



FR-V

**FAMATEC**  
*Friendly*

When practicality and innovation unite,  
then utility takes on a new dimension, and  
becomes **INDISPENSABLE**.

**FAMATEC Friendly** represents a perfect  
conjugation of design and technology.

The valorisation of human resources,  
continuous search for the best solution,  
operative flexibility, ergonomics and an  
obsession for detail, are our values.  
Going beyond the customary to establish a  
new benchmark.



Famatec  
Friendly

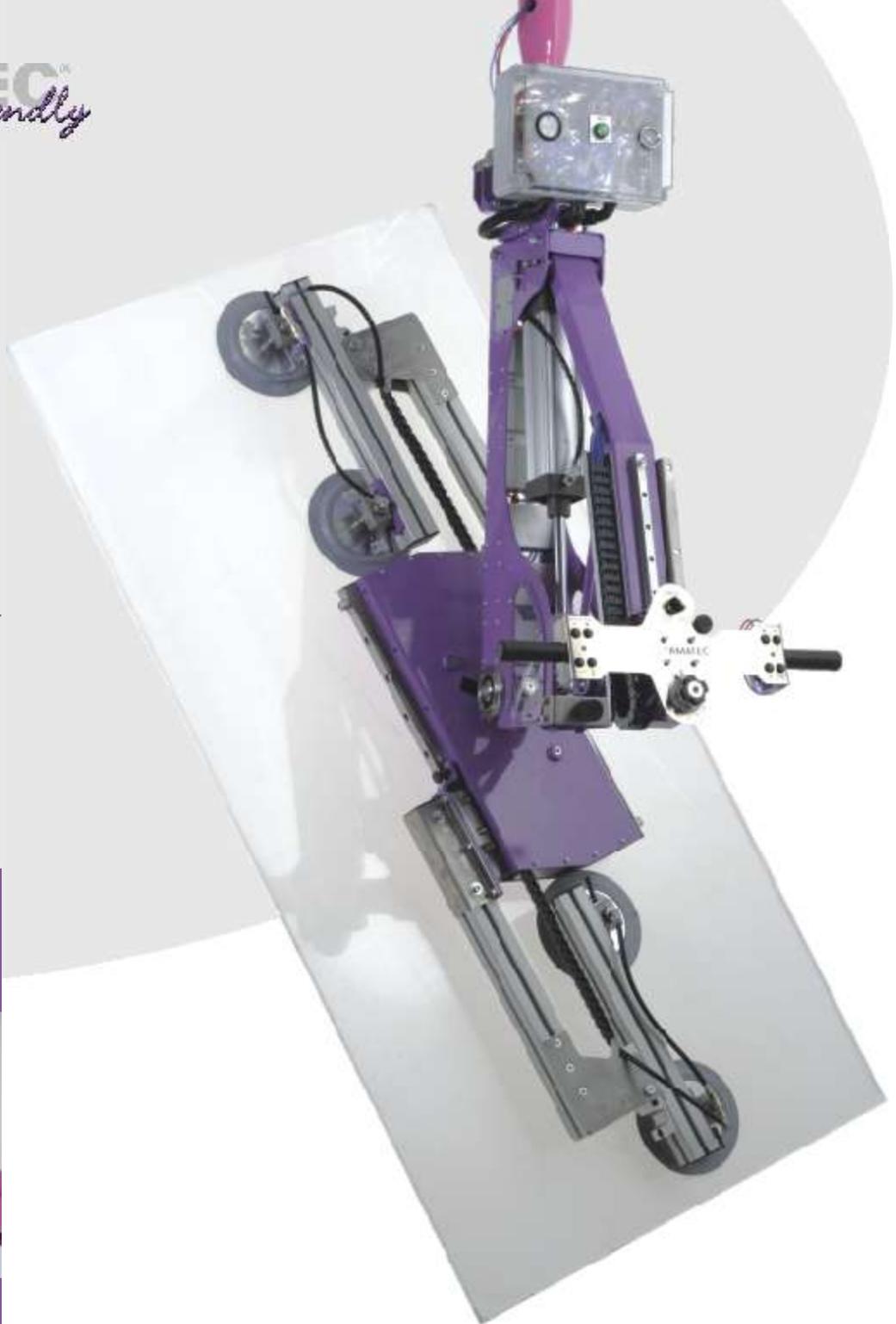


Famatec  
Friendly  
Philosophy





**Famatec Friendly** is an innovative product that has flexibility as its main advantage. Adapting to any handling need (working height or geometry of the load to be handled), Friendly combines unique practicality with fundamental benefits in reliability, safety and price, all offered by industrialization of the product. Ergonomics, simplicity itself in use and natural movement are the essence of **Famatec Friendly**. Supplied with compressed air only, the suction pad grip system offers a quick and safe hold on the part to be handled, adapting with many and rapid adjustments to any shape. Perfect load balancing allows movement either through the practical and ergonomic console or directly "hands on" the product.



**Absolute  
practicality**



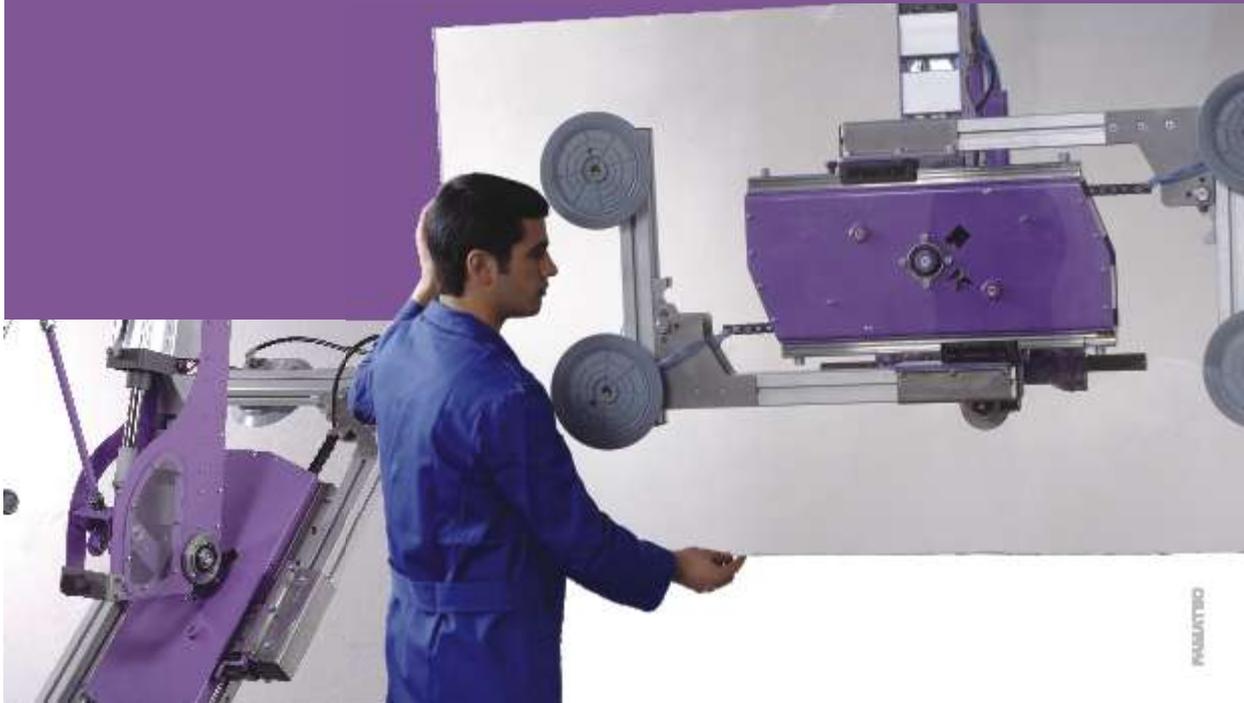
## Ergonomics and flexible use

**FAMATEC Friendly** is fitted with a console that's unique in its kind: ergonomic, harmonious in style and pleasant to use. The controls are all simply and intuitively arranged and the operator feels at ease right from the start. He'll be able to exploit all functions to their best and to guide the product safely in any direction with minimum effort.

The console can slide along the handle to adapt to the many working situations, letting the operator choose the position that's best for him.



On the console are the controls that adjust the balancing forces to counteract the weight of the product to be handled, and a brake switch that when used, locks the **FAMATEC Friendly** where it is; this allows us to park the equipment at cycle end after use and if necessary carry out further processing on the suspended product.



## Product gripping

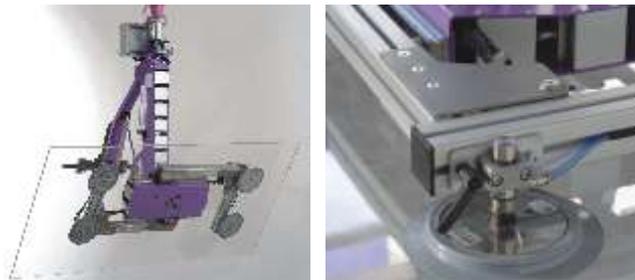
Product gripping is quick and safe, thanks to the suction pads, controlled by a highly efficient vacuum system.

**FAMATEC Friendly** can handle various product geometries; the suction pads can be quickly adjusted in both directions and/or aligned to take up very long and narrow products.

Product release is safe; a special FAMATEC safety device supports the product until it reaches destination before allowing release, avoiding accidents due to incorrect



## Product tilting





Using the two handy controls on the console you can tilt the product to the required angle, with smooth progressive action.

The operator can tilt the product from 0° to a maximum of 93°, quickly, efficiently and in complete safety. The maximum tilting angle can be varied and adjusted, speeding up the working cycle in the case of load positioning on inclined carriages.

To maximise safety and avoid the operator being struck by the product during tilting, the console moves smoothly, bringing the operator near the load or moving him away from it as necessary.

from 0° to 93°



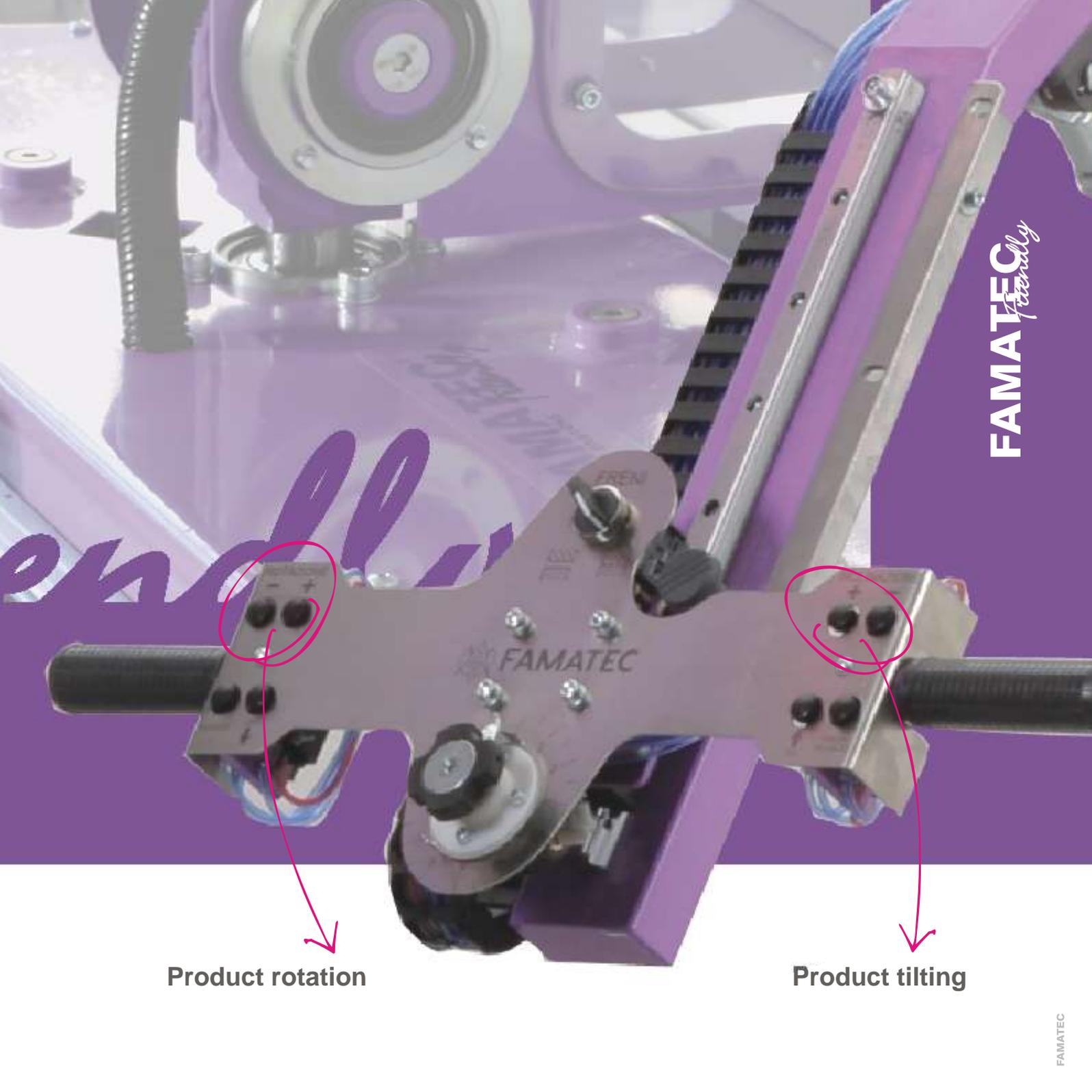
## Product rotation

Product rotation using the gripping system is free and continuous round the axis, thanks to a rotary coupling that avoids twisting the air connection. If product rotation with respect to the gripping tool is needed, the console has practical controls for smooth and progressive pneumatic rotation to the needed position. The operator can rotate the product quickly and efficiently under compressed air power from 0° to 180° while carrying out other operations, thus greatly speeding up the working cycle.



*Fri*





**FAMATEC**  
*family*

**Product rotation**

**Product tilting**



## Famatec Friendly in the working environment.

**FAMATEC Friendly** can integrate perfectly with the working area where it is positioned. There are many available solutions, and all can be customised on request: column-mounted on a base fixed to the floor, hanging from the ceiling to cover a substantially circular area, a solution with a self-standing base that can be lifted with a fork truck or transpallet to allow easy manipulator positioning, or an overhead system mounted on the user's own or Famatec-supplied supporting structures. For those who need to operate over a large working area, **FAMATEC Friendly** has developed an overhead track-mounted solution allowing agile and precise movement over long distances.





## Accessories



There's a wide range of accessories for **FAMATEC Friendly**, that can satisfy any need. From quick suction pad adjustment with recirculating ball slides, to a suction pad kit for handling products with very rough surfaces. We also have accessories to customise the unit as to the type of working environment, such as special filters for dusty conditions, or self-standing bases for rapid shift using a transpallet or fork truck.



# Data on the product to be handled

**Product types:** glass, metal sheet, timber panels, marble slabs, flat products in general

## Maximum weight:

150 kg (FR-V150)  
250 kg (FR-V250)

## Minimum size:

1250x450  
(800x600)

## Maximum size:

4000x2500

## Narrow products:

300x4000

## Travel allowed:

**Manual rotation:**  
continuous

## Pneumatic rotation:

180°

## Tilting:

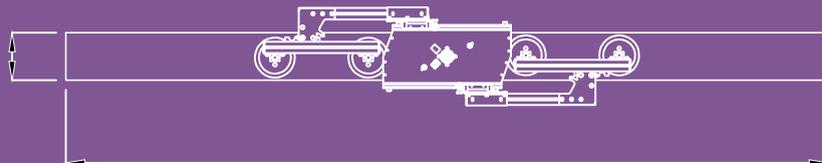
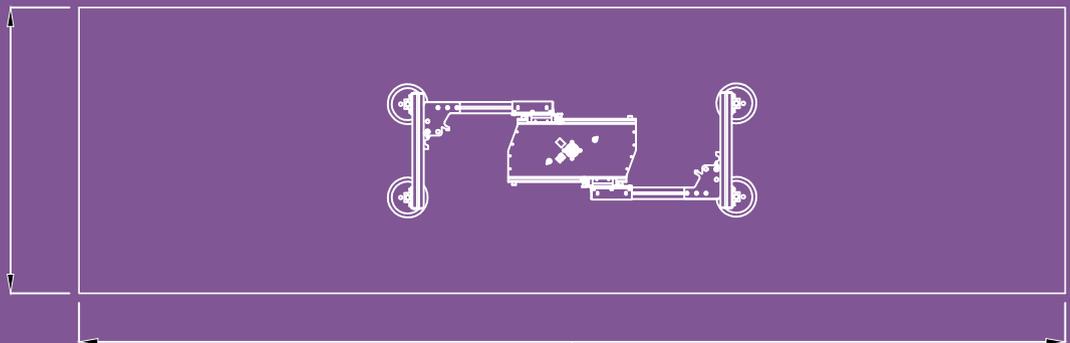
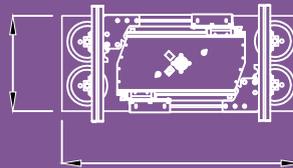
90° adjustable

## Pad adjustment

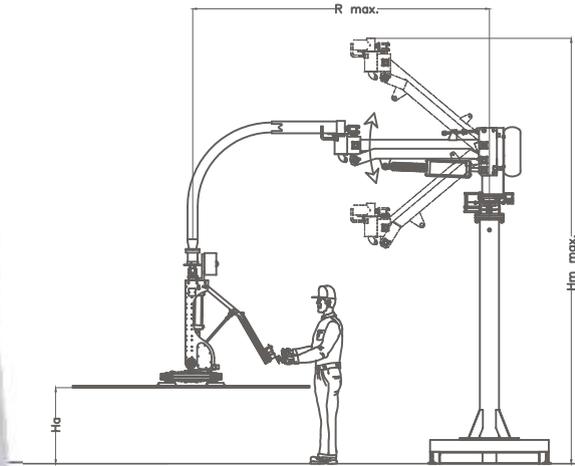
as to length and width

## Pad type:

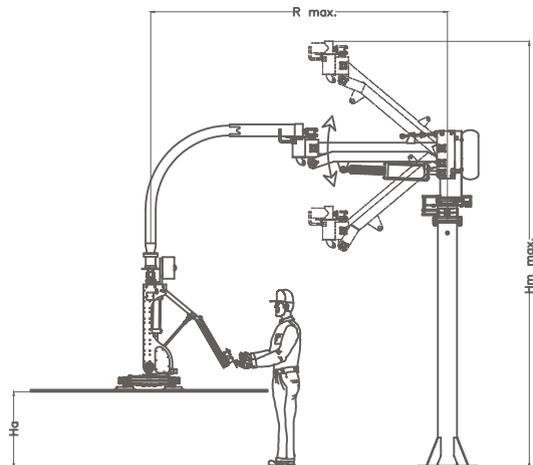
double lip.



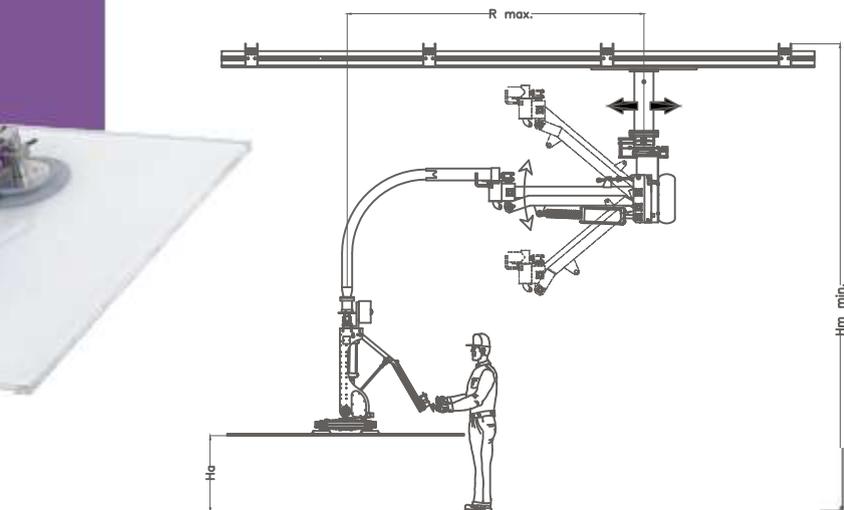
# Friendly FR-V data



SELF-STANDING BASE			
	FR-V150	FR-V 250	FR-V 400
R max.	3000	2500	2500
Ha	0 - 1600	0 - 1450	0 - 1600
Hm max.	4350	4100	4400

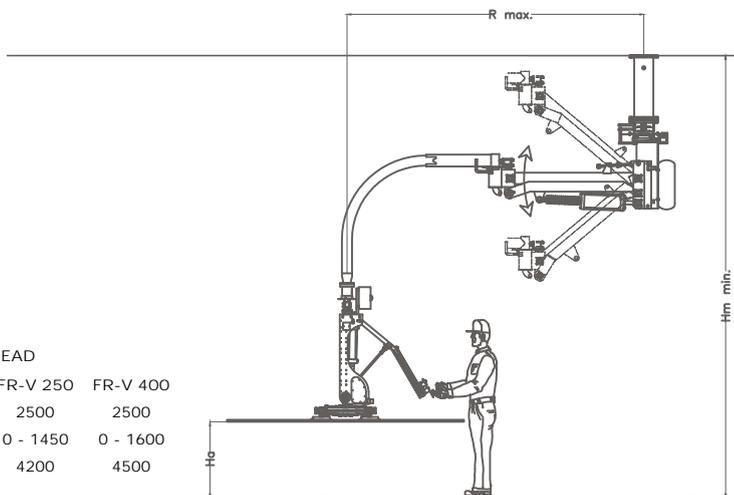


COLUMN MOUNTED			
	FR-V150	FR-V 250	FR-V 400
R max.	3000	2500	2500
Ha	0 - 1600	0 - 1450	0 - 1600
Hm max.	4350	4100	4400



### OVERHEAD ON RAILS

	FR-V150	FR-V 250	FR-V 400
R max.	3000	2500	2500
Ha	0 - 1600	0 - 1450	0 - 1600
Hm min.	4675	4400	4800



### OVERHEAD

	FR-V150	FR-V 250	FR-V 400
R max.	3000	2500	2500
Ha	0 - 1600	0 - 1450	0 - 1600
Hm min.	4475	4200	4500



[www.famatec.com](http://www.famatec.com)

## References

### They have already choose us

ABB  
AERMEC  
AKZO NOBEL  
AUDI  
BASF CHEMICAL  
BAYER  
BENTELER  
BMW  
BOSH  
BP ITALIA  
BREMBO  
CASE  
CATERPILLAR  
CHRYSLER JEEP  
COMAU  
EDAG  
ELECTROLUX  
FIAT  
FONDERIE MAZZUCCONI  
GALBANI  
GENERAL MOTORS  
GKN FAD  
IBM  
INA  
INDESIT  
IRISBUS  
ITT INDUSTRIES  
IVECO  
JACUZZI EUROPE  
JHONSON CONTROLS  
KUKA  
LAND ROVER  
LINDE  
LUXOTTICA  
MASTERFOODS  
MERCEDES  
MERLONI  
MIELE  
MONDADORI  
NESTLE'  
NISSAN  
PIAGGIO  
PININFARINA  
PIRELLI  
PORSCHE  
PROCTER & GAMBLE  
RENAULT TRUCKS  
SACMI  
SAINT GOBAIN  
SCHWEPPES  
SEAT  
SHARP  
SHELL ITALIA  
SIEMENS  
TECNOGYM  
TEUCO  
TOSHIBA  
TOYOTA  
TRENITALIA  
VOLKSWAGEN  
ZEUNA STAERKER  
And many more...

# Friendly

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