

Component Kits

Accessories and peripherals
ready to use

Economical. Flexible. Efficient.

Your advantages at a glance



Highest efficiency in project planning

With our Component Kits, we offer you a selection of peripheral devices that can be seamlessly integrated into our Digital Robot HORST. Thanks to mechanical and electronic adapters as well as pre-programmed software modules, compatibility with HORST is guaranteed.



Maximizing productivity in commissioning

Thanks to our component kits, you can get your robot accessories up and running quickly. We supply everything you need to use the component and save you the tedious search for the necessary additional components with our tested systems.



Expertise without loss of know-how

With our Component Kits, you gain access to the expertise of our application engineers without needing to become a robotics expert yourself. This simplifies the implementation of your automation solutions and minimizes the risk of errors.

Our Component Kits



Robot Bases

Various robot bases for efficient automation projects with HORST. Mobile or modular with application-specific accessories.



Gripping Systems

Various gripping systems for your specific application. All gripping systems include the appropriate accessories for immediate commissioning.



Material Feeding

In the area of material handling, we offer tested, well-coordinated components for the feeding and separation of parts.



Safety Technology

For safe operation according to ISO 10218-2, we offer flexibly selectable safety devices with safety scanners.



Robot Guidance

Professional robot guidance systems with high-resolution cameras enable precise and autonomous capturing of object position data.



Robot bases

Mobile Robot Base

Start your automation projects faster, safer, and more flexibly with our mobile robot bases (MRBs). Available in three different sizes, with or without safety fence, our MRBs offer the option to attach safety laser scanners to monitor the safety area. With the included floor anchoring, the MRB can be securely bolted to the ground if needed. An optionally available locking system allows for precise and repeatable positioning.



Your benefits with the Mobile Robot Base



High flexibility in setup & operation

The baseplate with M8 threaded grid allows for the flexible positioning of the robot and accessories. With the swivel castors, the entire robot application can be quickly and precisely positioned at a workstation.



Quick start and low costs

Pre-wiring and professional assembly of the MRB with safety fence by fruitcore robotics allow for a short project duration and minimize overall costs.



Easy positioning

The MRB can be securely bolted to the ground if needed using the included floor anchoring. An optionally available locking system allows for precise and repeatable positioning of the MRB.



Professional and safe

The MRB provides ample space for the professional accommodation of additional peripheral devices. The flexible cable routing with strain relief in the baseplate allows for secure cable installation.

Features of the MRB:

1. Baseplate with 100 mm x 100 mm M8 threaded grid and cable routing
2. Emergency stop
3. Slot for control unit insertion
4. Lockable door & storage space for additional peripheral devices
5. Mounting option for safety laser scanners

A MRB with safety fence also includes:

6. Modular safety fence
7. RFID-monitored safety interlock
8. Control console with two buttons and door request



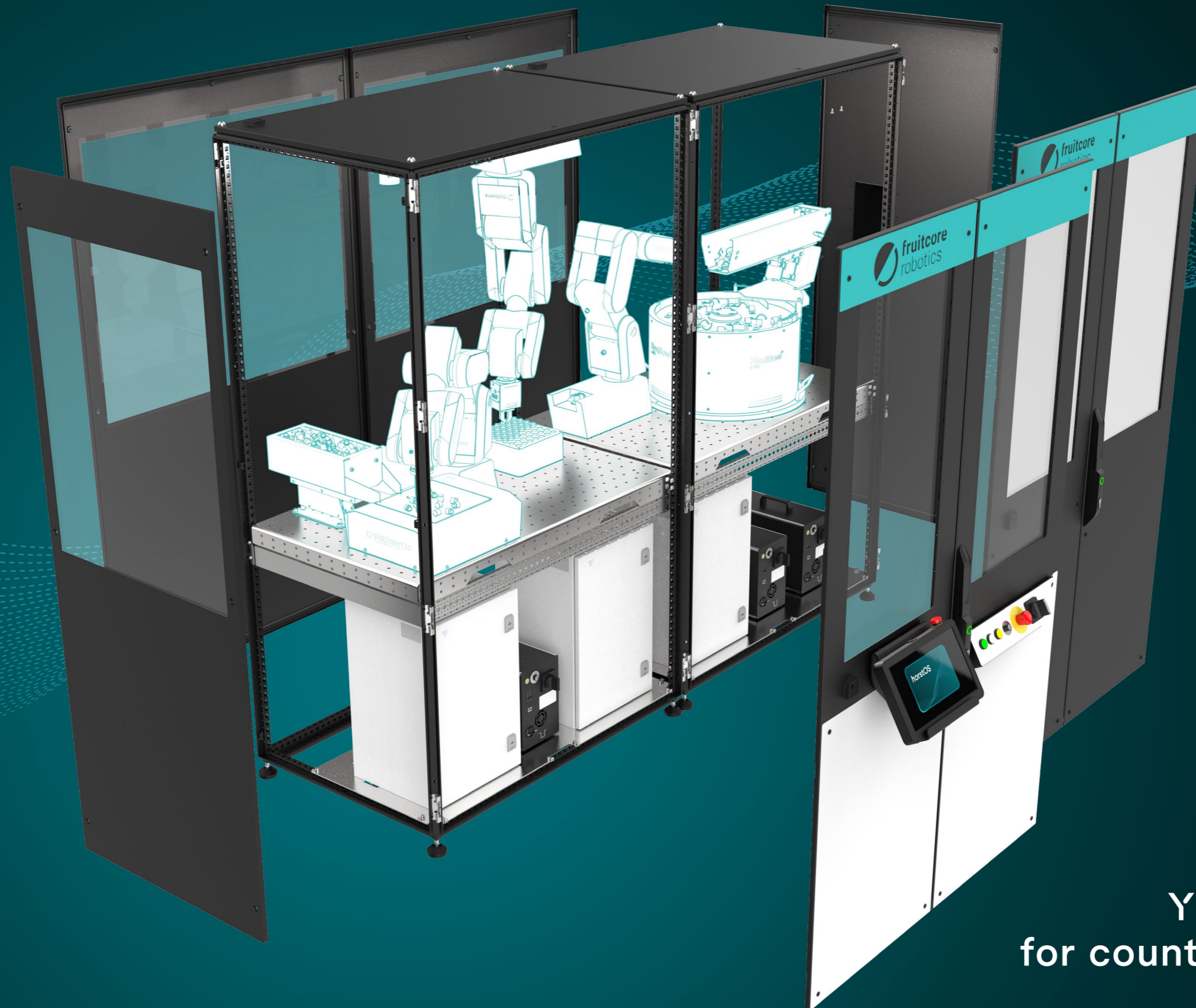
Mobile Robot Base - Further details

Designation	MRB S	MRB M	MRB L
Dimensions (L x W x H in mm)	1000 x 600 x 929	1200 x 800 x 929	1496 x 998 x 929
Empty Weight	90 kg	115 kg	157 kg
Payload Capacity	300 kg	280 kg	240 kg

Mobile Robot Base with safety fence and control console - Further details

Designation	MRB S with safety	MRB M with safety	MRB L with safety
Dimensions (L x W x H in mm)	1000 x 640 x 1940	1240 x 840 x 1940	1532 x 1101 x 2054
Empty Weight	141 kg	176 kg	235 kg
Payload Capacity	250 kg	220 kg	165 kg

Discover boundless robotics!



horstCUBE
Your modular base
for countless applications!

Robot bases

Modular robot base horstCUBE

horstCUBE enables you to achieve the highest efficiency and simplicity in the planning of small and large automation projects. The modular, expandable robot platform with safety technology, control console, configurable side panels, and height-adjustable baseplate can be customized individually for your application.



Features of the horstCUBE:

1. Stainless steel base plate with 50 mm x 50 mm hole pattern
2. Door handle with status indicator and secure monitoring
3. Control console with emergency stop, 3 configurable buttons, 230 V main switch & key selector switch
4. RFID-monitored safety interlock
5. Control cabinet with wired safety technology and space for additional peripheral controls



Your benefits with horstCUBE



Secure implementation of applications

Thanks to its sturdy construction, protected workspace, and integrated safety interlock, you can quickly and easily implement your applications.



Adaptability for your use case

The mounting plate with a 50 mm x 50 mm hole pattern can be mounted at any height. This allows for the free positioning of the robot and, upon request, overhead mounting with an additional mounting plate.



Expandability thanks to modularity

You can easily combine multiple horstCUBEs to create a larger safety area or to replicate multiple manufacturing processes in series.



Ease of use

You can easily control your applications via the integrated control console. This minimizes the risk of errors due to incorrect operation via the panel.

horstCUBE standard configuration - Further details

Dimensions (L x W x H in mm)	1220 x 900 x 2060
Dimensions of control cabinet (L x W x H in mm)	380 x 350 x 600
Base plate with hole pattern (L x W in mm)	1167 x 710
Empty weight	300 kg
Payload capacity	200 kg

horstCUBE - Configurator



Base module with base plate



Side panel 800 with window



Side panel 800 without window



Side panel 1200 with window



Side panel 1200 without window



Door 1200 with control console, window, control cabinet, safety interlock



Door 1200 with control console, control cabinet, safety interlock without window



Door 1200 without control console with window



Door 1200 without control console without window

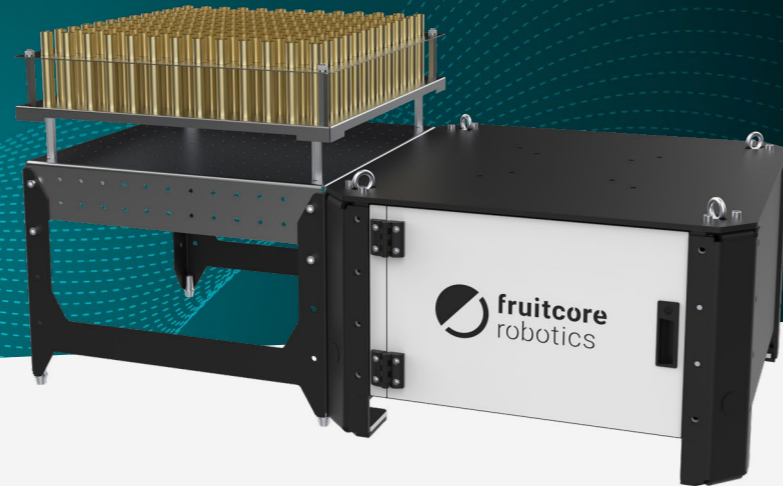


Individual customizations (upon request)

Robot bases

The expandable robot base

Discover the benefits of our robot base now and optimize your manufacturing processes simply and efficiently. Tailor the parts supply to your needs and maximize the autonomy runtime of your application. With easy handling using a pallet truck, you can effortlessly transport the base along with the robot and quickly put it into operation. Furthermore, we offer a variety of optional accessories for machine loading and palletizing on Euro pallets.



Your benefits with the robot base



Stable structure

The stable robot base ensures that the robot works safely and precisely, even with high payloads and travelling speeds.



Convenient transport

The easy handling with the pallet truck allows for uncomplicated installation and maintenance of the robot application, making the machine quickly accessible.



Versatile accessories

With optional accessories for machine loading and palletizing on Euro pallets, the robot base offers you a flexible solution for various applications.



Precise positioning

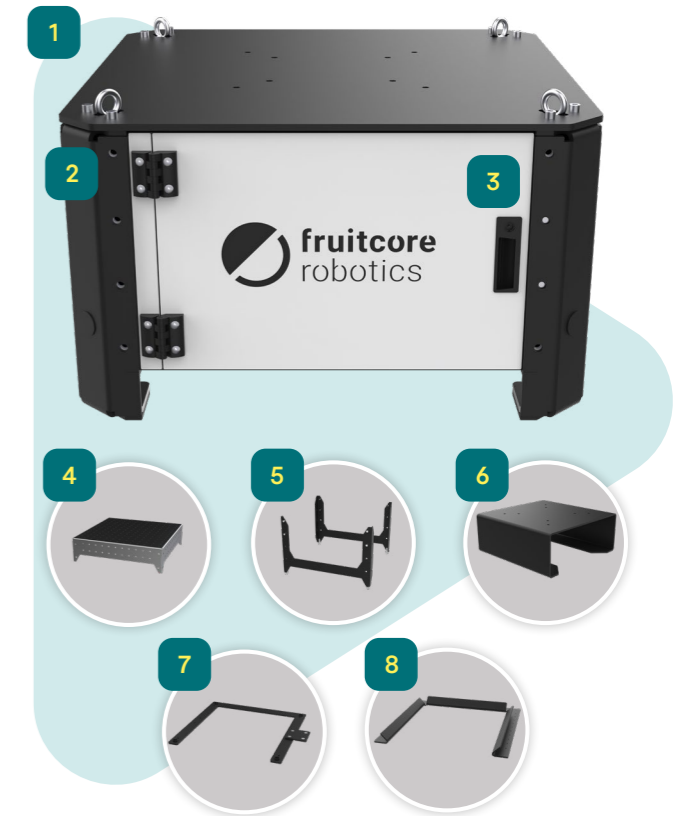
The optional positioning unit ensures precise and repeatable placement of the tray holders for machine loading.

Features of the robot base:

1. Robot base with transport lugs
2. Side mounting grids for attaching tray holders
3. Lockable door & storage space for control and other peripheral devices

OPTIONAL ACCESSORIES

4. Tray holder with 50 mm x 50 mm grid
5. Feet for the tray holder
6. Elevation for the robot
7. Centering station for robot base or tray holder with feet
8. Centering station for Euro pallets

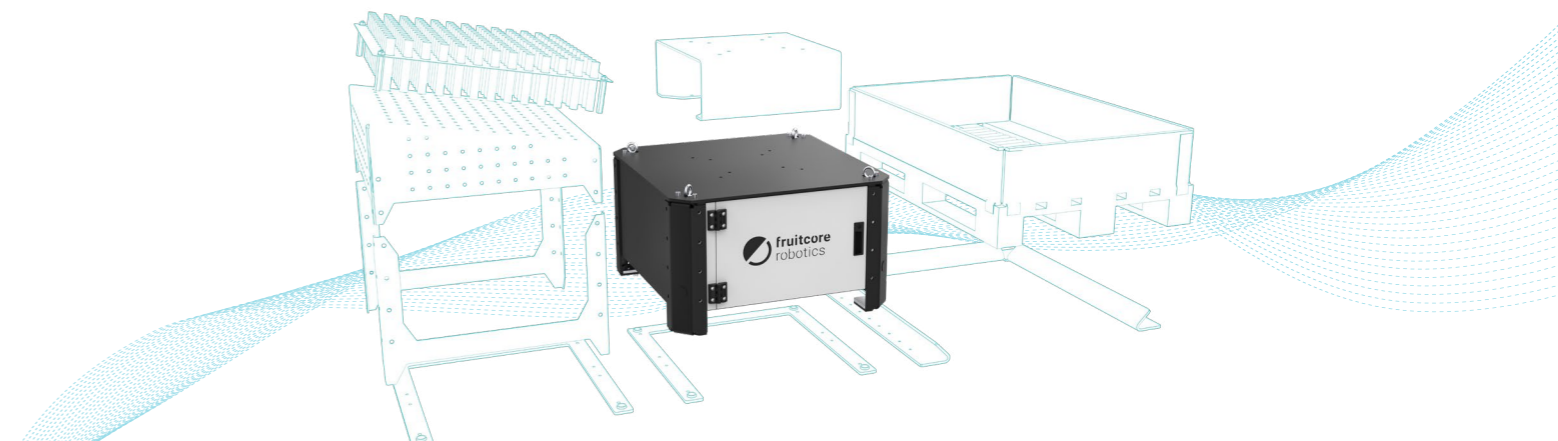


Standard configuration of robot base - Further details

External dimensions (L x W x H in mm)	792 x 792 x 482
Internal dimensions (L x W x H in mm)	764 x 764 x 362
Empty weight	160 kg
Load capacity	1000 kg

Robot base accessories - Further details

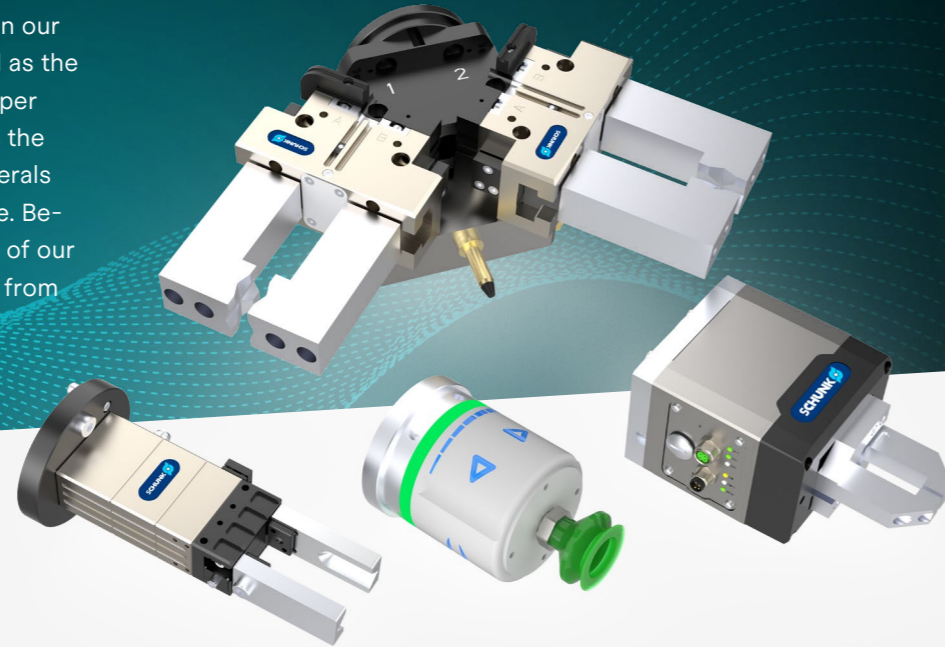
Dimensions of tray holder (L x W x H in mm)	672 x 672 x 119
Dimensions of tray holder with feet (L x W x H in mm)	680 x 680 x 482
Dimensions of riser for robot (L x W x H in mm)	500 x 500 x 200



Gripping systems

Ready-to-use gripping systems

Our integrated gripping systems offer you an unbeatable advantage: Immediate readiness for use. With the gripper information stored in our central control software, horstOS, as well as the realistic 3D data, you can control the gripper immediately after installation. This makes the setup and operation of your robot peripherals easier and more efficient than ever before. Benefit from the time savings and efficiency of our solutions and maximize your productivity from the very first moment.



Your benefits with our ready-to-use gripping systems



Easy commissioning

All gripping systems are already integrated as 3D models in our software to ensure smooth and error-free commissioning in your process.



Fast start

The gripping systems are delivered as a kit with mechanical adapters, electrical wiring, and a set of standard gripper jaws or suction cups, allowing you to start immediately without integration effort.



Professionally validated selection

The offered gripping systems have been carefully validated by our application engineering team and tailored to your needs as a complete package.



Direct access to expertise

If you have any questions about our pre-selected gripping systems, you can rely on the expertise of our application engineers to optimize your robot applications.

With a gripping system kit, you receive:

1. Gripping system - electric or pneumatic
2. Mechanical adapter including fasteners
3. Plug-and-play signal cables and external energy chains
4. Gripper jaws or suction cups



Gripping systems - Further details

	Typ	Weight	Stroke	Part weight*	Application	Special feature
	2-jaw parallel gripper (electric)	320 g	6 mm	0.7 kg	Pick & place Part separation	Compact, cost-effective
	Small parts gripper (electric)	620 g	26.5 mm	0.3 kg	Pick & place Part separation	Component variance, variable stroke
	Double gripper 64 (pneumatic)	1620 g	6 mm	1.75 kg per gripper	Machine tending	Best cycle time, lightweight parts
	Double gripper 80 (pneumatic)	2100 g	8 mm	2.75 kg per gripper	Machine tending	Best cycle time, heavy parts
	Vacuum suction gripper (electric)	230 g	-	1 kg	Pick & place Part separation	Integrated vacuum pump

*Recommended part weight. Higher part weights are possible in consultation with our application engineering.

Material feeding

Efficient accessories for flexible material feeding

Our accessories for robot part singulation enable you to smoothly start automating your production processes. With three different recommended variants, we cover a wide range of tasks - and will also find the suitable solution for your specific application.



Your benefits for material feeding



Tested and ready to plug in

Thanks to the coordinated, ready-to-use components, you can start production straight away without wasting time on complex set-up.



Flexible options

Choose from our variants to find the optimum solution for your requirements in terms of component specification, parts provision and parts variance.



Everything from a single source

With us, you receive the coordinated, pre-wired components from a single source and don't have to worry about compatibility and integration.



Comprehensive support




We will assess your requirements on site and support you in selecting the right components to ensure optimum results.

With a material feed kit you receive:

1. Robot guidance system
2. Vibratory hopper
3. Feeding system
4. Control cabinet - power supplies and controllers of all involved components are fully wired in the delivery state



Further details on our recommended variants:

	Variant A	Variant B	Variant C
			
Part size	5 - 50 mm	5 - 50 mm	up to 200 mm
Part weight	5 - 200 g	5 - 100 g	up to 1kg
Part provision	Via bulk material in vibratory hopper and feeding system	Via bulk material in vibratory hopper and feeding system	Via conveyor belt or stacked in a blister or crate
Part variance	Parts with distinct outer contour	More complex, reflective components with variable outer contour	Parts of various geometries and sizes, including challenging surfaces
Components	Vibratory hopper, Varioshaker, SICK robot guidance system	Vibratory hopper, Flexibowl and Grasping Kit from SCHUNK	Ensenso robot guidance system



The Digital Robot Platform of fruitcore robotics offers you all modules for optimal automation, from project planning to ongoing operation. It includes not only industrial robots, but also a central control software, pre-configured automation modules and supporting services.

You benefit from:

- Highest economic efficiency due to minimal acquisition and maintenance costs with a long service life - usual ROI in less than 6 months
- Highest flexibility through quickest and easiest set-up as well as programming without coding expertise - reprogramming and new programming of the process in less than 60 minutes
- Highest efficiency through the simplest and fastest project planning with patented preconfigured automation modules - only 15 % of the usual effort compared to standard market integration

The Digital Robot Platform of fruitcore robotics makes it easy for you to implement camera-based quality inspection, machine loading and unloading, dosing and gluing, flexible parts separation and pick and place processes.

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