# NEW PRODUCTS 2020

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# HEIGHT ADJUSTMENT SYSTEM GTV 2.0

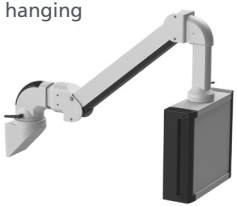
Due to the requirement of the machine directive to adapt the human-machine interface to the foreseeable physical characteristics of the operating personnel, the call for ergonomically designed machine workplaces is becoming louder and louder.
A large load range, the fine adjustment of which can be carried out by the user on the machine, a generously dimensioned cable passage that is located away from the moving parts and thus effectively protects the installed cables, as well as an elegant design are just some of the interesting properties of the new height adjustment system GTV 2.0.

## Technical data

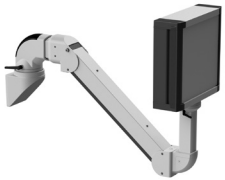
| | |
|---|---|
| Material | Connecting plate: S235<br>Components: EN 1706 AC-46000DF<br>Cable channel cover sheet: EN 573-3 AW-5754 H22 |
| Colour | Connecting plate: RAL 7016<br>Components: RAL 7035<br>Cable channel cover sheet: RAL 7035 |

## Version

Outlet hanging



Outlet upright



## Load ranges

| | |
|---|---|
| **49.85 50 01** | Load range 1 (20 - 33 kg), outlet hanging |
| **49.85 50 02** | Load range 2 (33 - 51 kg), outlet hanging |
| **49.85 50 03** | Load range 3 (51 - 60 kg), outlet hanging |
| **49.85 51 01** | Load range 1 (20 - 33 kg), outlet upright |
| **49.85 51 02** | Load range 2 (33 - 51 kg), outlet upright |
| **49.85 51 03** | Load range 3 (51 - 60 kg), outlet upright |

+++ Load range from 20 – 60 kg

+++ Very good hovering behavior

+++ Precise adaptation of the load range by users on site

+++ Freely positionable version

+++ Significant increase in torsional stiffness

+++ Enlargement of the cable duct and better accessibility

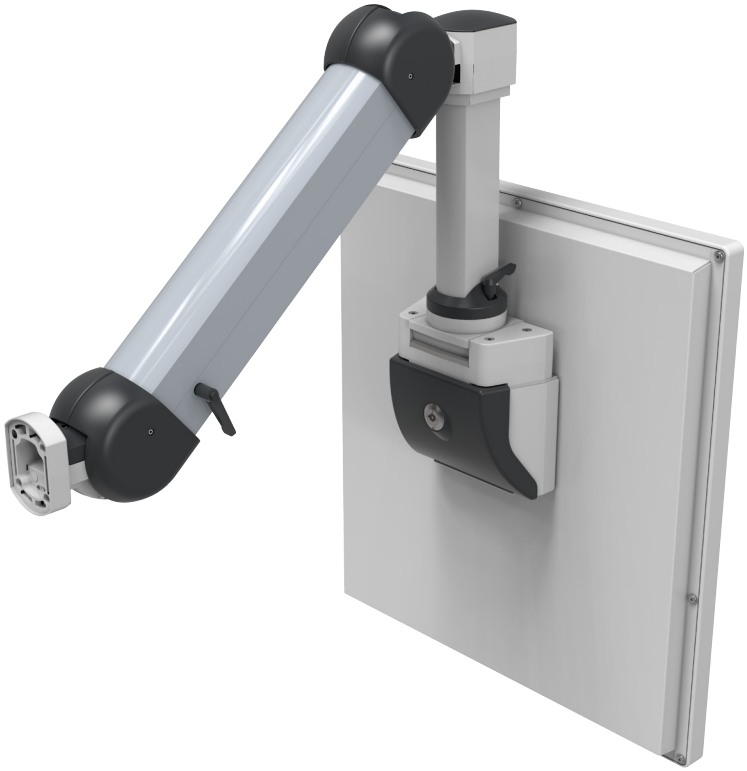
+++ Can be combined on the machine side with the GTL suspension system

+++ Can be combined on the operator side with GTN II / GT 48/2 / GTS

+++ Adjustable binding

# Flat Panel Adapter

Thanks to the new flat panel adapter, flat control enclosures and panel PCs from all common manufacturers can be connected to ROSE equipment carrier systems via the rear panel. The flat panel adapter is designed for a maximum load of 25 kg. It has a large cover flap, through which easy access to the installation space is possible and which can be closed with all common drives for sash locks (e.g. double-bit, triangular, square, special fastener drives of the automotive industry).



## Technical data

| | |
|---|---|
| Material | Connection compartment: Stainless steel 1.4301<br>Inclining adjustment: Stainless steel 1.4301<br>Lid: ABS |
| Colour | Connection compartment: RAL 7035, optional special colour<br>Inclining adjustment: RAL 7035, optional special colour<br>Lid: RAL 7021 |
| Ingress protection | with GTS coupling: IP54<br>with GTH coupling: IP65 |
| Max. static load | 25 kg |
| Seal | CR or NBR |
| Free cable passage | GTS: 53 x 19 mm<br>GTH: Ø 41 mm |

## Version

| | |
|---|---|
| **50.10 20 10** | GTS VESA 75 |
| **50.10 20 20** | GTS VESA 100 |
| **50.10 20 99** | GTS special version |
| **50.10 30 10** | GTH 48 easy VESA 75 |
| **50.10 30 20** | GTH 48 easy VESA 100 |
| **50.10 30 99** | GTH 48 easy special version |
| **50.20 20 10** | GTS VESA 75 with inclining adjustment |
| **50.20 20 20** | GTS VESA 100 with inclining adjustment |
| **50.20 20 99** | GTS special version with inclining adjustment |
| **50.20 30 10** | GTH 48 easy VESA75 with inclining adjustment |
| **50.20 30 20** | GTH 48 easy VESA100 with inclining adjustment |
| **50.20 30 99** | GTH 48 easy special version with inclining adjustment |

+++ The flat panel adapter optionally has an inclination range of +/- 20°

+++ This turn-tilt coupling can be connected to the device suspension system GTH 48 easy (stainless steel), the suspension system GTS (aluminum) and the height adjustment system GTV light

+++ On request, we process the adapter individually and, for example, drill holes in the sides of the connection space, e.g. for cable glands

# HEIGHT ADJUSTMENT SYSTEM GTV Light

The GTV light height adjustment system can be moved continuously over the entire stroke with little effort. It then remains in the desired position independently. Three different strokes of 400 mm, 600 mm and 800 mm, as well as the integration in the device carrier system GTN II, ensure a unique variability of the GTV light on the market. Simple integration into existing GTN II systems is possible without changing the drilling patterns on the machine or the control enclosures. The flexible connection of control enclosures with ROSE suspension systems and the new flat panel adapter ensures additional variability.

## Technical data

| | |
|---|---|
| Stroke | 400 / 600 / 800 mm |
| Load range | 5 - 25 kg |
| Life time | 20.000 double strokes |
| Ingress protection | IP54 |
| Temperature range | up to appr. 80 °C |

## Version

| | |
|---|---|
| **Stroke 400 mm** | |
| **49.84 20 01** | Load range 1 (5 - 10 kg) |
| **49.84 20 02** | Load range 2 (10 - 16 kg) |
| **49.84 20 04** | Load range 3 (16 - 25 kg) |
| **Stoke 600 mm** | |
| **49.84 40 01** | Load range 1 (5 - 10 kg) |
| **49.84 40 02** | Load range 2 (10 - 16 kg) |
| **49.84 40 04** | Load range 3 (16 - 25 kg) |
| **Stroke 800 mm** | |
| **49.84 60 01** | Load range 1 (5 - 7 kg) |
| **49.84 60 02** | Load range 2 (7 - 13 kg) |
| **49.84 60 04** | Load range 3 (13 - 21 kg) |

+++ The load range up to 25 kg and the protection class IP54 are particularly suitable for accommodating encapsulated Panel PCs and small control boxes

+++ The cable duct, which is separated from mechanical components, enables safe cable laying away from crushing and shearing points

+++ Other ROSE suspension systems can be connected to the GTV light using adapters. With the adapter to our Ø 48 mm round pipe system GT48/2 you can e.g. easily connect Panel PCs with their own 48 mm support arm connection

# POSSIBLE COMBINATIONS

1

2

3

1 Choose your required suspension solution with fastening and bracket requirements. In this case it is our height adjustment system GTV light from **HMI** *MECHANICS*

2 With the **HMI** *MECHANICS* flat panel adapter you can connect industrial PCs and other control enclosures very well

3 Round off your complete system with the Panel PC solutions from **HMI** *CREATIONS* . Of course, a **HMI** *MECHANICS* control enclosure is also good here

# STAINLESS STEEL COMMANDER C450

Regardless of whether your high-quality machine is used in the area of food and beverage production, packaging technology or in general machine and plant construction - with the new stainless steel operating systems consisting of Commander C450 and device carrier system GTH easy, ROSE offers the perfect solution for your requirements. The high surface quality of the C450 in combination with high-quality handle variations and the choice between different enclosure sizes make this control enclosures the ideal all-rounder for your applications.

## Technical data

| | |
|---|---|
| Material | Stainless steel 1.4301 / 304<br>optional 1.4404 / 316L |
| Surface | grinded, grain 320 |
| Material thickness | 1,25 mm |
| Ingress protection | door version (hinged lid): IP66 |
| Temperature range | -20 °C to +80 °C |

## Handle variations

## Enclosure sizes

| W x H x D |
|---|
| 400 x 300 x 120 mm |
| 400 x 300 x 160 mm |
| 400 x 400 x 160 mm |
| 500 x 300 x 200 mm |
| 500 x 500 x 200 mm |

+++ Control enclosures in stainless steel 1.4301 (304)

+++ 2 different handle design versions

+++ On the back with door, optionally screwed-on rear wall for protection class IP69

+++ Optional additional locking systems made of different materials available (e.g. plastic or die-cast zinc)

+++ Individual laser processing possible

# STAINLESS STEEL SUSPENSION SYSTEM GTH easy

The stainless steel support arm systems GTH 48 and GTH 60 were developed for use in particularly demanding or sensitive areas. The stainless steel tube and the edge- and gap-free components hardly allow any dead spaces and are IP69 tested.
The areas of application are primarily in the areas of hygiene, food, chemistry and pharmacy as well as all other areas in which stainless steel is essential for the construction of a support arm system.

## Technical data

| | |
|---|---|
| Material | Tube: Stainless steel 1.4301<br>System components: Stainless steel 1.4301 |
| Surface | Tube: grinded, grain 240 |
| Free cable passage | GTH 48: 41 mm<br>GTH 60: 53 mm |
| Ingress protection | IP69 to EN 60529 |
| Temperature range | -25 °C to +60 °C |

## Versions

Top-mounted joint GTH 48 easy

Top-mounted joint GTH 60 easy

Coupling GTH 48 easy

Coupling GTH 60 easy

+++ Significantly reduced installation effort

+++ Ideal alternative to self-made construction solutions

+++ Ingress protection IP69 acc. to EN 60529

+++ Reduction of edges and gaps of the system and less dead space

+++ Compact, slim design

# IPC SOLUTIONS FROM HMI CREATIONS

We offer you perfectly coordinated, holistic solution concepts and competent advice. From concept to production, we are happy to take over the assembly on site. For us, complete solutions not only means everything at first hand, but also from a single source. We achieve high quality through our own development department, in-house production, the latest technology and a motivated team.

- perfectly coordinated, integrated solution models
- software integration
- hardware upgrade as needed
- 24-hour burn-in endurance testing
- completion of or help with your device certification
- everything from a single source, ‘Made in Germany’
- direct contact to a service technician
- fast and friendly assistance for technical problems
- professional hardware support
- straightforward, no-quibble repair policy
- personalised customer after-sales service

For all questions regarding Industrial PC, Touchpanel, Industrial Tablets and such, the HMI CREATIONS team will gladly assist you:

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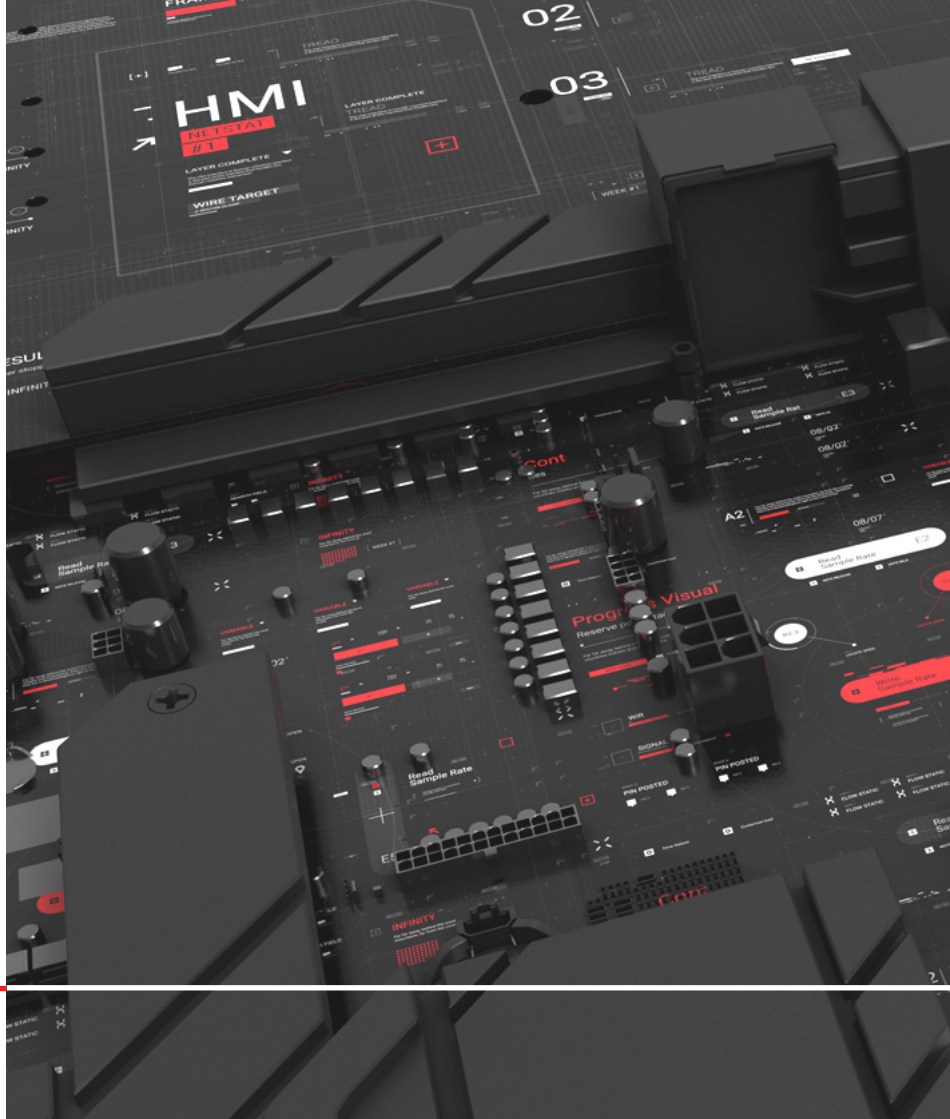
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