1600kg Capacity 3D Head

Libro 1600 3D Head [1600kg]

Building on the impressive foundations and popularity of the Libro 1000 3D, we now have the Libro 1600 3D Head in our range, giving installers more capacity, reach and with the ability to lift some of the longest and largest glass.

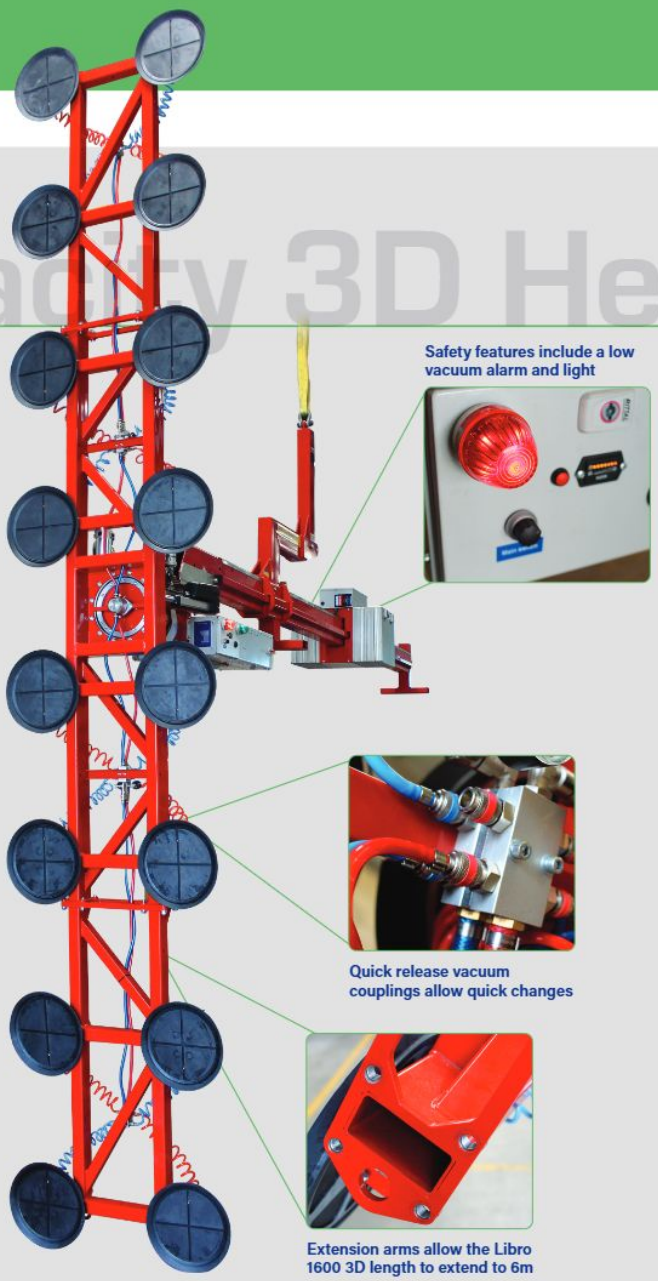
This impressive collaboration of products makes installing glass weighing up to 1600kg under soffits and overhangs an easier process than ever before and the extra length allows fin glass to be lifted into place as well.

With up to 1600kg lifting capacity and a maximum depth of overhang of 4640mm (capacity reduced to 300kg), this machine can fit into places such as soffits, balconies, façades and accurately manipulate large glass with the robotic heads ability to rotate 360°, tilt 120° and slew up to 40° left and right.

Safety is paramount and the robotic head comes complete with a dual circuit vacuum system for peace of mind.

Key Features

- 1600kg capacity (16 pads), 1200kg (12 pads)
- Glass vacuum lifter robotic head attachment
- Cable remote control for counterweight saddle
- Radio remote control for vacuum head control
- 24V DC battery with separate 110v charger
- Quick change battery provided for the vacuum head
- ±10° Anti-tilt switch



Technical Specifications

Safe working load	capacity:	1600kg (16 pads), 1200kg (12 pads)
Weight	weight:	2920kg (16 pads), 2800kg (12 pads)
Length of machine	length:	6750mm (from back of Libro to pads in vertical position)
Depth of overhang	depth:	4640mm (reduced capacity to 300kg, see table)
Balance control	control:	rack and pinion counterweight saddle
Power requirements	power:	24V DC rechargeable battery 110v battery charger
Powered head tilt	tilt:	120°
Powered head slew	slew:	40° left & right
Powered pad frame rotation	rotation:	360° continuous
Vacuum system	vacuum:	2 pumps, 2 vacuum reserve tanks
Standard accessories	standard:	cable remote control to operate counterweight saddle, radio remote control (robotic head), battery gauge, green "safe to lift" light
Optional accessories	optional:	radio remote control (overhang beam)

Overhang	Capacity
3140mm	1600kg
3390mm	1300kg
3640mm	1050kg
3890mm	950kg
4140mm	700kg
4390mm	450kg
4640mm	300kg



Balance Light



Optional radio remote control



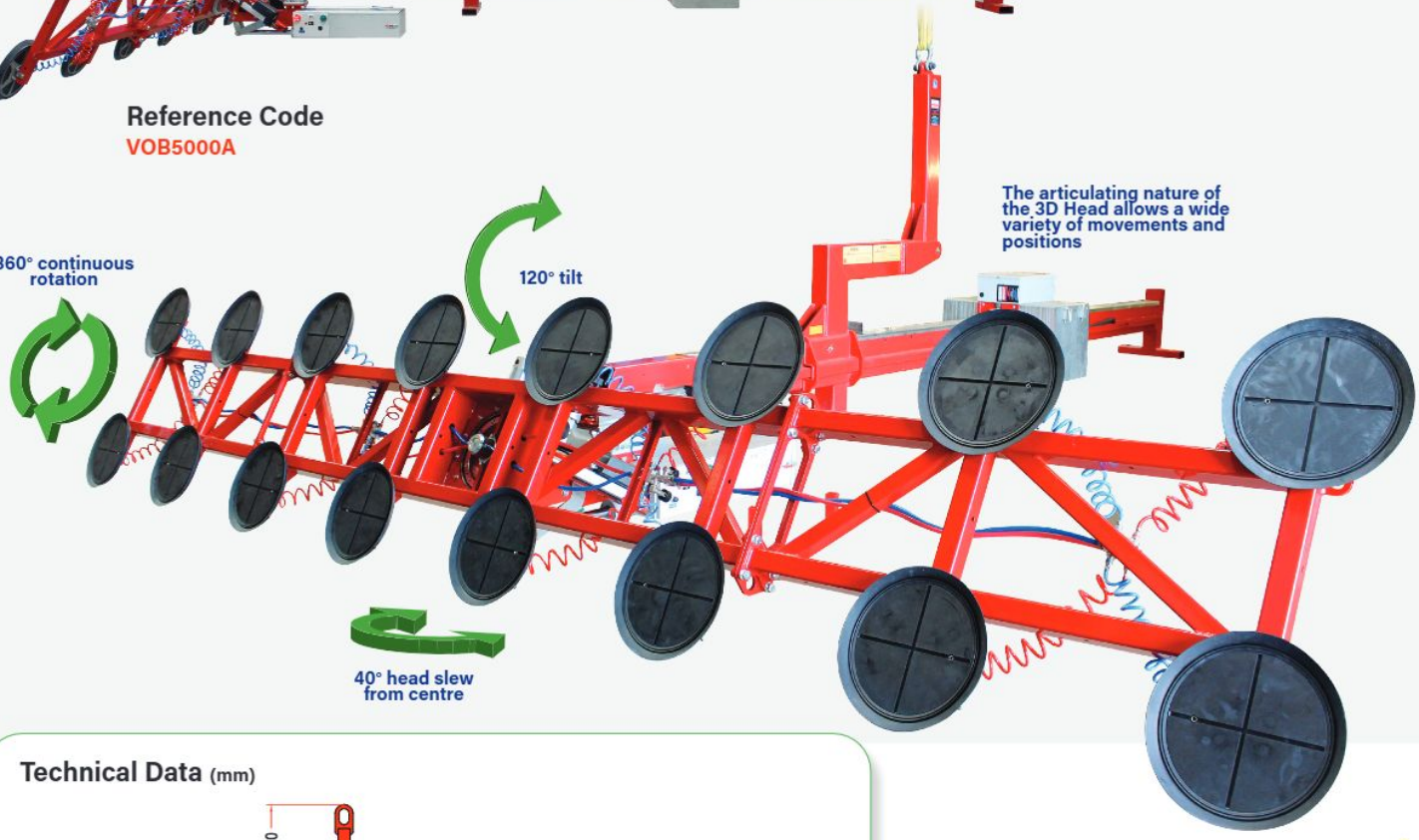
Cable remote control as standard



Radio remote control as standard for vacuum head

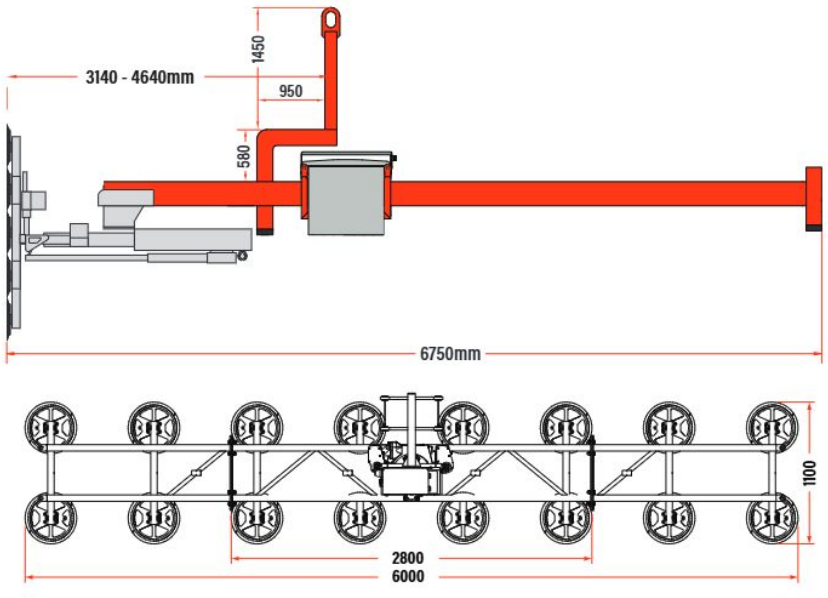


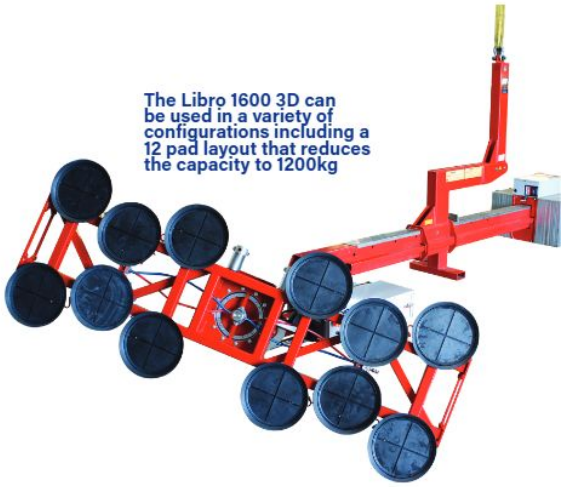
Reference Code
VOB5000A



The articulating nature of the 3D Head allows a wide variety of movements and positions

Technical Data (mm)





The Libro 1600 3D can be used in a variety of configurations including a 12 pad layout that reduces the capacity to 1200kg