

SAPELEM › COBOTICS › LIFTING BEAMS › 8 ton METAL SHEET

VACUUM LIFTING BEAM – HORIZONTAL FOR METAL SHEET

PROJECT: Horizontal handling of thick metal sheet

The lifting beam is used for a horizontal grip and release.
The volume of the lifting beam must be inscribed in the different sheets sizes.

CUSTOMER APPLICATION:

WLL: 8,500kg
 Sizes: mini = 2,000 x 5,000mm – maxi = 3,000 x 12,000mm – thickness = 5 to 30mm
 Integration: fixed structure with 3 lifting rings (handling by 2 bridge cranes with 1 or 2 hooks)

ADOPTED SOLUTION:

Telescopic lifting beam for heavy loads:

- 2 telescopic beams guided by rollers (indexed positions)
- 4 transversal arms carrying suction cups (2 fixed in the centre – 2 on the outside on beams)
- 8 suction cups hung by chains (fixed positions at end of arm)
- Vacuum generated by a safety vacuum unit
- Valve for a quick release to avoid self priming of the big suction cups
- Piloting by radio control
- Dimensions of the lifting beam: L = 5.75 to 10.72m – w = 1.92m – height = 1.90m



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.

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