

# STRÖDTER ERGONOMICS

Adaptation of work  
to humans.

**3 STRÖDTER-FACTS!**



Manual handling of loads may lead to diseases of the musculoskeletal system due to unfavorable body posture.

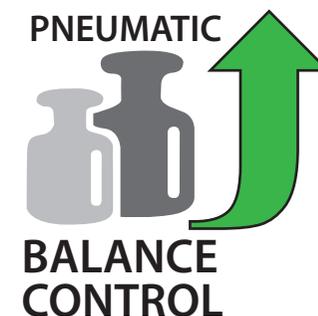
Frequently adopted incorrect body postures and handling of loads are possible reasons for the development of degenerative disorders of the spine, intervertebral disks and joints. Stress, such as pressure and strain or twisting, which are physically demanding for the body, must be avoided.

## The 3 STRÖDTER- facts, that make an ergonomic work possible:

1

### Pneumatic balance control

for the handling of KLT-boxes  
in a floating condition and standing position



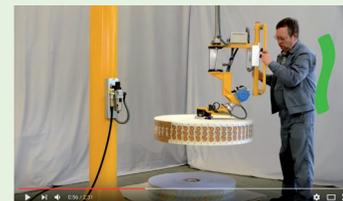
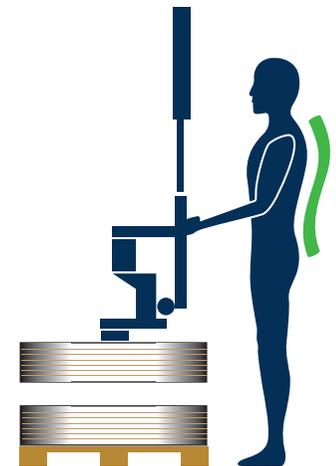
The pneumatic balancing control, which allows the load weight to float and thus allows the operator to lift and guide handling parts directly via handrail without effort.

## **ADVANTAGE:**

**No transport and positioning strain**

2

**The extended double handrail**  
for handling parts in a floating condition  
and standing position



The extended handrail makes it possible to guide the gripper to the handling part in a standing posture, to position it on the load and to grip it. The gripping automatically adjusts the balance, the weight compensation for the handling part is

switched on.

**ADVANTAGE:**

**No bending and stretching, to prevent strain on the back**

3

## Two-hand guide

Direct handrail operation



Safety-related advantages of the double handrail for two-hand guidance and operation of control buttons for clamping, releasing, swivelling and rotating.

The control buttons for CLAMPING and RELEASE of the gripper as two-hand safety control are located in the immediate vicinity to the hands and can easily be operated by thumb. While control buttons are pressed, both hands remain on the handrail and are thus in safe distance to the clamping unit, pivoting and rotating device.

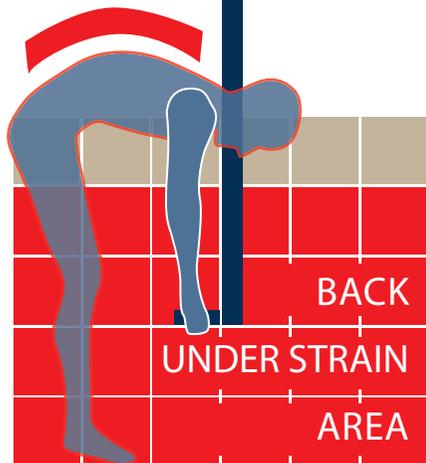
# ADVANTAGE:

Symmetrical body posture and homogenous physical movements without twisting the spine.

## WRONG

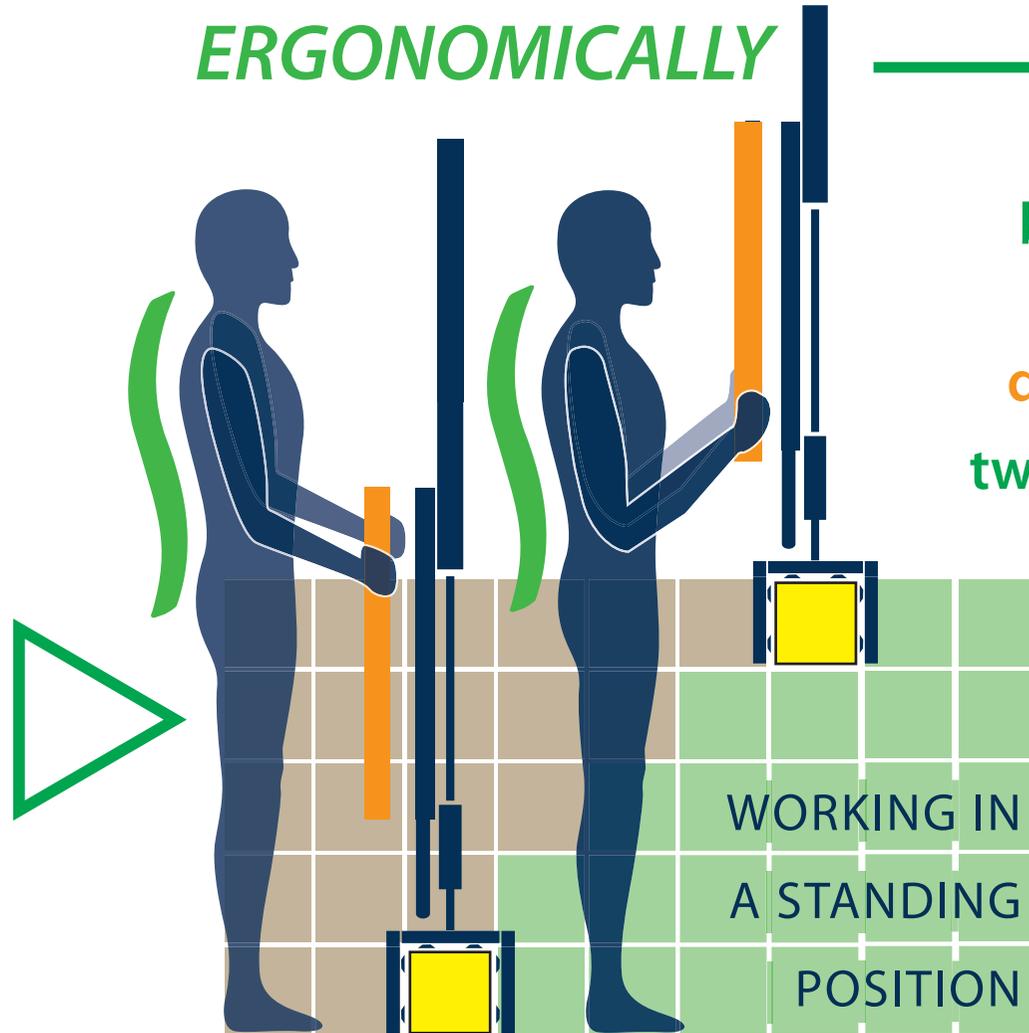


Manually or with one hand control



## STRAIN

## ERGONOMICALLY



Pneumatic balance control

Extended double handrail

two-hand control

WORKING IN A STANDING POSITION

## RELIEF

# Conclusion:

The extended handrail as an ergonomic double handrail is the better solution compared to the one hand control handle. The one-hand control unit cannot offer all the advantages of two-hand control.

The unilateral strain of the human body by the one-hand control handle leads to permanent damage to health. If ergonomics, then rather STRÖDTER!

**WE GET LOADS FLOATING ON AIR**



**HANDLING WORK STATIONS**  
FOR THE WEIGHT RANGE FROM 5 - 1000 kg  
**TURNKEY!**

# STRÖDTER Handhabungstechnik GmbH

Gabelsbergerstraße 6 · 59069 Hamm/Germany  
phone.: +49 (0) 2385 9 21 21 - 0 · fax: +49 (0) 2385 9 21 21 - 21  
email: [info@stroedter.de](mailto:info@stroedter.de) · Homepage: [www.stroedter.de](http://www.stroedter.de)

**STRÖDTER**  
PRODUCT FILMS  
ON INTERNET



**STRÖDTER**  
Handhabungstechnik GmbH



**STRÖDTER**  
ON INTERNET