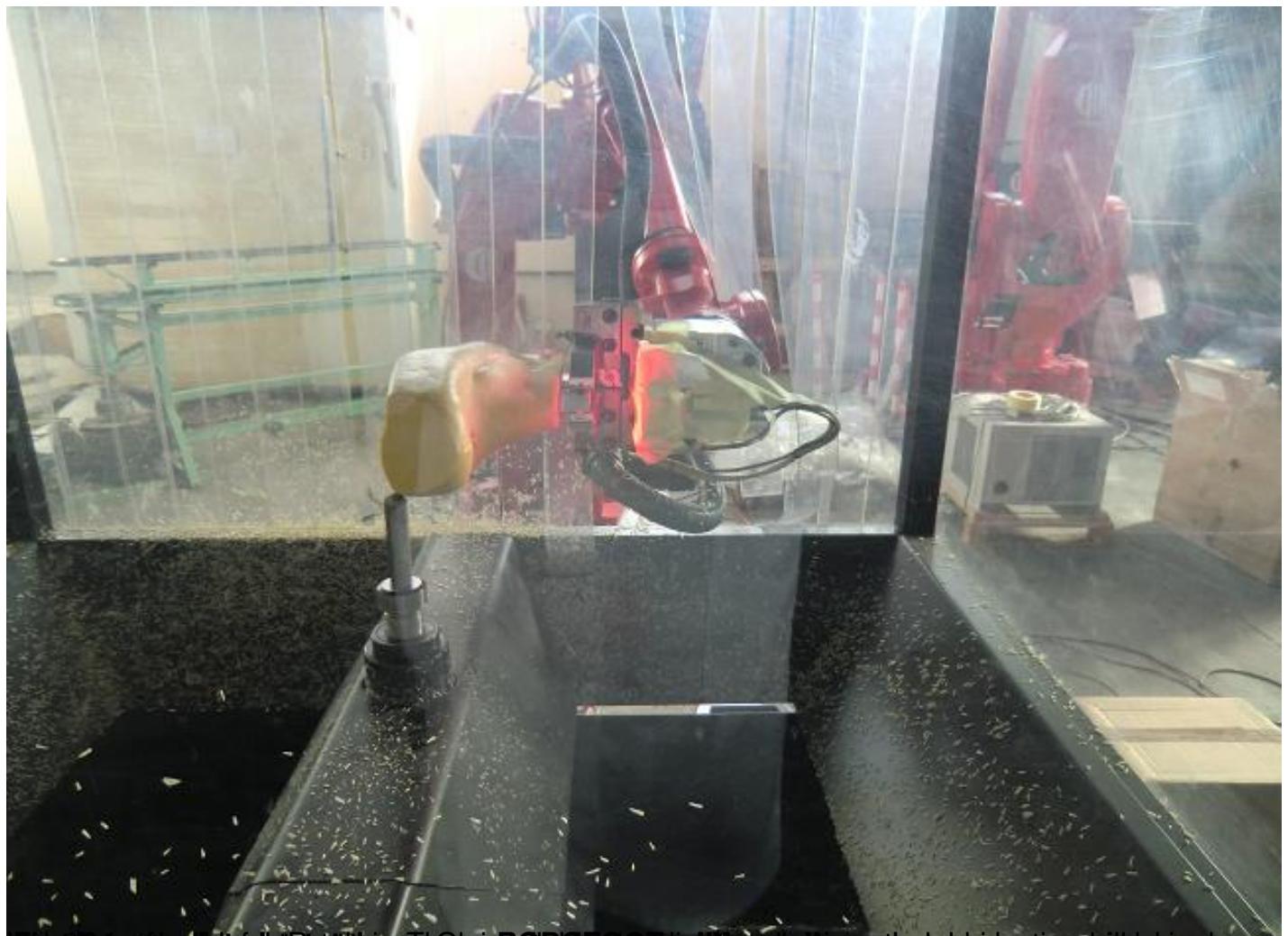


Figure 10 illustrates the welding process, where the robot is performing welding tasks and the operator is monitoring and controlling the process.

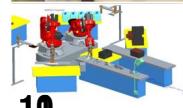
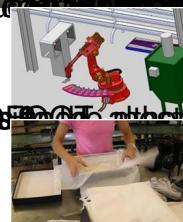
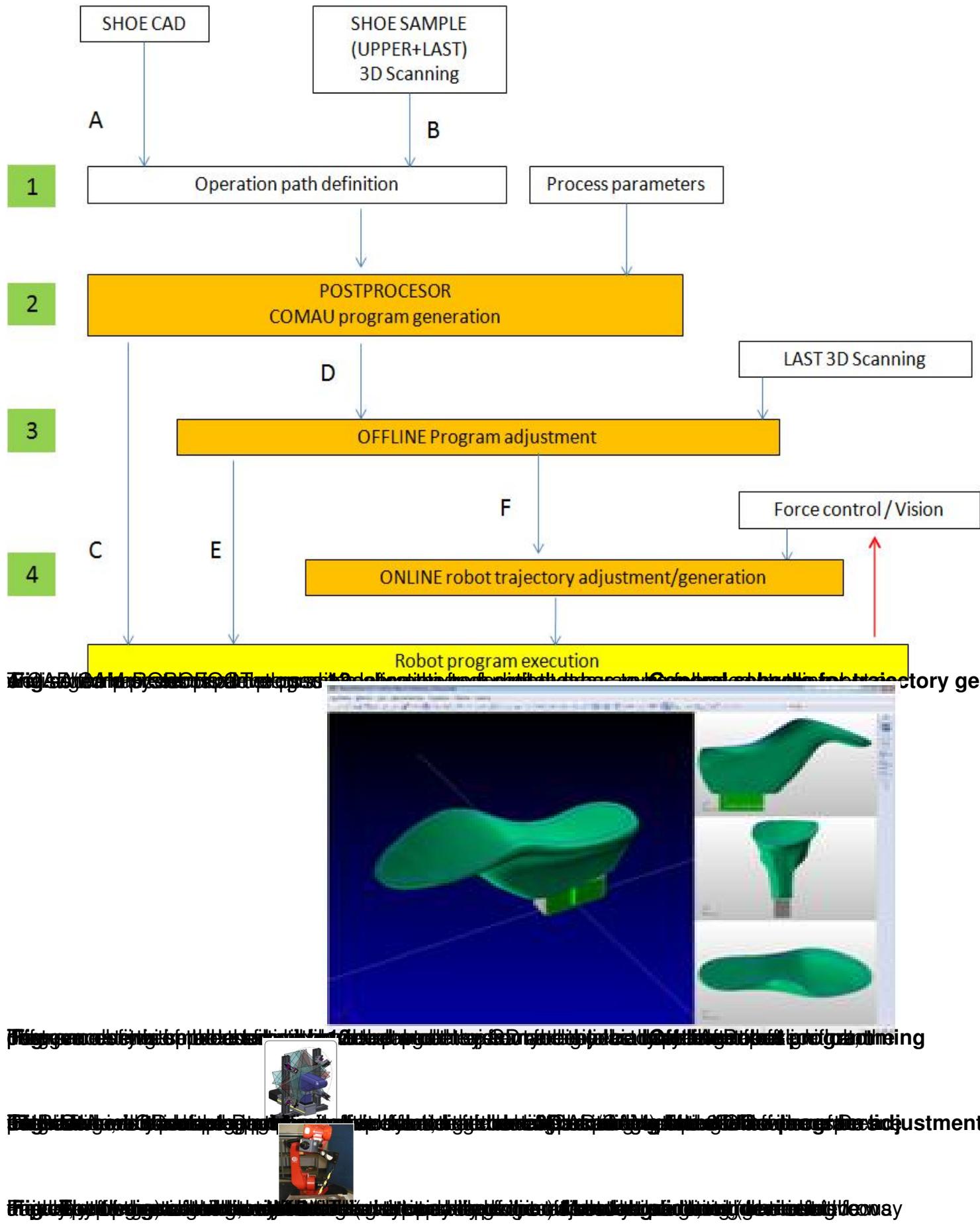
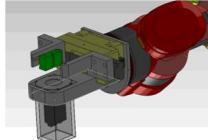


Fig.

10

Robotics in the field of





Technologies relevant in year 10 include [Robot Programming](#), [Task Planning](#), [Multi-fingered Grippers](#)