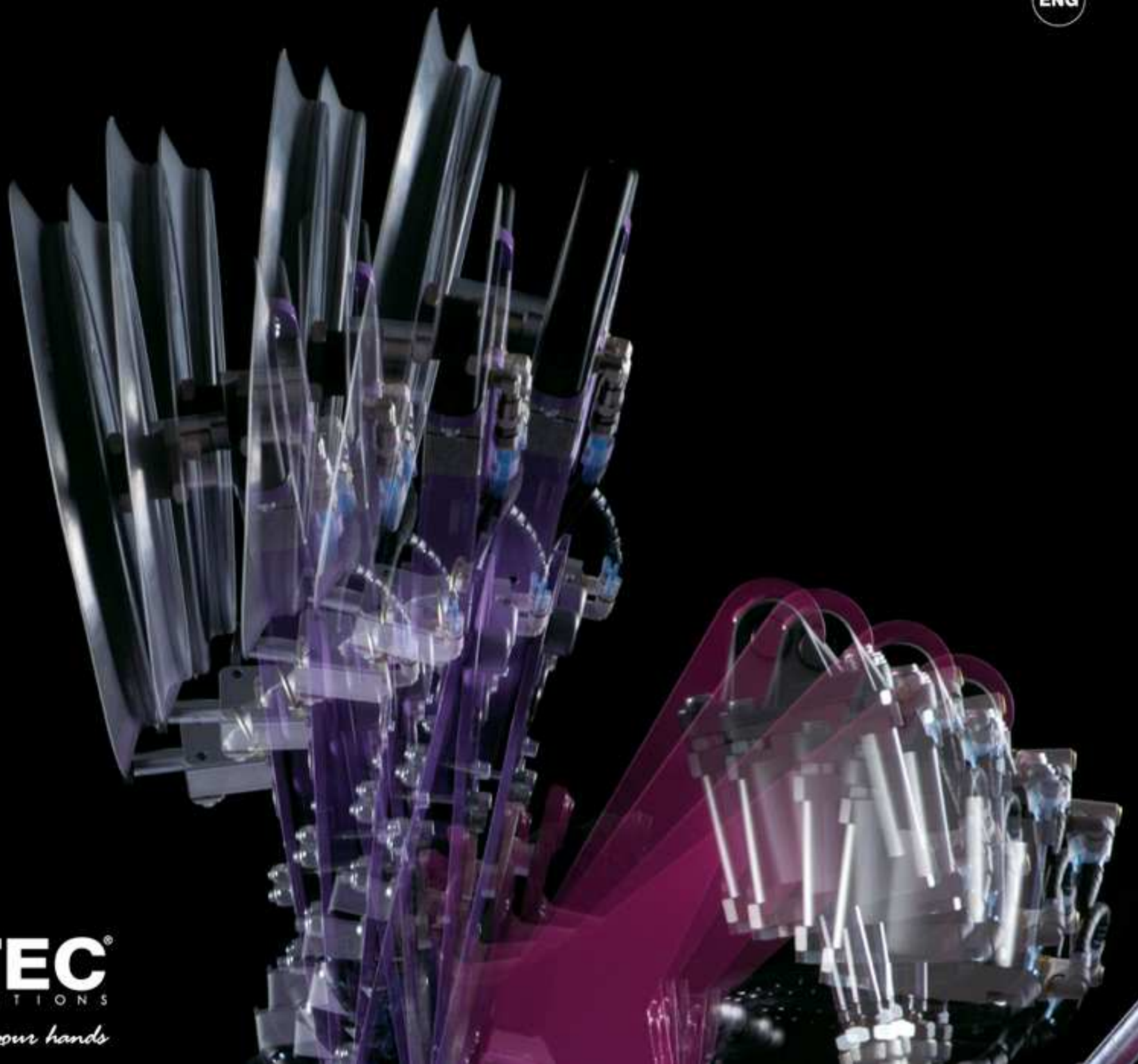




Friendly

Gingo



de- sign



Gingo

This permits movement and installation of heavy and cumbersome panels on the worksite. Compressors and rechargeable batteries guarantee autonomy for the entire working day. It uses compressed air and displaces vertically with or without load. Also suppliable with electric drive.

KG

250
350

functional

Capacity

KG

60
150
250
400
500

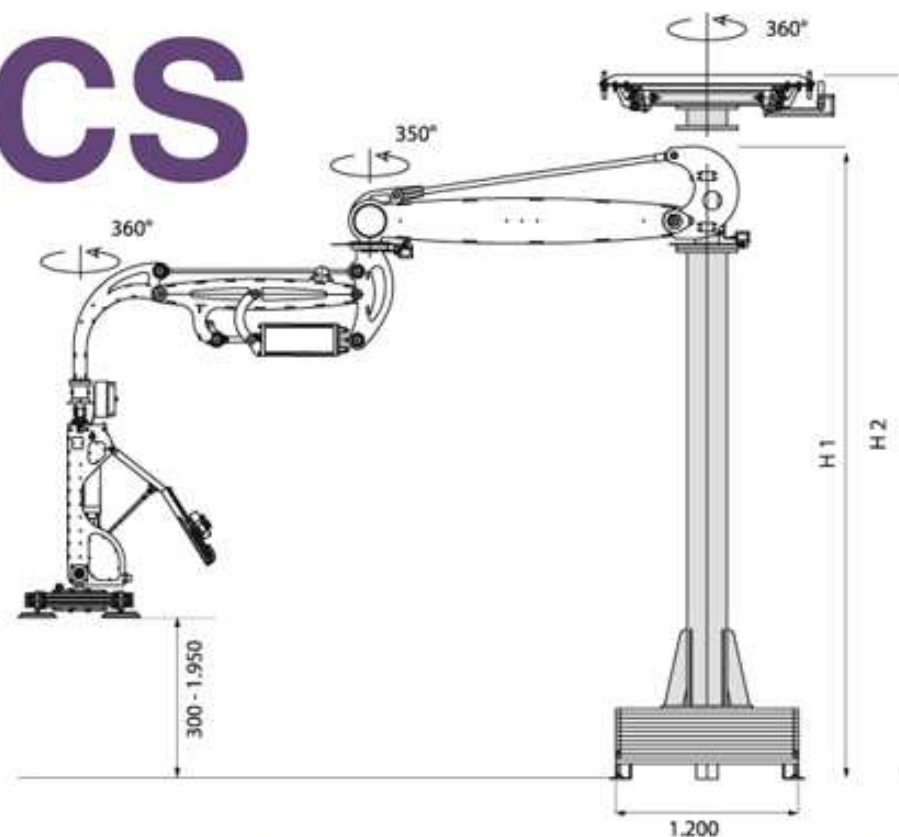


Friendly

This is an indispensable worktool, created for rapid movement of panels in horizontal and vertical planes as well as in rotation. It is well-suited for charging or discharging of work-centres, work-benches and production lines. It requires compressed air (6-8 MPa) as its sole energy source and is capable of moving in the X-Y-Z axes under load as well as empty.



ergo- nomics



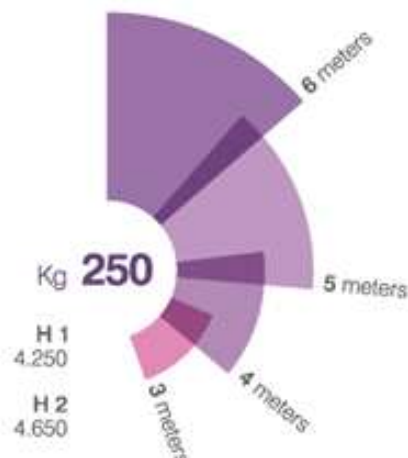
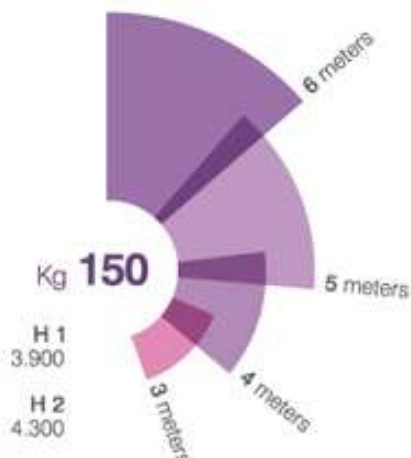
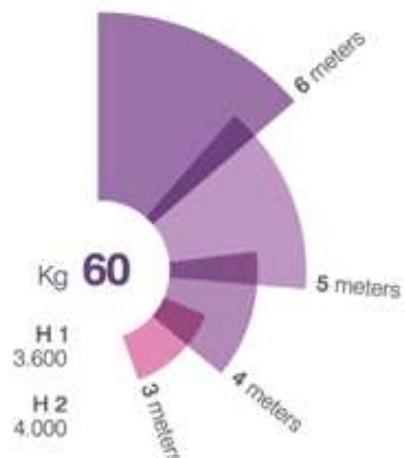
Movement of panels

Friendly 60	min. 250x800	max 1200x2200
Friendly 150	min. 250x1000	max 2200x3000
Friendly 250	min. 300x1000	max 2200x4200
Friendly 400	min. 300x1000	max 2200x4200
Friendly 500	min. 300x1000	max 2200x4200

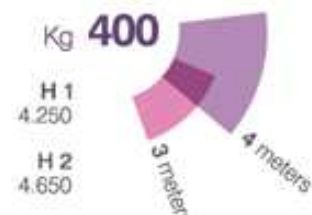
Friendly

Equipped with a modern operating console, it displaces vertically with pneumatic unlocking. Adjustable for different working heights and operators. Design and ergonomics were executed with attention to small detail. Operating console is placed on an articulated bracket to maintain the operator at the correct distance from the load during movement.

Lifting capacities and working ranges



column fixed on the floor
column fixed on transpallet execution
column fixed on mobile base with electrical motor
overhead (fixed)
moving gantry in top-running version (bridge crane)
motorised on request.



Features

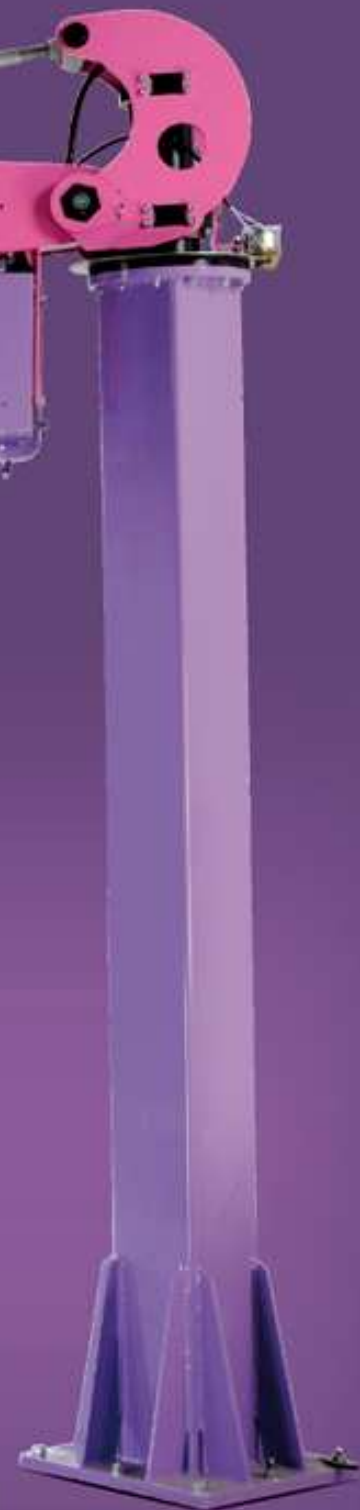
Friendly allows servo-driven movements of:
frontal inclination from 0 to 93°
rotation from 0 to 90° or 0 to 180°
(depending on model type)
Complete overturn of 180°
(depending on model type)



flexi- bility

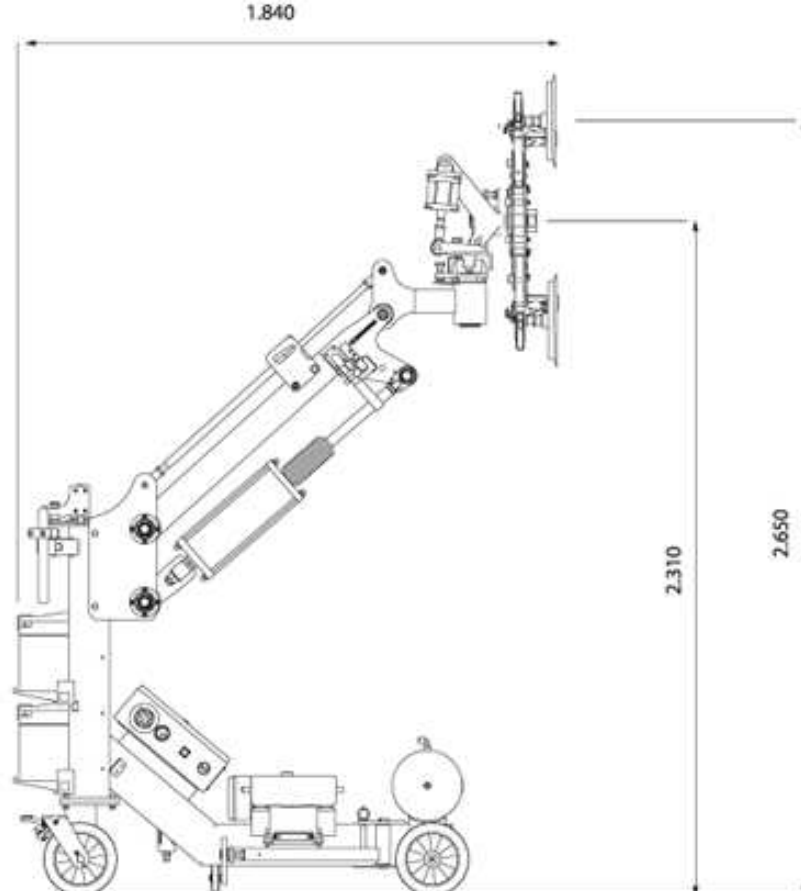
Friendly and Gingo are equipped with suction pads that are adjustable in various directions and individually selectable (depending on type), thus allowing movement of panels of varying shape and size. A pressure regulator on the operating console permits easy load calibration from zero to maximum. Friendly has disc brakes on all rotation axes for stationary use of load as well as for rapid work on panels held by manipulator.

Friendly



productivity

Friendly allows proper use of human resources, improves productivity of the workplace, heavily reduces operator fatigue and adapts to personnel of varying skill. A single operator is capable of moving cumbersome panels with ease while protecting the products to be carried.



Technology and design

Friendly e Gingo unite reliability with harmony of form and movement in pursuit of a modern and well organised workplace.

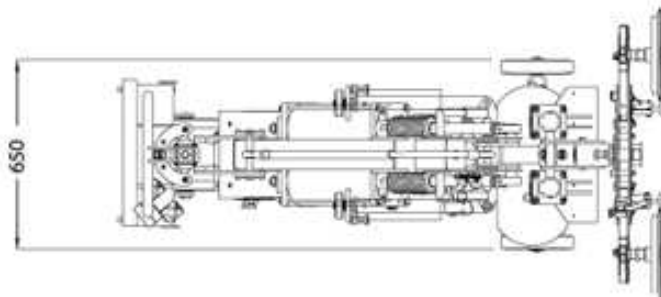
Working ranges of Gingo

Kg **250**

Can be knocked down quickly for ease of movement between building site levels or floors.

Kg **350**

in classic version



Movement of panels

Gingo 250 min. 300x1000 max 2000x4000

Gingo 350 min. 300x1000 max 2000x4000

Features

allows to do assisted movements like:
frontal inclination of $-10^{\circ} + 10^{\circ}$ and
frontal manual rotations up to 270°
Side rotation of 135° , lateral displacement
of 150 mm



saf- ety

The pneumatic double circuit of Friendly and Gingo allows movement of panels only if the grip is secure, even during faulty operation or during sudden lack of air. The panel is placed gently on the ground without any danger to the operator. Gingo also has parking brakes and lateral stabilizer pads, the latter of which protect against tipping.

Gingo

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Friendly

Gingo

Vaquo

Effim

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