


**Manufacturer of cobotic manipulators**  
over the past **15 years**

 Ergonomic and mobile equipment

 Prevention of MSDs & WRI

 An ASS at your disposal

 A wide range adapted to all your applications

 Study, design, assembly and installation by our own staff

 Products made in France (44)  
FABRIQUÉ EN FRANCE

**SCARA**  
Product range  
50 & 100 kg

**ERGO360°**  
Product range  
100, 150 & 200 kg

**PM**  
Product range  
70 & 100 kg

**MAP**  
Product range  
50 & 100 kg



NEODITECH : +33 (0)2 40 46 15 71 - 01/2023 - Photos not contractually binding. The author has applied his best efforts to checking this document and shall not be held liable for any errors or omissions



**ERGO360°**  
**Ergonomic work positionner**

**Product range 100, 150 & 200 kg**

**European conformity** 

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

Follow us !   

Z.A. des 4 Chemins  
56 Rue de la Folle Blanche  
44330 MOUZILLON - FRANCE  
Tél. **+33 (0)2 40 46 15 71**  
Email : [info@neoditech.com](mailto:info@neoditech.com)

# ERGO360°

Ergonomic work positionner

## The advantages

mobility

effortless for the user

ergonomic

facilitates control and assembly

ease of use

flexibility

230V 50 Hz



With a weight of up to 200 kg, our assembly workstations can be oriented in many different ways: the part goes up, down, swivel, tilt, etc.

Its position adapts to the needs and morphology of the user, and not the opposite. This allows for a better level of ergonomics and comfort for the operators. The electric actuators of the ERGO3600 assembly station allow for very flexible movements. It is operated via a touch screen, with several memorable positions. The applications in industrial environments are numerous: assembly of components, electrical wiring, deburring of parts, etc. Like all products in the NEODITECH range, the ERGO3600 Ergonomic work positionner is mobile.

## Products

PE0501



100 kg

PE0502

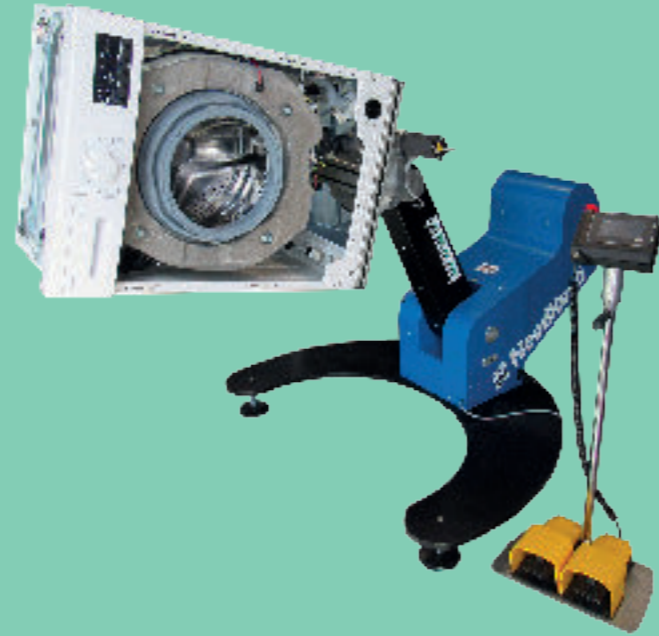


150 kg

PE0503



200 kg

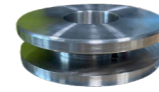


Handling of household appliances

## Product range 100, 150 & 200 kg

### FC0542

Chuck quick tool change  
Movable portion



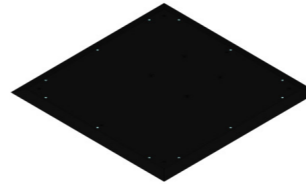
### FC0540

Chuck quick tool change  
Fixed portion



### FC0538

Stability plate



### FC0510

Remote control for manual  
rotation release



### FC0519

Quick tool change  
Movable portion



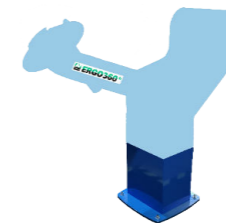
### FC0541

Chuck quick tool change  
Fixed portion, with  
detection



### FC0517

Special extension  
150-500mm



### FC0534

Manual rotation  
With clamping point



### FC0533

Quick tool change  
Fixed part with safety  
sensor



### FC0537

Half-moon base on  
wheels



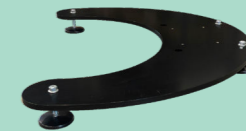
### FC0518

Quick tool change  
Fixed part



### FC0536

Half-moon base on  
4 feet



### FC0509

Standard extension  
300mm



### FC0511

Electric rotation



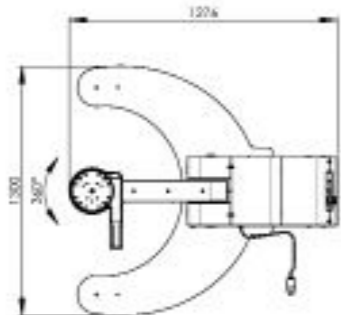
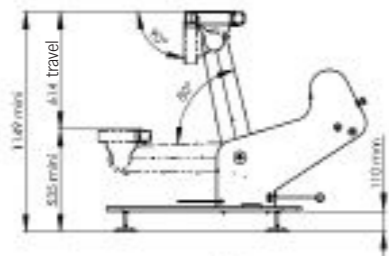
### FC0521

Remote control for  
electric rotation



## Functions

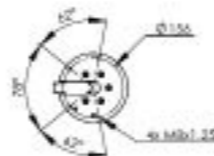
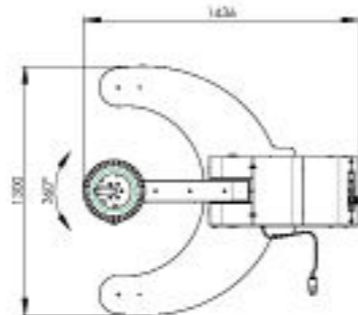
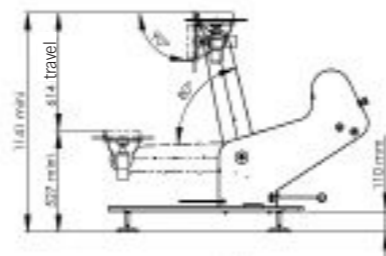
## Electric rotation



References	PE0501/502/503
Max. load capacity (weight of tools included)	100/150/200 kg
Up/down speed	35 mm/s
Tilting speed	5°/s
Max. allowable torque at wrist	390 Nm
Power	500 W
3 user programmable positions	(5 max)
Weight	de 200 à 400 kg

Patented model

## Manual rotation

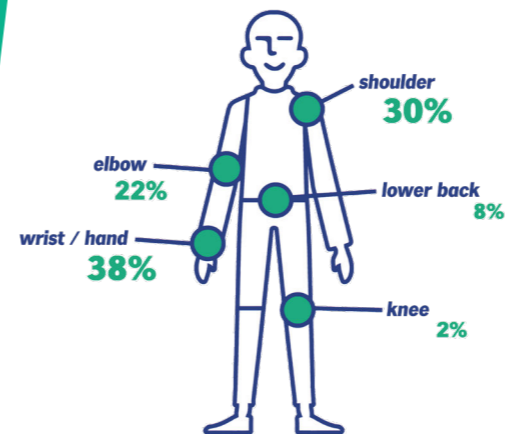


- Workpiece orientation at any angle via a touch-sensitive control interface
- Flexible movements thanks to its electric actuators
- Half-moon base for optimum access to the workpiece
- Several positions can be stored in memory, making it comfortable and easy to use
- Mobile and compact

# MSDs : musculoskeletal disorder

Musculoskeletal Disorders or MSD, are injuries and disorders that affect the human body's movement or musculoskeletal system, muscles, tendons, ligaments, nerves, discs, or blood vessels. The professional activity can be at their origin, their maintenance or their aggravation.

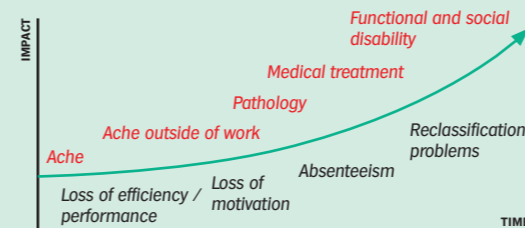
### SORE POINTS



Source : French Health Insurance / 2022

### CONSEQUENCES FOR EMPLOYEES/COMPANIES

The impacts are exponential.



Source : CARSAT

## Diagram & MSDs

### DIRECT COSTS

#### Professional diseases

Carpal tunnel syndrome	11 000 €
Lumbago	52 000 €
Stiffened shoulder	80 000 €

#### Work-related accidents

Average cost of an occupational injury with time off work	3 000 €
Average cost of a handling accident with time off	4 500 €

### INDIRECT COSTS (= 3 to 5 times of the direct cost)

#### For the company

- Responsibility of the general manager
- Civil responsibility
- Loss of production
- Substitution
- Training

#### For the employee

- Work stoppage
- Medical costs (care, hospitalization, rehabilitation...)
- Loss of wages
- Work incapacity
- Return to employment

› **AVERAGE COST : 21 000 €**