Neoditech®

Cobotic *manipulators*

SCARA

Manipulator ***arm***

Product ranges : 50 & 100 kg

European conformity CE

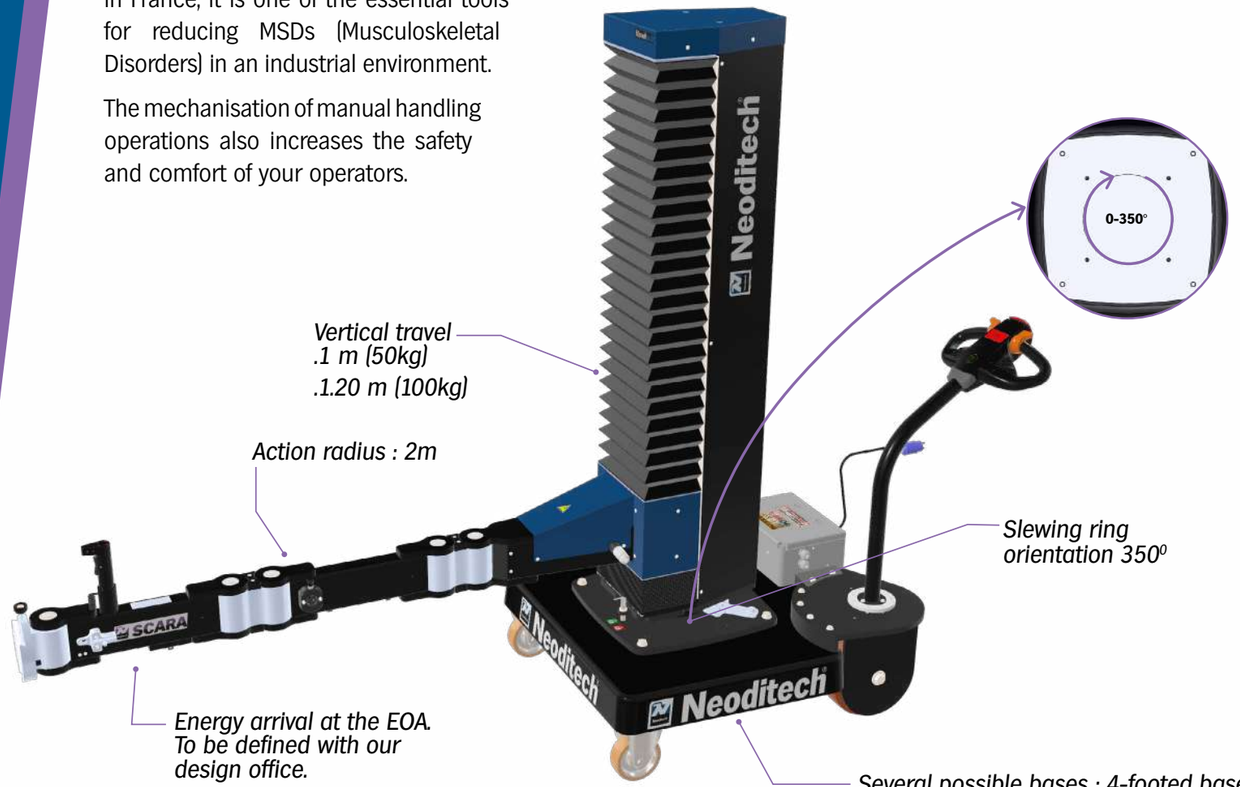
SCARA

Manipulator ***arm***

The SCARA manipulator arm allows the handling of loads up to 100 kg with an action radius of 2 m.

Designed, developed and manufactured in France, it is one of the essential tools for reducing MSDs (Musculoskeletal Disorders) in an industrial environment.

The mechanisation of manual handling operations also increases the safety and comfort of your operators.



The advantages

- ***compactness***
- ***movable***
- ***smoothness***
- ***230V 50Hz***
- ***ease of use***
- ***accuracy***
- ***reduction of drudgery***
- ***security***
- ***technology innovation***
- ***effortless for the user***
- ***taken out of the center of gravity***

Arms

50 kg

SC0403 - ELECTRIC

- Radius 2m - Vertical travel 1m
- Capacity **50kg** at 2m including gripper
- Energy vertical movement :
  electric on 230V 50Hz single-phase network
- Integrated sensitive control handle
- Stop/ Down system
- Available in **stainless** steel ref. **SC0405**

SC0420 - AUTONOMOUS

- Radius 2m - Vertical travel 1m
- Capacity **50kg** at 2m including gripper
- Energy vertical movement :
  battery-powered To be installed on a mobile base SM0803
- Integrated sensitive control handle
- Stop/ Down system
- Available in **stainless** steel ref. **SC0422** on **SM0808**
- Universal charger

100 kg

SC0404 - ELECTRIC

- Radius 2m - Vertical travel 1,20m
- Capacity 100kg at 2m including gripper
- Energy vertical movement :
  electric on 230V 50Hz single-phase network
- Integrated sensitive control handle
- Stop/ Down system

SC0421 - AUTONOMOUS

- Radius 2m - Vertical travel 1,20m
- Capacity 100 kg at 2 m including gripper
- Energy vertical movement :
  battery-powered To be installed on a mobile base SM0807
- Integrated sensitive control handle
- Stop/ Down system
- Universal charger

Base

MOBILE BASE BY PALLET TRUCK

- Mobile using pallet truck
- Adjustable-height feet
- Limited floor space
- Flat floor required

SM0801

MOBILE BASE ON SWIVEL CASTORS

- Mobile on castors : 3 free, 1 w/brake
- Low chassis for low-level gripping
- Flat floor required
- Suitable for moderate and/or short distance travel

SM0802

MOBILE BASE WITH BATTERY POWERED DRIVEWHEEL

- Mobile base with battery-powered drivewheel
- Low chassis for low-level gripping
- Handlebar with tiller head and anti-crush safety device
- Flat floor required
- Suitable for longer courses

SM0803

MOBILE BASE BY PALLET TRUCK

- Mobile using pallet truck
- Adjustable-height feet
- Limited floor space
- Flat floor required

SM0806

MOBILE BASE WITH BATTERY POWERED DRIVEWHEEL

- Mobile with battery-powered drivewheel
- Low chassis for low-level gripping
- Handlebar with tiller head and anti-crush safety device
- Flat floor required
- Suitable for longer courses

SM0807

Tools

OUT004
Hook

OUT053
Hook

NEODITECH is always aiming for the simplest tool for your operators but some manipulations require a **specific energy supply**.

In this case, **NEODITECH** can provide you an **electric or pneumatic** energy supply at the EOA.

With our tool integration plate, you will be able to **fix your gripper with ease**.

Concerning gripping tools, please contact your partners.

50 kg range

FC0472
Quick change fixed tool

Pivot brakes

FC0475
Manual rotation

FC0482
Manual Tilt

100 kg range

FC0493
Manual tipping

FC0474
Quick change fixed tool

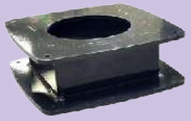
FC0476
Manual rotation

Pivot brakes

Functions

FC0473
Quick change mobile tool

FC0478
Extension



FC0477
Quick change mobile tool

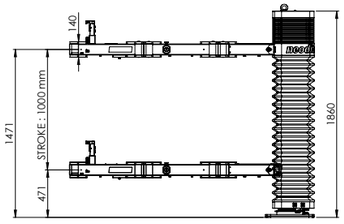
FC0487
Extension

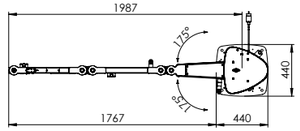
SCARA

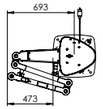
Technical data *50kg Range*

100kg range

SC0403



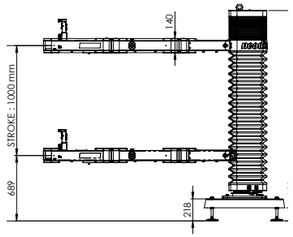


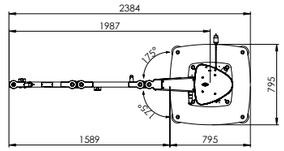


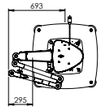
ELECTRIC
230V 50HZ

SC0403

base **SM0801**



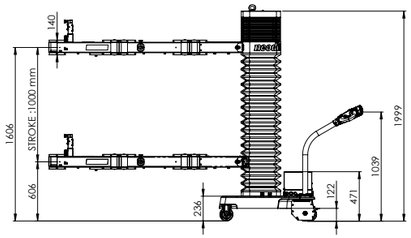


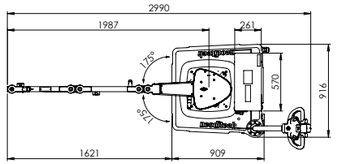


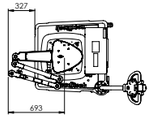
ELECTRIC
230V 50HZ

SC0420

base **SM0803**

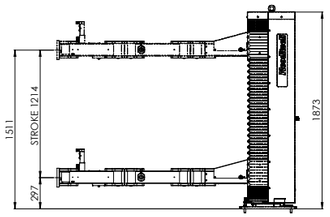


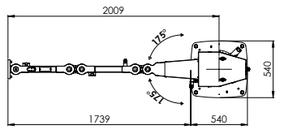


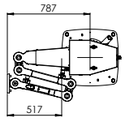


AUTONOMOUS
Universal charger

SC0404



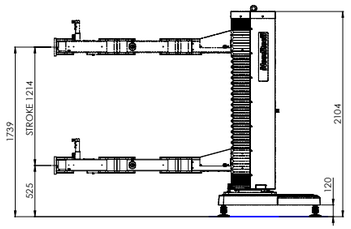


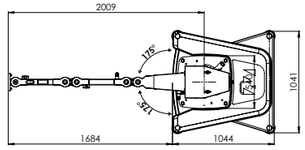


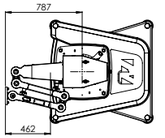
ELECTRIC
230V 50HZ

SC0404

base **SM0806**



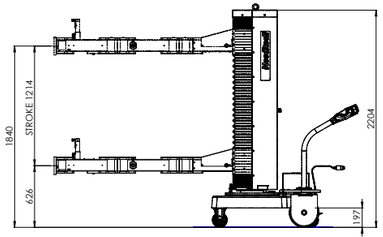


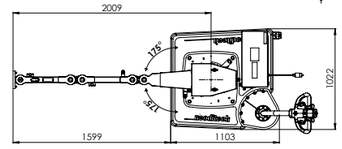


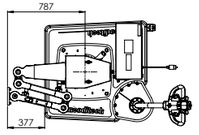
ELECTRIC
230V 50HZ

SC0421

base **SM0807**





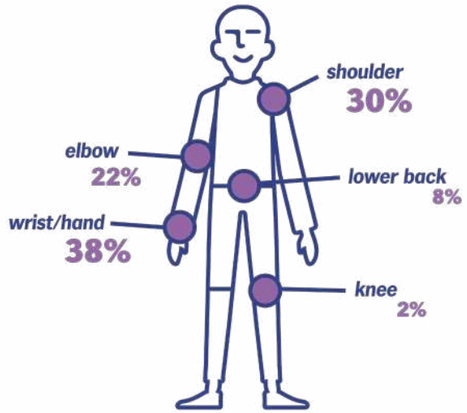


AUTONOMOUS
Universal charger

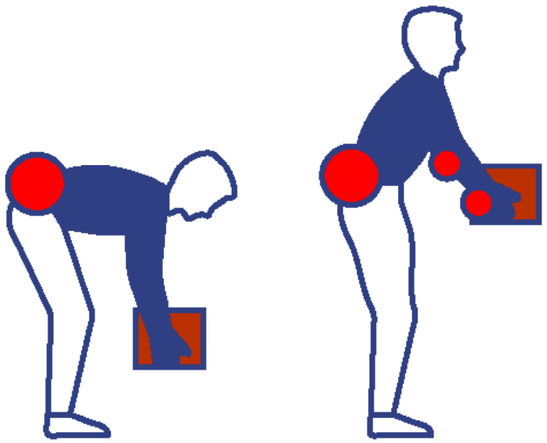
MSDs :
musculoskeletal disorder

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



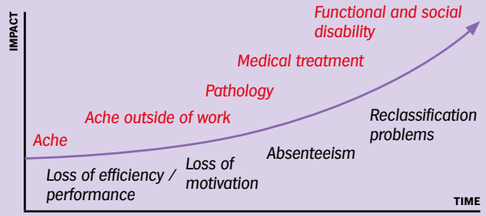
Source : French Health Insurance / 2022



Neoditech
Cobotic manipulators

CONSEQUENCES FOR EMPLOYEES/COMPANIES

The impacts are exponential



Source : CARSAT

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*** €

Neoditech®

Cobotic *manipulators*

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

- *Ergonomic and mobile equipment*
- *Prevention of MSDs & WRI*
- *An After Sales Service 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
200 kg

PM

Product range
70 & 100 kg

MAP

Product range
50 & 100 kg

www.neoditech.eu

Follow us !

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NEODITECH : +33 (0)2 40 46 15 71 - 09/2025 - 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