

## SAPELEM › COBOTICS › HANDLING › MECHANICAL PARTS

## CAR AXLE MANIPULATOR by MAGNETS

## PROJECT: Supplying axle welding workstations

The manipulator must grip the cross member of a car axle in a container to supply two robotized welding lines.

Only the upper side of the cross member is available for gripping.

The release must be done on a template with centring rods.

## CUSTOMER APPLICATION:

WLL: 30kg

Pace: 60 (cycles/h)

Four different cross members with a common upper zone

## ADOPTED SOLUTION:

Gripping with two permanent magnets on the upper side

The magnets move thanks to pneumatic jacks controlled by the Zii handle.

The conception of the gripper allows for an easy and natural centring for precise grip and release.

Integration under an R2a multi-articulated arm, range: 4.7m



*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.*