



FR-M

English

FAMATEC
Friendly

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

FAMATEC Friendly FR-M 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**[®]
HANDLING SOLUTIONS *Friendly*

Famatec
Friendly



Famatec
Friendly
Philosophy



FAMATEC Friendly FR-M 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 FR-M 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 FR-M**. Supplying power exclusively with compressed air permits a firm and rapid grip of the piece to be moved through a claw/expander system, which can adapt itself to all geometrical shapes. The practical console permits rapid and precise movements.

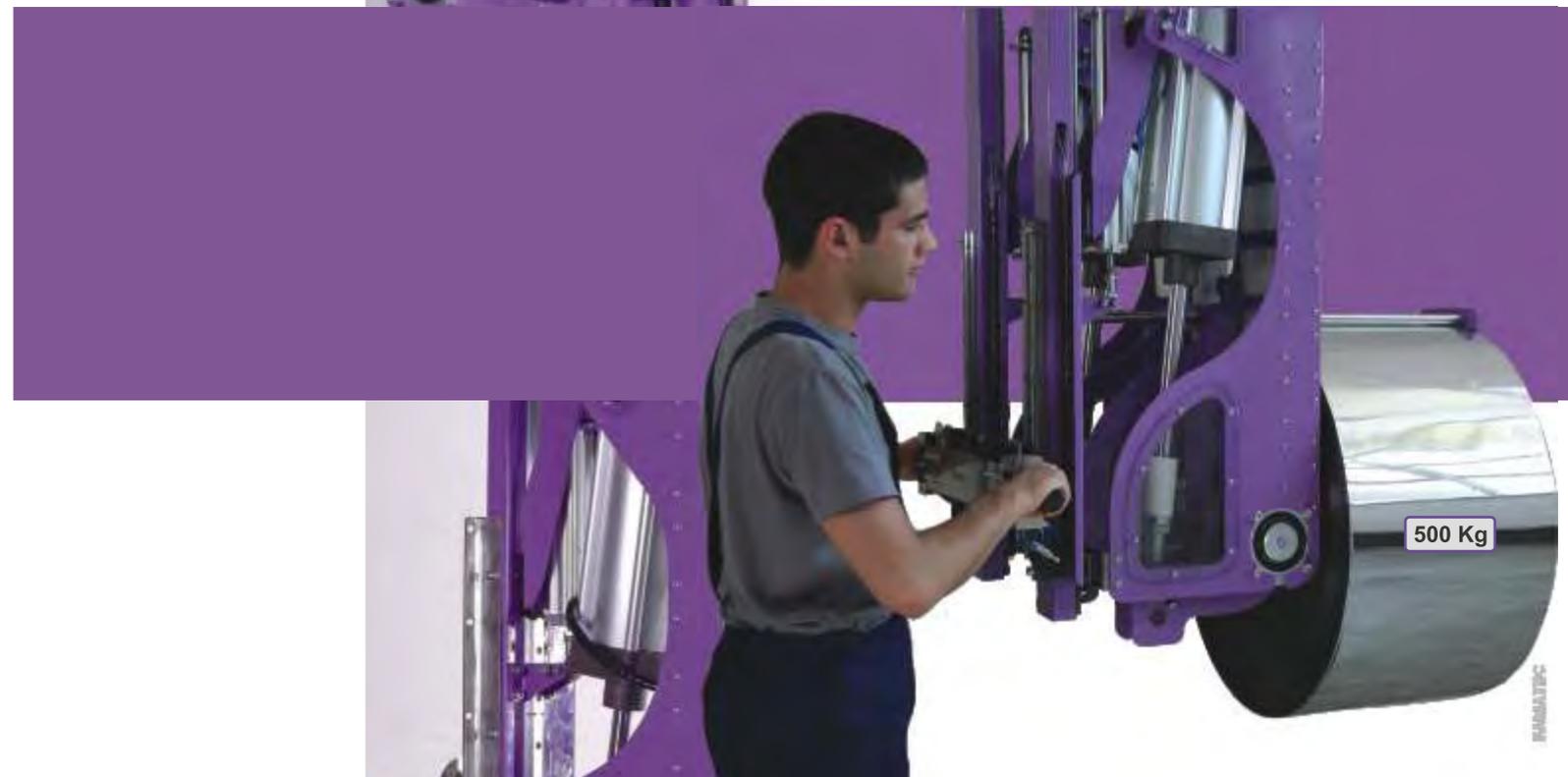
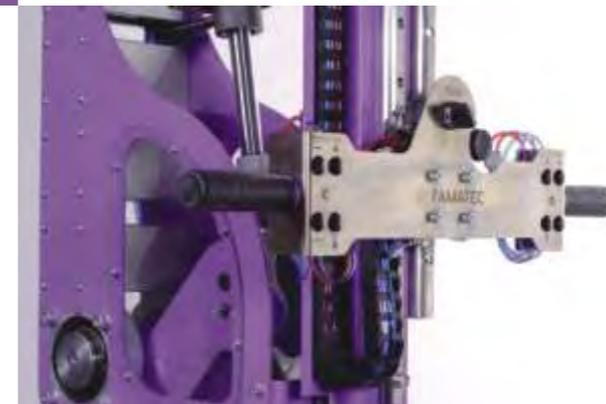


Absolute Practicality



Ergonomics and flexible use

FAMATEC Friendly FR-M 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 better adapt itself to countless working situations, and the same handle is equipped with an extra pneumatic runway that permits the operator to choose the most comfortable position even in release situations as close as 2 meters. The product gripping and release commands are located on the console, as well as the commands for inclination and pneumatic handle movement.



500 Kg

Product Gripping

FAMATEC Friendly FR-M is able to grip the spool through an expander for internal gripping and through a claw for external gripping. Once a gripping system is chosen, the other is available as an accessory. Both are interchangeable and can be adapted to any needs of the client. Product release is safe; a special **FAMATEC** safety device supports the product until it reaches destination before allowing release, avoiding accidents due to incorrect operation.



Using the handy controls on the console you can tilt the spool to the required angle, with smooth progressive action. The operator can tilt the spool from **0° to a maximum of 93°**, quickly, efficiently and in complete safety.



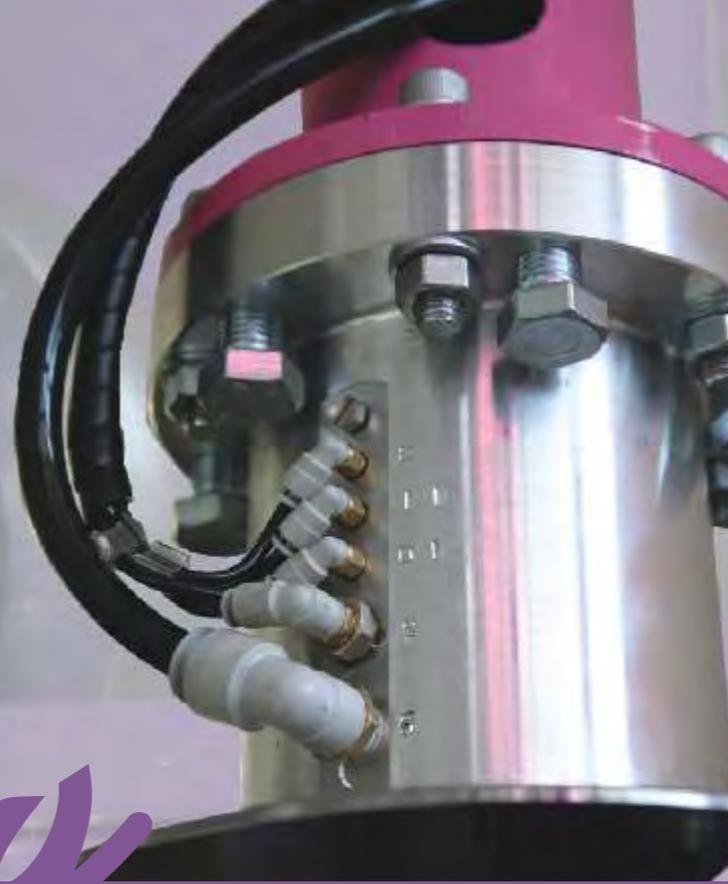
Product tilting

from 0° to 93°





Friendly

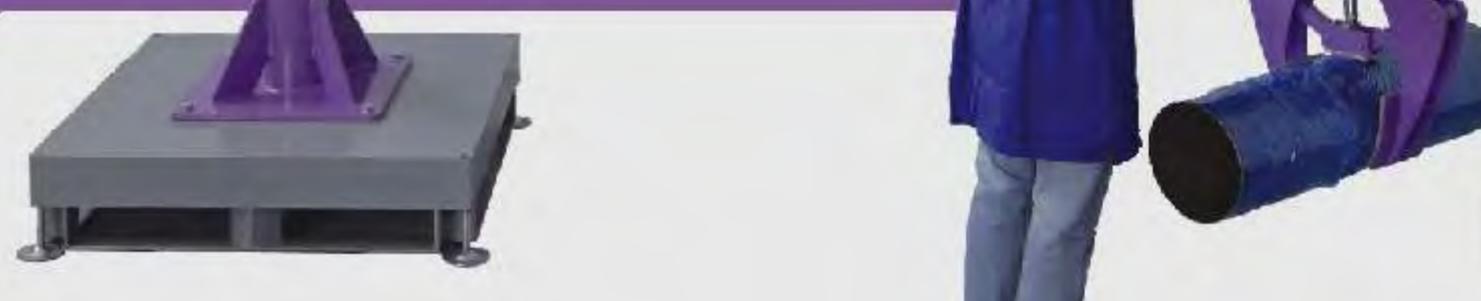


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Famatec Friendly in the working environment

FAMATEC Friendly FR-M 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 FR-M** 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 FR-M**, that can satisfy any need. From the external gripping system with expander and claw, to the sliding handle with its re-circulating ball slide guide, to the extra pneumatic runway of the handle for deposits at heights of up to 2 meters.

We also have accessories to customise the unit as to the type of working environment, such as self-standing bases for rapid shift of the manipulator using a transpallet or fork truck.



Data on the product to be handled

Product type: all types of spools, tubes

Maximum weight:

120 Kg (FR-M120)

250 Kg (FR-M250)

500 Kg (FR-M500)

Gripping parameters:

- Expander

D max: 1000 mm

Dia int: 76-102-156 mm

- Claw

D min: 200 mm

D max: 500 mm

Permitted movements:

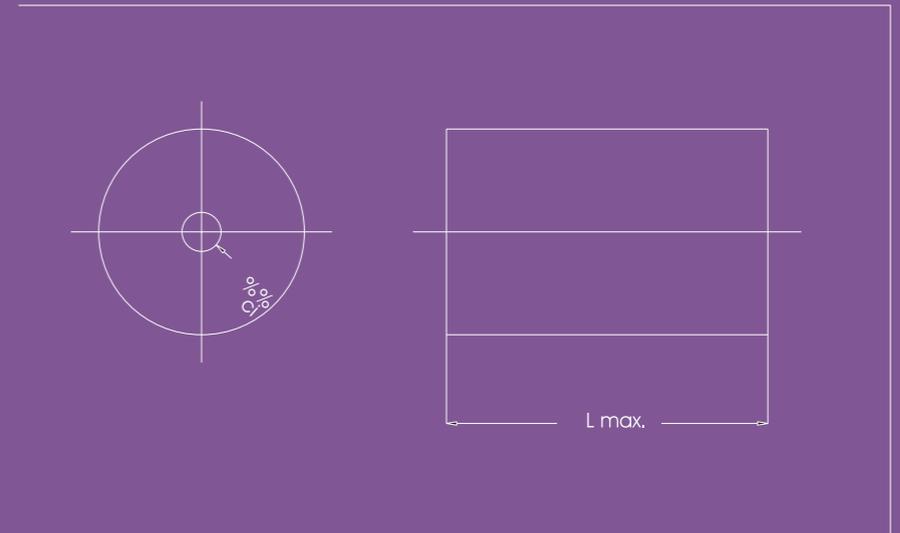
Manual rotation: continuous

Inclination: 0-93° adjustable

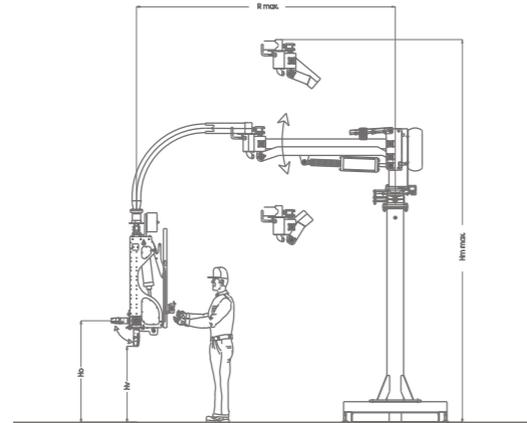
Gripping type:

Internal expander

External gripping claw



Friendly FR-M data

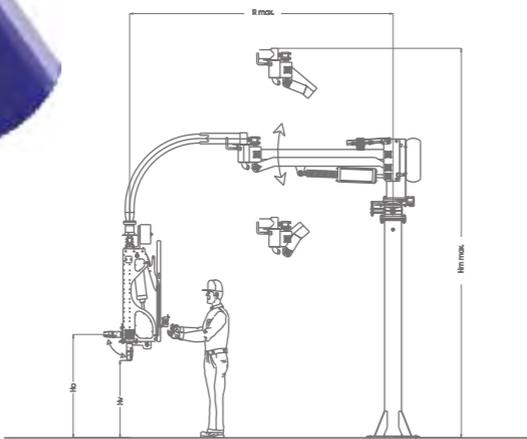
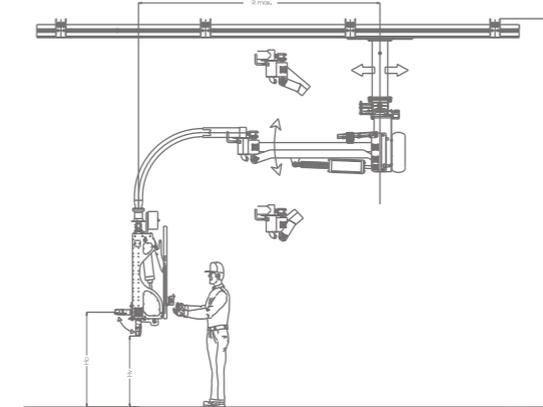


SELF-STABILIZING BASE

	FR-M 120	FR-M 250	FR-M 500
R max mm	3000	2750	3000
Hv mm	0 - 1825	0 - 1475	0 - 1725
Ho mm	230 - 2130	315 - 1765	265 - 2015
Hm max.	4500	4200	4500
Maximum capacity	120	250	500

SLIDING

	FR-M 120	FR-M 250	FR-M 500
R max mm	3000	2750	3000
Hv mm	0 - 1825	0 - 1475	0 - 1725
Ho mm	230 - 2130	315 - 1765	265 - 2015
Hm min.	4800	4400	4800
Maximum capacity	120	250	500

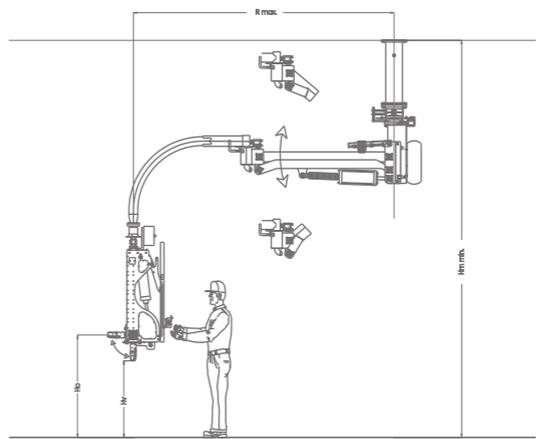


COLUMN

	FR-M 120	FR-M 250	FR-M 500
R max mm	3000	2750	3000
Hv mm	0 - 1825	0 - 1475	0 - 1725
Ho mm	230 - 2130	315 - 1765	265 - 2015
Hm max.	4500	4200	4500
Maximum capacity	120	250	500

OVERHEAD MOUNT

	FR-M 120	FR-M 250	FR-M 500
R max mm	3000	2750	3000
Hv mm	0 - 1825	0 - 1475	0 - 1725
Ho mm	230 - 2130	315 - 1765	265 - 2015
Hm min.	4500	4200	4500
Maximum capacity	120	250	500



References

They have already choose us

ABB
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AKZO NOBEL
AUDI
BASF CHEMICAL
BAYER
BENTELER
BMW
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BP ITALIA
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CHRYSLER JEEP
COMAU
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And many more...

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