



Patent pending

# The free-standing column CS-4000 *next*

Suspension system for enclosed IPCs – Unique on the market

# Flexible concept for your visions

Unlike standard suspension system solutions with individual screens or IPCs, the CS-4000 neXt meets the requirements of the Machinery Directive by the possibility of integrating emergency stop devices.

Due to its two-chamber design and clever construction, an IP65 solution can be achieved.

## Product features

- High protection class IP65 at area of closed column chamber
- Internal cable routing
- IPC and keyboard shelf holder can be positioned individually
- IPC holder with graduated tilt control
- Optional integrated control elements (to fulfil the Machine Directive 2006/42/EG)
- Column of high-quality extruded aluminium sections (naturally anodised, 2-chamber column)
- Customer-specific length of the column possible

## Scopes of application

- Production lines in the automotive industry
- Plant and machine construction with decentralised controlling concept
- Decentralised display or HMI positioning

**CS-4000**  
*neXt*



# System configuration

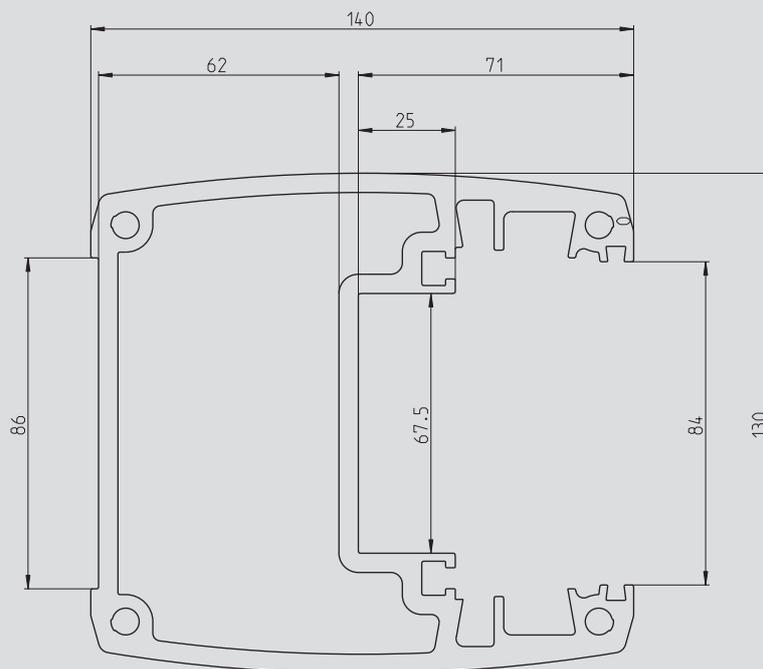
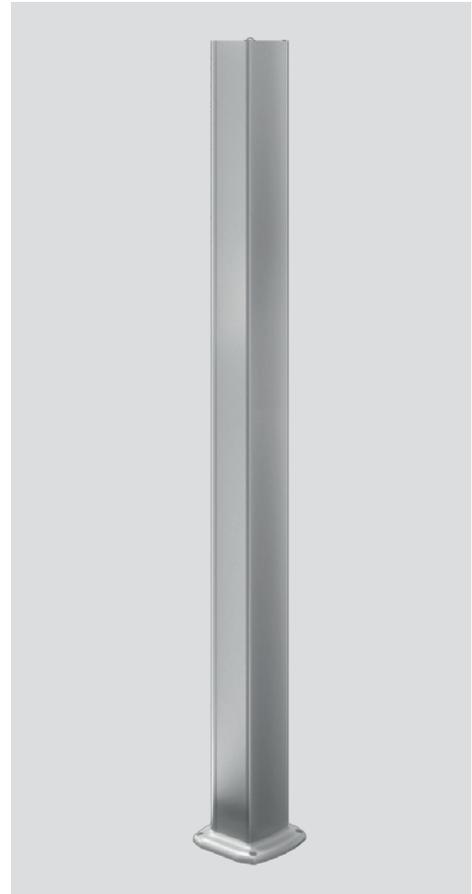
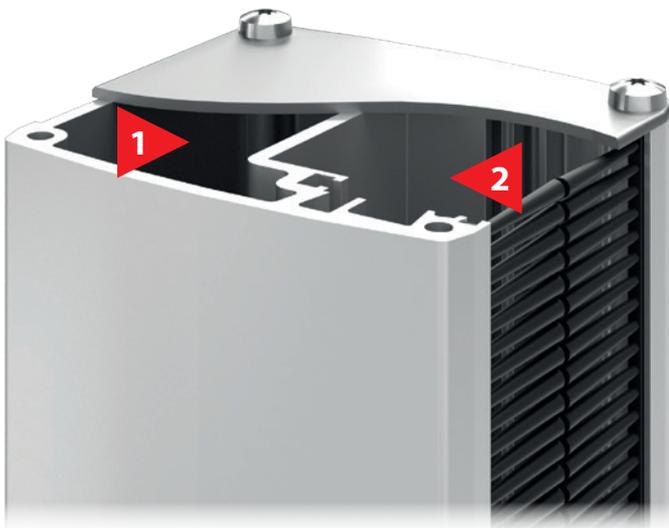


- ① Column
- ② Mounting element
- ③ IPC holder: Mounting height variable, graduated tilt control
- ④ Push button cover for control elements
- ⑤ Keyboard shelf (pull-out mousepad is optional)
- ⑥ Cable conduit cover (access through open column chamber)
- ⑦ Base

Accessories see page 12

# Column

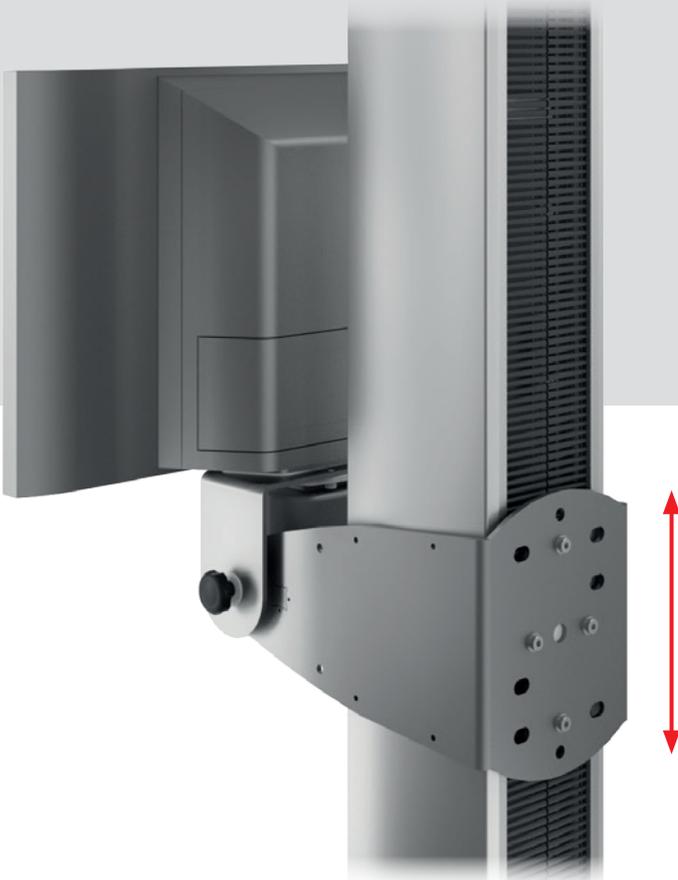
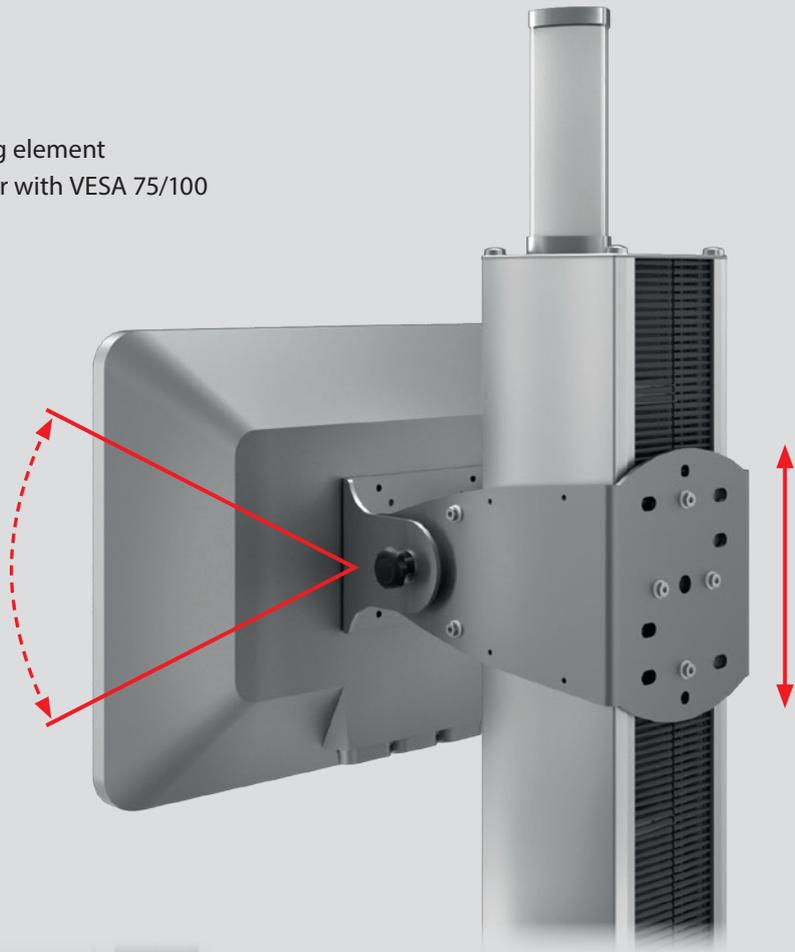
- Closed column chamber ① (IP65)
- Open column chamber ② for IPC and keyboard shelf holder positioning and cable routing
- Cable routing via open column chamber
- Open column chamber optically closed through brush strip





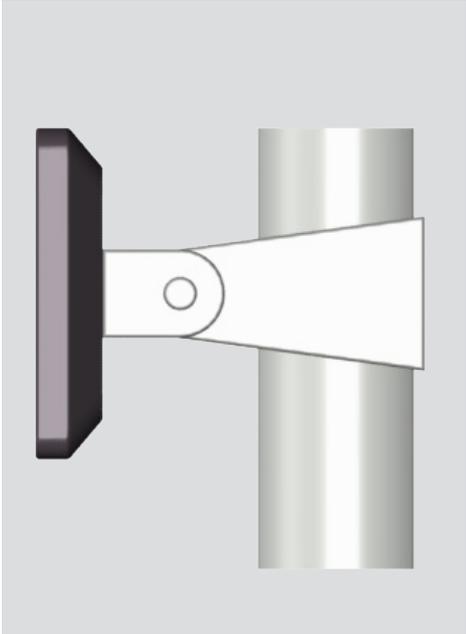
# IPC holder

- Height variable through mounting element
- Connection of IPC/display/monitor with VESA 75/100 or  $\varnothing$  48 round tube
- Maximum inclination  $\pm 24^\circ$  (depending on connection type)

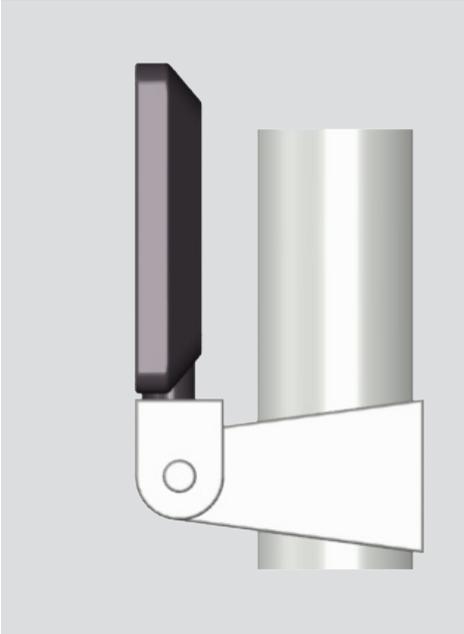


# Possible connection types

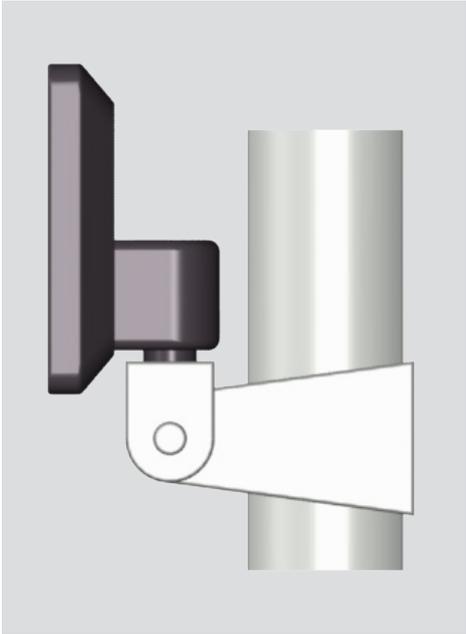
• VESA 75/100



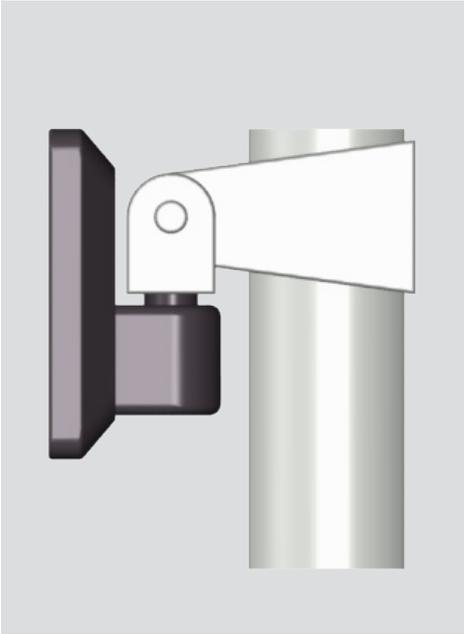
• Siemens Pro



• Ø 48 from above



• Ø 48 from below

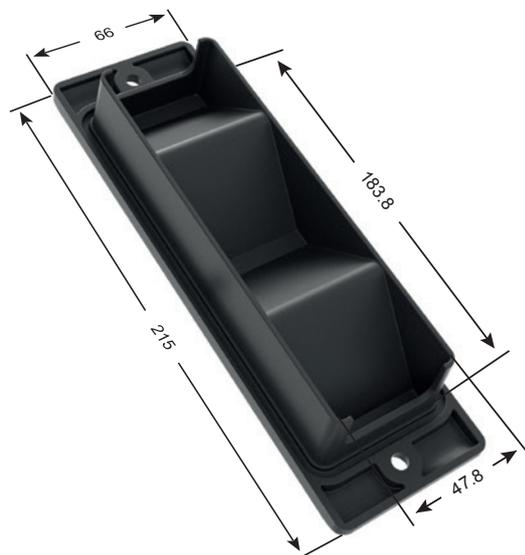


# Push button cover and cable conduit cover

- Cover for control elements
- Optional integrated emergency stop device and key switch
- Maximum of 5 push buttons or 3 push buttons with identification label
- Installation from the front
- IP65 due to foamed sealing
- Installation area 165 x 60 mm



- Cable conduit cover with 45-degree bevelled curve for optimum bending radius
- Cable entry into the closed column chamber ①
- IP65 due to foamed sealing
- Maximum installation area 2 x M25



# Various assembly possibilities

The following elements are suitable for installation into the push button cover:



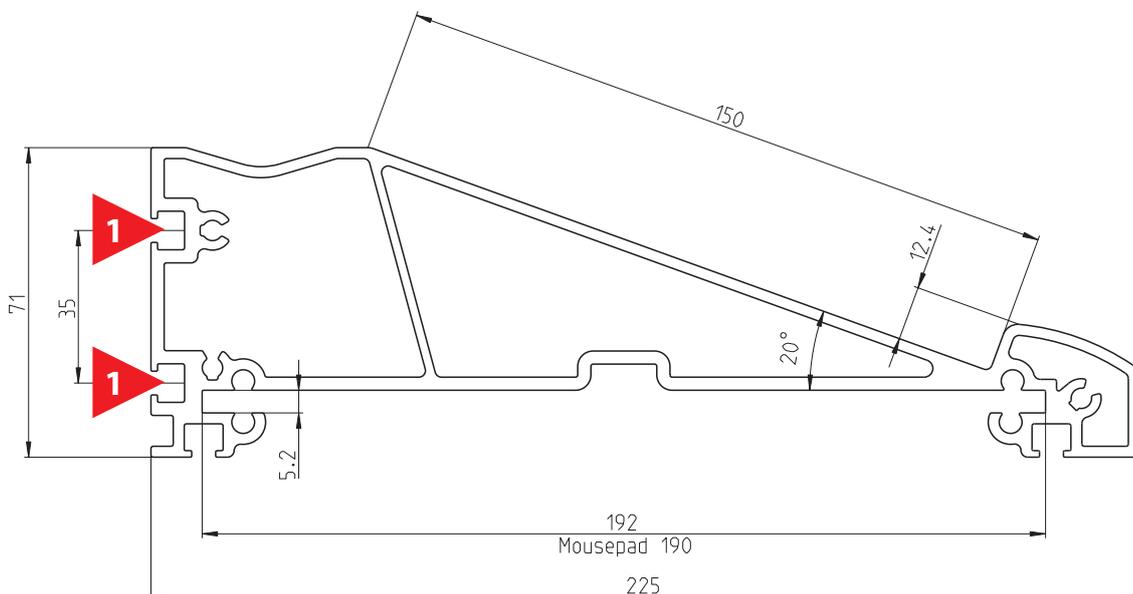
- Control and signalling devices
- Emergency stop devices
- Key switches

- Main switches
- Machine operator identification systems
- Key Panels



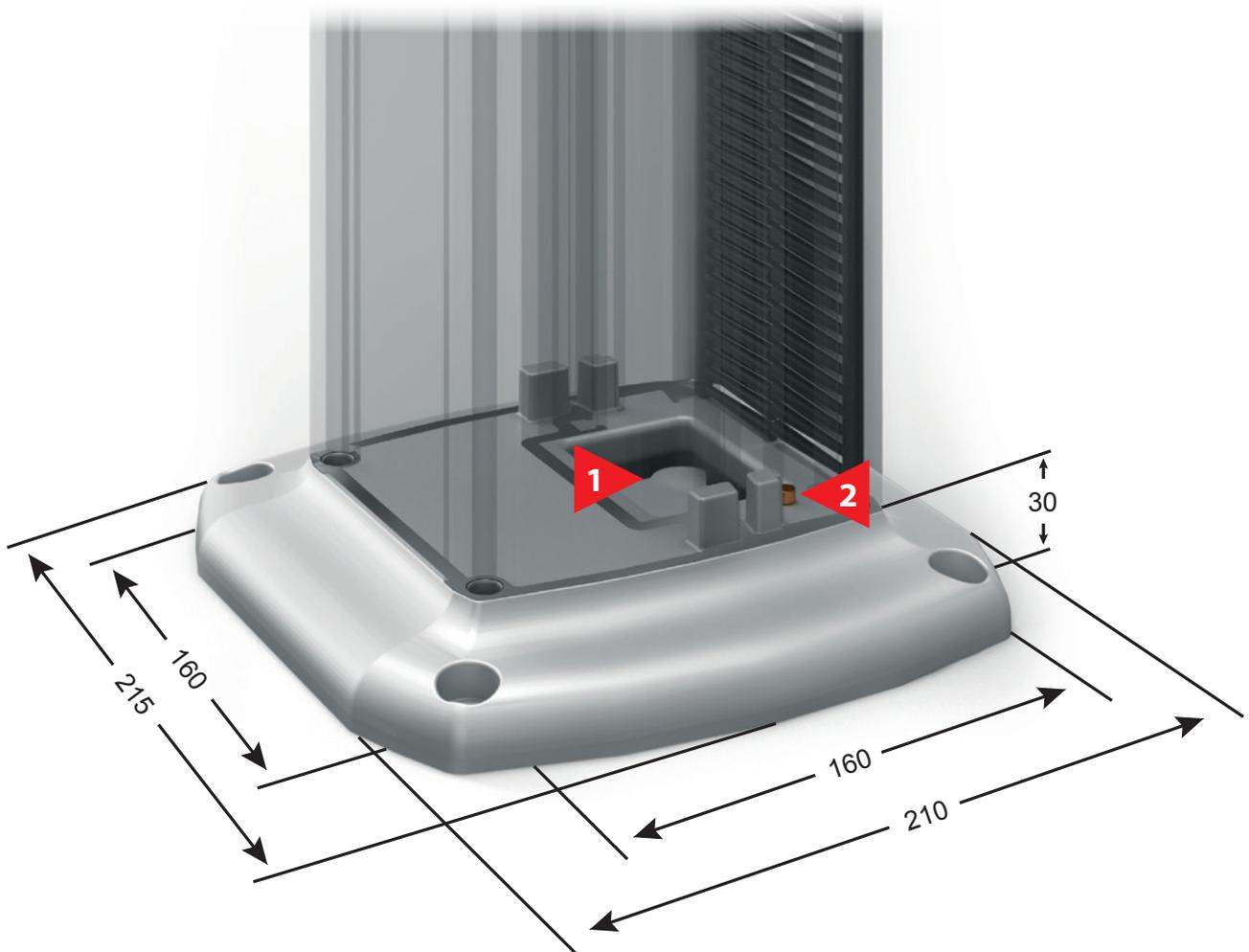
# Keyboard shelf

- Height variable through mounting element
- Extruded aluminium sections (naturally anodised)
- Optional mousepad to be pulled out to the right or left side
- Maximum possible depth adjustment 100 mm
- Fastening option in the back cover ①



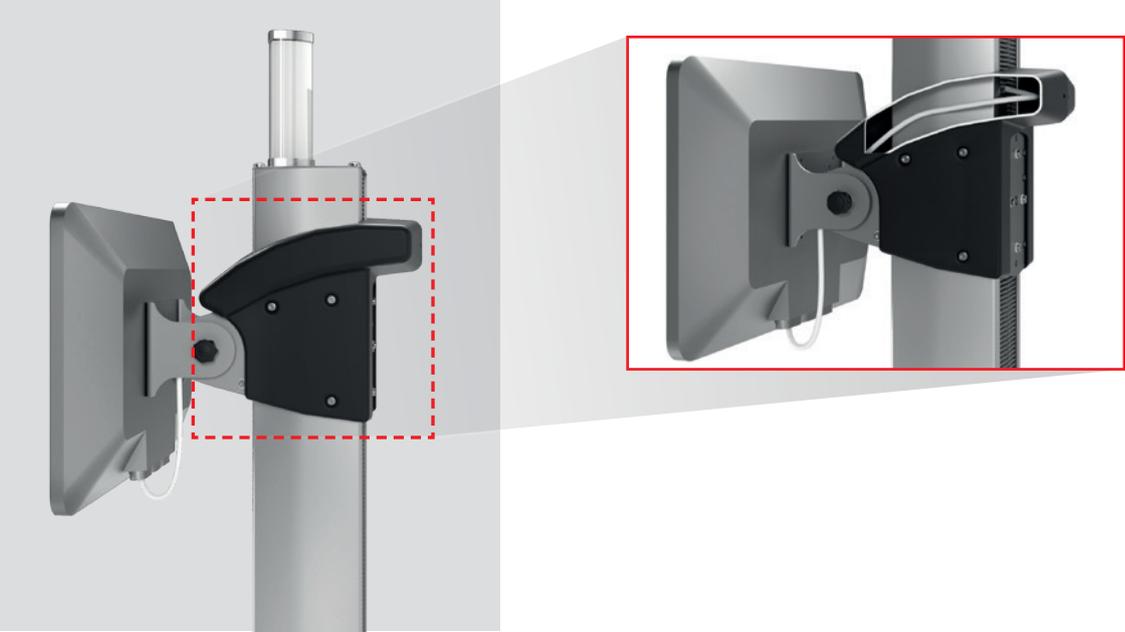
# Base plate

- Cable entry into the open column chamber ❶
- Connection for potential equalisation ❷
- Optionally supplied with levelling adjustment screws



# Accessories

- Cable channel



- Gaiter channel



- Signal lamp cover



# System solutions – We create space for your visions



You know BERNSTEIN as a supplier of innovative and reliable enclosures and suspension arm system solutions for industrial applications.

But as of now we offer you even more space!

The new suspension system CS-4000 neXt offers a new approach through system integration (e.g. customising and installation of emergency stop devices), all in accordance with the requirements of the Machine Directive.

Convince yourself and allow our expert team to advise you.

## The optimum application solution completely wired-up with:

- Control and signalling devices
- Emergency stop devices
- Main switches
- Machine operator identification systems
- Key switches
- Keyboards
- IPCs / displays
- Supply lines and data cables
- Ethernet components

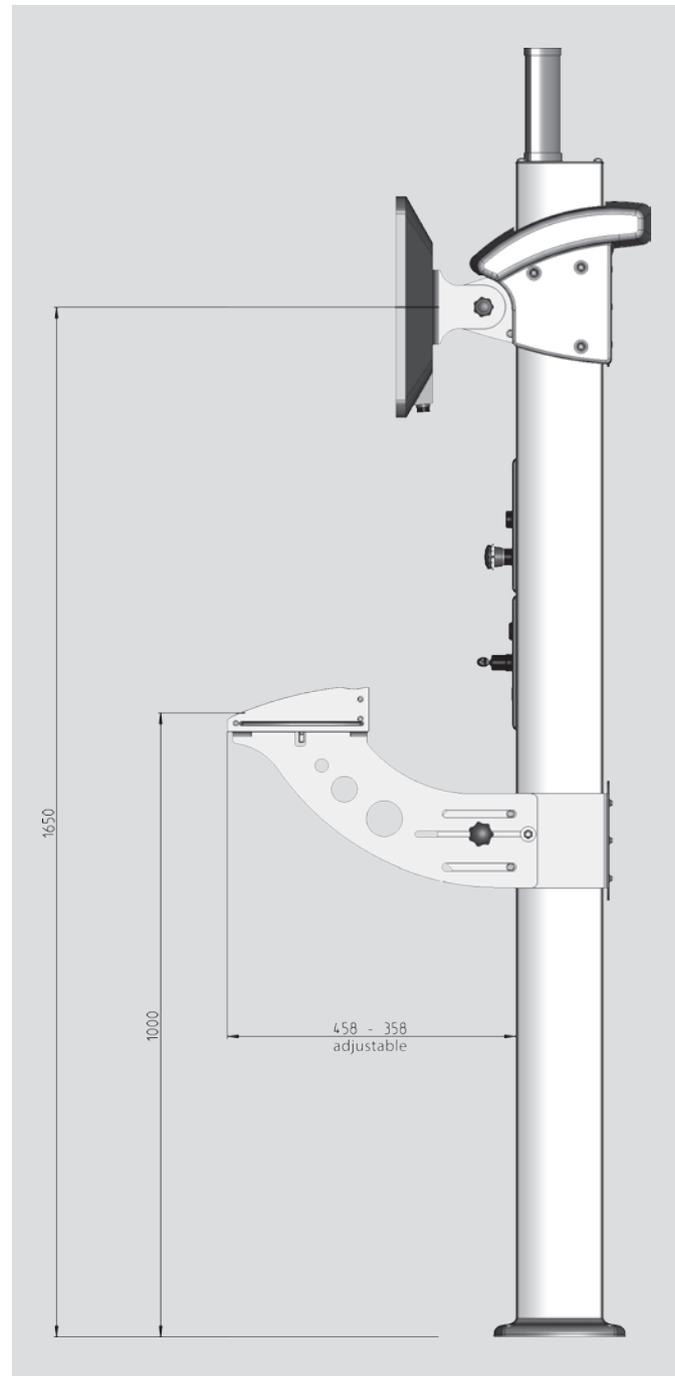
## BERNSTEIN offers:

- A finished product from one source
- Individual adaptation / Customised configuration
- Perfect integration into your specific machines and systems
- Coordination of external customising providers' no longer necessary
- Simplified logistics chain
- High quality standard
- Short lead times
- Turnkey delivery solutions



# Ergonomic measurements according to DIN 33402-2

- Visualisation height (standard value 1,650 mm)
  - Centre of the screen  $1,650 \pm 50$  mm
  - Corresponding mounting position of the assembly element
- Desk area height (standard value 1,000 - 1,100 mm)
  - Lower edge of the keyboard 950 - 1,100 mm
  - Corresponding mounting position of the assembly element







**Switch systems –  
Economy meets safety**



**Sensor systems –  
Compact intelligence**



**Enclosure systems –  
Function and design**

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