

SAPELEM › ROBOTICS › HANDLING › MECHANICAL PARTS

TRUCK WATER PUMPS MANIPULATOR by CLAMP

PROJECT: Supplying an assembly workstation

The manipulator must grip a truck water pump in horizontal position in a plastic crate, without marking it.

Then release the pump on a truck engine on the assembly line.

CUSTOMER APPLICATION:

WLL: 15kg

Pace: 10 (cycles/h)

Precision in laying the pump on its axis

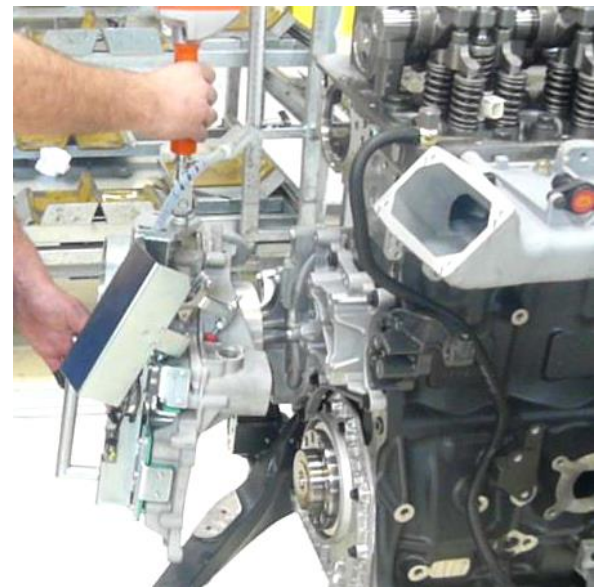
ADOPTED SOLUTION:

Pneumatic clamp to tighten the pumps, volume reduced to fit in the crates

Natural transition from horizontal position to vertical position thanks to the positioning of the attachment point

Integration under an R2a multi-articulated arm, range: 3.6m

Complete safety of the users thanks to the ZE Soft Grip module enabling to condition the gripping/up and down/releasing actions



SAPELEM is present in every industry and conceives high performance handling systems adapted to every activity.

Whatever the product weight, height, size or material, our engineers and ergonomists will find the solution to handle your products intuitively.

Please feel free to present us your handling projects.