

HERCULES

COLUMN LIFTERS



HERCULES

Hercules lifting columns are designed for handling drums, containers, Intermediate Bulk Containers (IBCs/Bins) and small machines like pneumatic conveyors, mills and calibrators. They are available in different models:

- Hercules Mini with useful capacity up to 300 kg (500 kg with upper support).
- Hercules Midi with useful capacity up to 1,000 kg.
- Hercules Maxi with useful capacity up to 2,000 kg.

Hercules Mini, Midi and Maxi are available also in the Mix version, combining lifting and blending.



Aries system to lift and invert drums



Customised lifting arm for drums



Aries system to lift/blend bins on Hercules Mix version

- MAIN MOTOR POSITIONED AT THE BASE OF THE COLUMN FOR EASIER MAINTENANCE.
- LIFTING SYSTEM: CHAIN EQUIPPED WITH LOAD CELL TO STOP OVERLOAD.
- CERTIFIED *BLOCSTOP*[™] TO STOP THE ARM IN CASE OF FAILURE.

LIFTING COLUMNS

Hercules lifting columns have reduced dimensions, a very simple design and accurate finishing for easy cleaning operations. They can be self-standing columns fixed to the floor to lift loads lower than 300 kg on the Mini column and 600 kg on the Midi one, while for higher loads an additional upper support for ceiling/wall anchoring is needed. The lifting action is given by a high resistance chain (more than 6 times the nominal load).

Both systems are connected to the lifting arm by means of the certified safety braking system called *blocstop*[™], holding up the load in case of emergency.

The columns are also provided with a load cell weighing system monitoring that the weight of the load does not exceed the maximum allowed.





HOLDING SYSTEMS

THE LIFTING ARM CAN BE COMPLETED BY DIFFERENT HOLDING SYSTEMS:

- HOLDING PLATFORM FOR IBCs (BINS).
- LOCKING SYSTEM FOR DRUMS.
- HORIZONTAL PIPES "ARIES SYSTEM" FOR LIFTING AND BLENDING BINS OR LIFTING AND INVERTING DRUMS.
- CUSTOMISED HOLDING AND/OR BLENDING SYSTEMS FOR SPECIAL CONTAINERS OR OTHER MACHINES (PNEUMATIC CONVEYORS, SIEVES, MILLS, ETC.).
- AS OPTIONS, THE MANUAL OR AUTOMATIC ROTATION OF THE COLUMN AND/OR OF THE CONTAINER TO BE LIFTED CAN BE ADDITIONALLY SUPPLIED.



Hercules Midi with cone for Ghibli

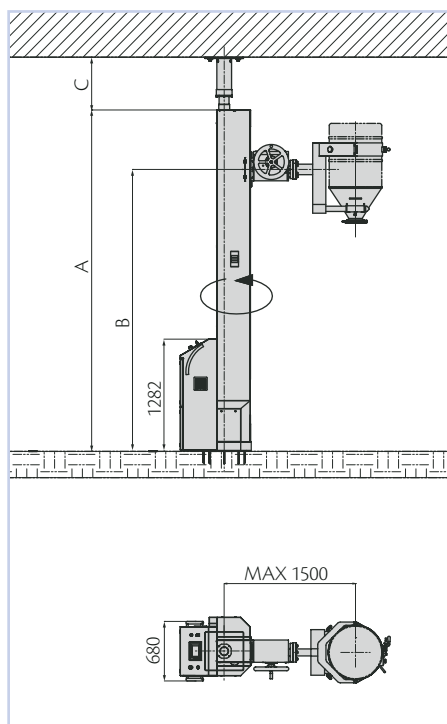
CONTROL PANEL

The control panel is integrated in the column frame and allows machine operation, working cycles programming, display of process parameters and alarms. A remote control panel for wall installation can be also supplied.

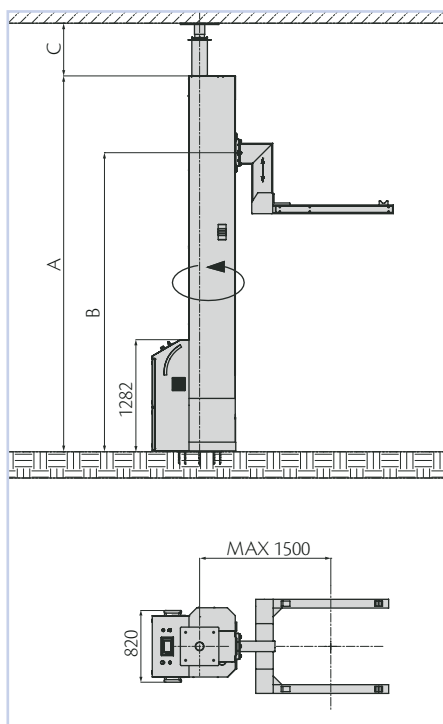


HERCULES TECHNICAL DATA

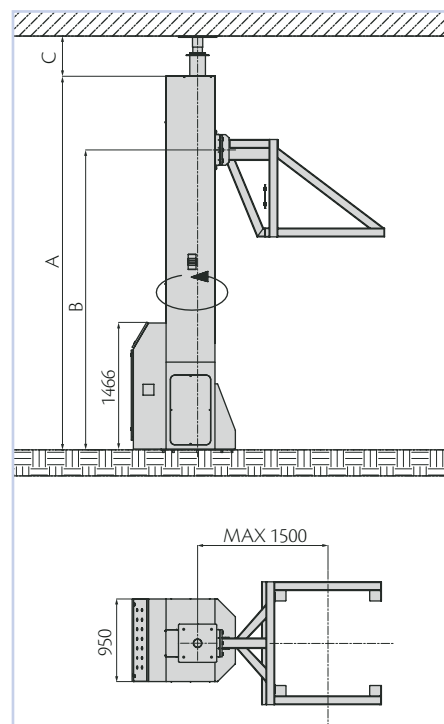
HERCULES MINI



HERCULES MIDI



HERCULES MAXI



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	HERCULES MINI			HERCULES MIDI			HERCULES MAXI		
Maximum load capacity for lifting (kg)	500			1,000			2,000		
Maximum load capacity for blending (kg)	-			200			1,000		
Lifting/lowering speed (m/sec)	0.09			0.1			0.05		
Power supply	400 V – 50 Hz – 3 phase AC								
Electric power installed - lifting (kW)	1.5			3			4		
Electric power installed - arm rotation (kW)	0.55			0.75			1.5		
Electric power installed - column body rotation (kW)				0.18					
Electric power installed – mixing/lifting (kW)	-			8.7			16		
Mixing speed (rpm)	-			4 ÷ 8					
Empty machine weight (kg)	750			1,600			2,600		
Full-load machine weight (kg)	1,250			2,600			4,600		
A (mm)	3,400	3,900	4,300	3,600	3,900	4,300	3,900	4,300	5,000
B (mm)	2,720	3,220	3,620	2,720	3,020	3,420	3,050	3,450	4,150
C (mm)	Min. 200 – Max. 700 (optional)						Min. 200 – Max. 700		



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IMA S.p.A. reserves the right to make any changes to the described machine characteristics.