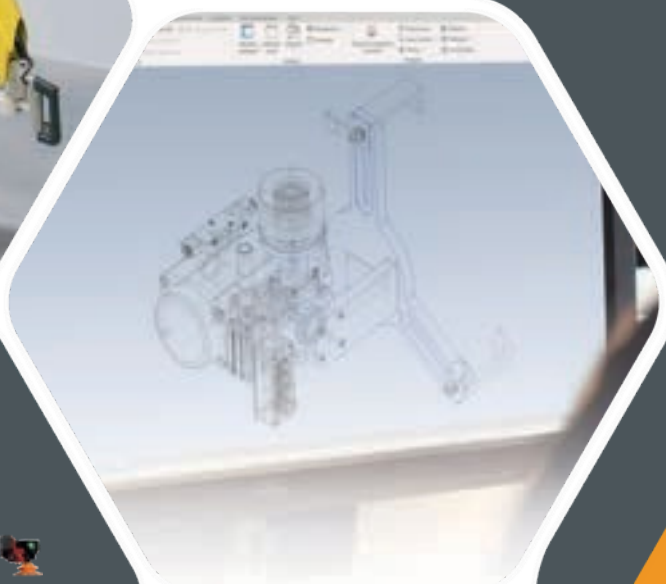


FRENCH  
DESIGN  
FABRICATION



# INDUSTRIAL MANIPULATORS & GRIPPERS



## NOTES



Inmasys designs and manufactures a complete range of industrial manipulators and grippers in France. Our design office supports you in the design and production of your handling equipment or the improvement of the ergonomics of your workstations. Our workshop provides maintenance for all types of manipulators and grippers.

## ■ Zero Gravity Load Manipulators

Our range of electric, pneumatic or hybrid manipulators with self-balancing load compensation cover your handling and lifting needs for all types of parts in all types of environments.

## ■ Grippers

Thanks to our design office, we design tailor-made grippers and improve the ergonomics of our customers' workstations. We adapt to your handling problems and offer you unique and innovative solutions. We produce all types of grippers, ranging from simple hooks to magnetic, mechanical, motorized or suction equipment.



Gripper  
with tray



Magnetic  
gripper

## ■ Multi-brand maintenance

We provide maintenance, repair or updating of manipulators and grippers of all brands. In our premises or directly on your site.

## ■ Rental

We offer our manipulators and grippers for short or long term rental up to 60 months.

## ■ Funding

We support you in financing your projects thanks to our network of financial partners.





ELECTRIC AUTO

•  
BALANCED

•  
AUTOMATIC  
BALANCING  
REAL TIME

FRENCH  
DESIGN  
FABRICATION

# The multi-purpose self-powered manipulator

## EXCLUSIVE TECHNOLOGIES

With its exclusive real-time automatic balancing technology, its maximum operating load, its vertical and radius range of superior to all market players, its energy autonomy and its adaptability in less than a minute on any handling machine, LOG1 is popular with the market.

## GRIPPERS

LOG1 can be equipped with a wide variety of grippers adapted to your needs. For more specific requests, our design office develops tailor-made solutions.

## Easy integration on all handling equipment



Forklift  
Truck



Pallet  
Truck



Preparer  
Control

## THE + PRODUCTS

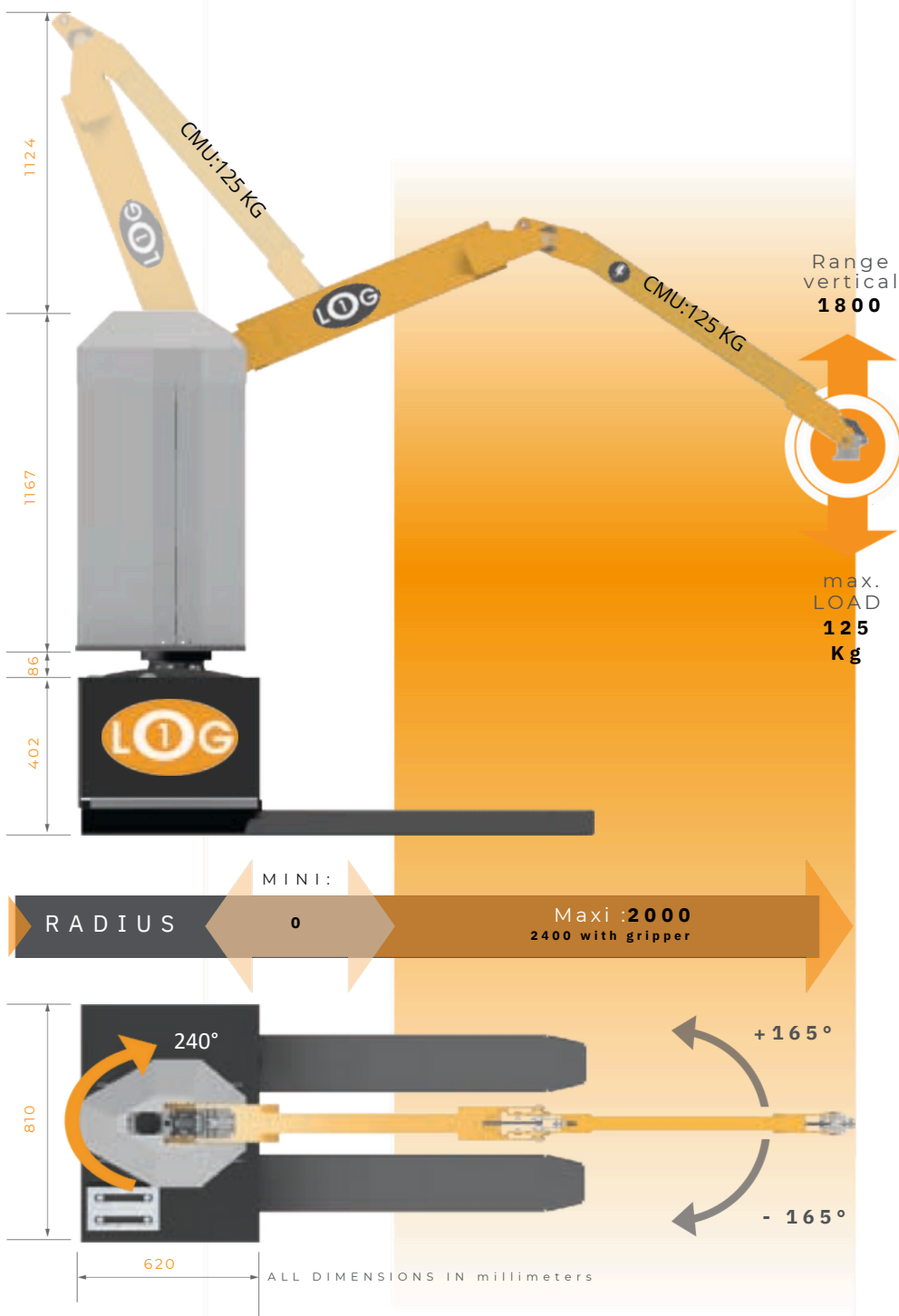
- CMU: 125 kg
- Easy integration on all handling equipment
- 100% electric
- Energy self-sufficient
- Single or double-pallet model

**Available options:** Vacuum pump/Quick tool changer/Additional batteries/Charging station



## TECHNICAL SPECIFICATIONS

OVERALL HEIGHT : **2800**  
with base



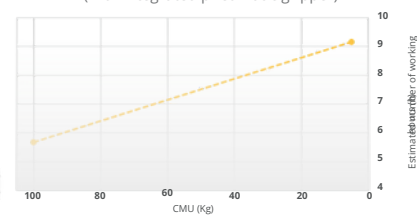
## BATTERY



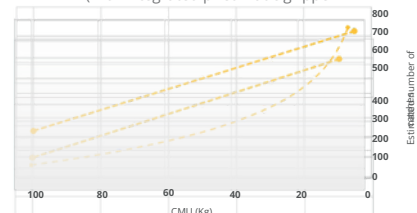
Rechargeable battery and easily interchangeable.

## Autonomy

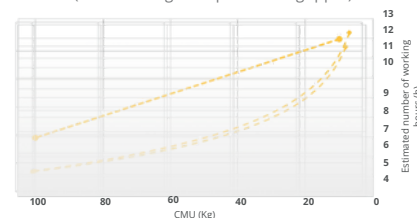
Battery life depending on mass grip [time]  
(with integrated pneumatic gripper)



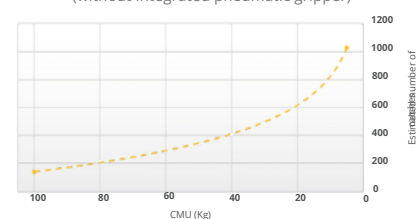
Battery life depending on the mass of grip [number of pieces]  
(with integrated pneumatic gripper)



Battery life depending on mass grip [time]  
(without integrated pneumatic gripper)



Battery life depending on the mass of gripping [number of pieces]  
(without integrated pneumatic gripper)



## Financial conditions :

- Available for rental on 36, 48 and 60 months
- Contact us for any other requests

CHARGE CAPACITY	125 kg
MASS	850 kg
VERTICAL STROKE	1800 mm
RANGE OF ACTION	2000 mm (2400 mm with gripper)
SCOPE OF WORK	4000 mm (4800 mm with gripper)
OVERALL HEIGHT	2800 mm

# Industrial Manipulators FIRST





## The benchmark for carrying heavy loads

The FIRST industrial load handler is designed to meet **all your heavy load handling needs**. It allows you to handle all types of parts **precisely and effort lessly** in a work range of more **than 7 meters**. Several capacities are available : 80, 100, 125 and 250 kg.).

**Its self-balancing rigid arm** guarantees the **security** of the operator by eliminating the swinging movement of the load during handling. It also allows the pick-up and drop-off of a part on a **horizontal axis**.



This manipulator can be equipped with a wide variety of grippers **custom designed** by our Design Office. It improves **the productivity** of your operators by reducing the **arduousness work** and thus contributes to fighting against the appearance of **musculoskeletal disorders (MSD)**.

 ELECTRIC RANGE	 HYBRID RANGE	 PNEUMATIC RANGE
<ul style="list-style-type: none"><li>• High precision and very quiet</li><li>• Automatic real-time balancing</li><li>• Easy to handle</li><li>• Easy power supply : 240V/20A</li></ul> 	<ul style="list-style-type: none"><li>• Versatile</li><li>• Automatic real-time balancing</li><li>• Handling by load</li><li>• Electric or pneumatic grippers</li></ul>	<ul style="list-style-type: none"><li>• Economic</li><li>• Secure manual swing</li><li>• Handling by load</li><li>• Suitable for series</li><li>• Suitable for ATEX zone</li></ul>
Options available: self-stable base / elevation column / quick tool changer / mechanical stop / balance		

OVERALL HEIGHT  
**3 5 1 5** / 3 8 0 2  
 WITH BASE SELF-STABLE



## TECHNICAL SPECIFICATIONS

### 4 VERSIONS :

- FIRST80/3800 up to 80 kg
- FIRST100/3800 up to 100 kg
- FIRST125/3800 up to 125 kg
- FIRST250/3700 up to 250 kg

RANGE  
VERTICAL

**2 1 4 0** /  
**2 0 0 0**



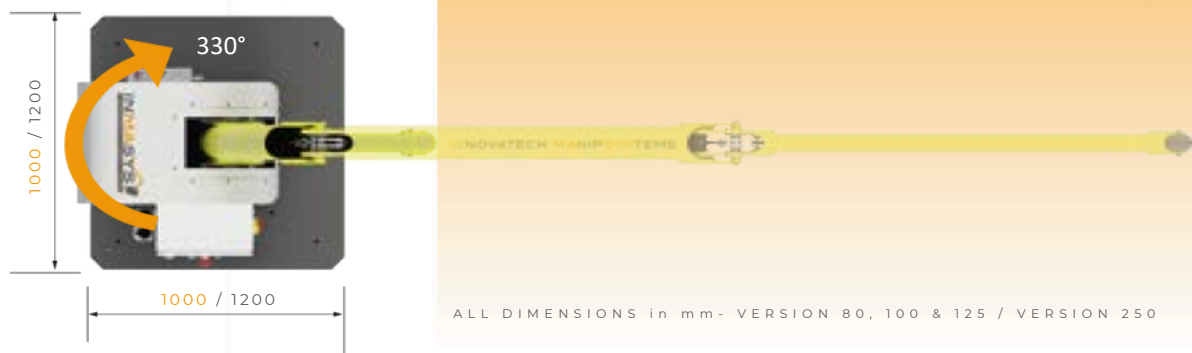
max. LOAD  
125 / 250 kg



**NEW !**

Arm opening/closing with electric assistance for :

- ELECTRIC range
- HYBRID range
- PNEUMATIC range



ALL DIMENSIONS in mm - VERSION 80, 100 & 125 / VERSION 250

CHARGE CAPACITY	80 kg	100kg	125kg	250kg
MASS	600 to 1500 kg	600 to 1620 kg	600 to 1740 kg	1000 to 2850 kg
VERTICAL RANGE	2140 mm	2140 mm	2140 mm	2000 mm
RANGE OF ACTION ALL	3800 mm	3800 mm	3800 mm	3700 mm
HEIGHT*	3602 mm	3602 mm	3602 mm	3802 mm

\*with freestanding base

## LED RING (SAFETY)\* **NEW !**

The indicator is lit when one can stall the load safely.  
 The system turns off when the load is lifted.

\*Available exclusively on the Hybrid model



# Industrial Manipulators COMPACT




## Handling assistance in restricted

With its rigid arm spanning 2 meters and its maximum height of 2.5 meters, the COMPACT manipulator is **the ideal solution for handling loads in a narrow environment**. In fact, its width of 800 mm makes it possible to **pass through doors** and position it in small rooms. It **improves productivity** of your operators by allowing them to lift and move loads up to 125 kg **without any effort**.

**Its self-balancing rigid arm** offers high precision handling without a swinging movement, guaranteeing operator safety. It also allows the pick-up and drop-off of a part on **a horizontal axis**.

This manipulator can be equipped with **a wide variety of grippers** adapted to the constraints of your activities. Our design office also offers **tailor-made solutions**.

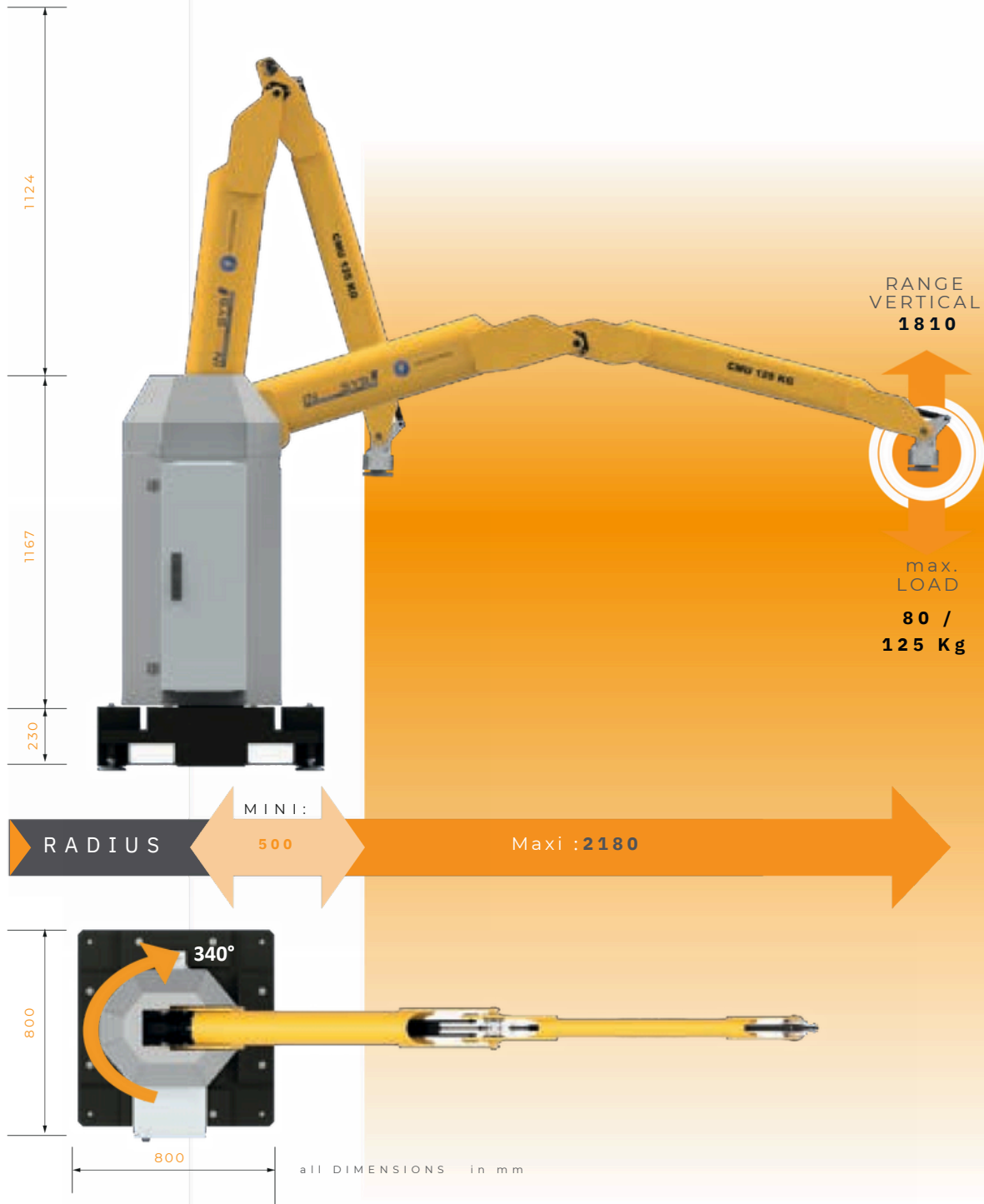


 <b>ELECTRIC RANGE</b> (CMU = 125 Kg)	 <b>HYBRID RANGE</b> (CMU = 80 Kg)	 <b>PNEUMATIC RANGE</b> (CMU = 80 Kg)
<ul style="list-style-type: none"><li>• High precision and very quiet</li><li>• Automatic real-time balancing</li><li>• Easy to handle</li><li>• Easy power supply : 240V/20A</li></ul>	<ul style="list-style-type: none"><li>• Versatile</li><li>• Automatic real-time balancing</li><li>• Handling by load</li><li>• Electric or pneumatic grippers</li></ul>	<ul style="list-style-type: none"><li>• Economic</li><li>• Secure manual swing</li><li>• Handling by load</li><li>• Suitable for series</li><li>• Suitable for ATEX zone</li></ul>
Options available: self-stable base / quick tool changer / mechanical stop / balance		



## ■ TECHNICAL SPECIFICATIONS

overall height : **2 5 2 1**  
with self-stable base



CHARGE CAPACITY	80 or 125 kg
MASS	850kg
VERTICAL RANGE	1810 mm
RANGE OF ACTION	2180 mm
OVERALL HEIGHT	2521mm

## ■ LED RING (SAFETY)\* **NEW !**

The indicator is lit when one can stall the load safely.  
The system turns off when the load is lifted.




\*Available exclusively on the Hybrid model



# Custom-made grippers

## Tailor-made solutions

INMASYS offers a complete range of grippers. Standard or custom-designed, they meet your needs for handling all types of parts.

Customized gripper for cartons	Custom-made gripper with lifting hook	Customized tilting gripper with pneumatic magnet
		

Whatever your request or need, our design office is equipped to respond with precision and efficiency, **creating tools adapted to your specific requirements.**

Foam pad gripper	Customized gripper with mechanical clamp	Customized gripper with omnidirectional tool holders
		



# Mini stacker

## A must for handling at height

The mini stacker is a **compact, lightweight piece of equipment designed to handle light to medium loads in complete safety**. Thanks to its versatility, this equipment is also an ally in increasing **productivity, reducing drudgery** thanks to its **great modularity**. Robust, our mini stackers can lift loads of up to 500 kg.



Mini-stacker  
TMS 85



Mini-stacker  
TMS 125



Mini-stacker  
TMS 55



Mini-stacker  
TMS 65



 **HALDER**

As complementary accessories to our handling tools, we distribute Halder self-locking lifting spindles and spindles for tapped holes.



## FIPA: lifting tubes

Thanks to its **rotating handle**, the **FIPALIFT Max** is easy to use, making it simple, precise and intuitive to move heavy loads. **With a lifting capacity of up to 149 kg**, it is particularly suitable for handling heavy sheet metal, e.g. for loading machines.



The **FIPALIFT swift** is a particularly **ergonomic** lifting tube with a lifting capacity of up to **40kg**. It is designed for fast, frequent movement of heavy loads. Whether packages or boxes, drums or barrels. Even suitcases and bags in airport baggage handling are no problem.





# DESTUFF-IT / RESTUFF-IT



## The (un)loading solution

The **Restuff-it™** is a **bi-directional unit** designed to help workers **load / unload** products stacked on the floor of trailers and containers. It's an asset to both inbound receiving docks and outbound shipping docks. The Restuff-it features a modular belt **capable of moving in two directions (forward and reverse)**.

The **Destuff-it™** is designed to help workers unloading products stacked on the floor of trailers and containers. This solution cuts **unloading time by 50%.**  
**unloading time.**

These machines **can be integrated with a variety of conveyor types, to meet all your needs.**  
**requirements.**

These **revolutionary solutions** the container loading/unloading process unloading process, to **boost your operational efficiency.**



# G-FORCE

## The intelligent lifting device

The **G-Force intelligent lifting device** is designed to **increase production volume and reduce the cost of damaged goods**, with the aim of **increasing profitability** with the **most advanced features** on the intelligent lifting market.

When **precision, power and lifting speed** are a must, turn to Gorbels patented G-Force® intelligent lifting device. More precise than winches and **more responsive than balancing devices**, our **crane-mounted G-Force® devices enhance safety, productivity and quality, directly boosting your company's bottom line.**

These state-of-the-art units are available in two models:



Our basic model, the **Q2**, features **intelligent functions** for most applications.



And our improved **iQ2** model, which **offers even more configuration options** with electrical control input/output (I/O) points at the stick and actuator levels.





# EASY ARM

## The intelligent assistance system



Easy Arm uses exclusive patented technology and an industrial-processor-controlled servo drive system to **deliver unrivalled precision and lifting speed**. Their fusion of **advanced technology** and basic human guidance **maximizes productivity** while **minimizing the risk of injury to operators**.

The Easy Arm intelligent lifting arm is a combination of the G-Force lifting device and an articulated jib. It's the **ideal solution** if you're **looking for a turnkey, ready-to-use lifting solution**.

### Some key features of the Easy Arm

Fully integrated into Q2 and IQ2 intelligent hoists G-FORCE	Easy installation : the unit is delivered assembled and ready be installed	360° coverage and action zone	v75, 150 and 300 kg capacities to meet your every need
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