

Heavy Duty Sheet Metal Vacuum Lifters

Custom-engineered large-plate coverage for oversized sheets and structural sections

3,000-20,000 KG



Heavy-Duty Lifter

3,000-20,000 kg configuration range



Production Installation

High-flow, multi-circuit vacuum system



Oversized Plate Handling

Custom pad arrays and frame geometry

Technical Specifications

All dimensions in mm

Model	Maximum Load	External Dimensions	Vacuum Pad Size	Pads
HP-BLZ3000-16S	3,000 kg	6000 x 1200	Dia. 300	16
HP-BLJ3000-16S	3,000 kg	6000 x 1200	Dia. 300	16
HP-BLJ5000-10S	5,000 kg	6000 x 1200	Dia. 450	10
HP-BLJ10T-10S	10 t	(6000+6000) x 2000	850 x 450	10
HP-BLJ20T-20S	20 t	(6000+6000+6000) x 2000	850 x 450	20

Each heavy-duty unit is configured to the actual workpiece, lifting path and plant power requirements.

01 Plate Size up to 40 m x 20 m

Custom multi-pad arrays and reinforced frames keep oversized sheets stable across the full span.

02 Surface Temperature up to 400 °C

Rated for workpiece surface temperatures up to 400 °C, enabling hot-plate handling before full cool-down.

03 High-Flow Multi-Circuit Vacuum

Imported pumps and precision valves provide deep, balanced holding power for continuous heavy duty.

04 Application-Specific Configuration

Pad type, count, array layout, frame geometry and power setup are engineered for the workpiece.

05 Accumulator + Pressure Monitoring

Low vacuum triggers an alarm and locks release; optional UPS backup can maintain holding vacuum for 6+ hours.

06 ISO 9001 and CE

Certified quality management and product compliance support safe, reliable lifting.

Heavy Duty Vacuum Lifter Applications

Stable handling for large-format steel, stainless steel, glass and fabricated structures



Oversized Glass Handling

40-pad array / 3,000 kg glass-handling application



Heavy Steel Plate Handling

Reinforced frame for stable steel-plate positioning



Large-Format Sheet Handling

Balanced suction across extended sheet surfaces



Vehicle Body Panel Handling

20-pad system / up to 2,000 kg body-panel handling



Stainless Steel Plate Handling

8-pad application / up to 8,000 kg stainless plate



Production-Line Plate Transfer

Efficient separation, loading, stacking and transfer