

## — Factsheet

# robobrain.eye in a nutshell

## robobrain.eye - the eye of the robot

Hand-eye coordination is one of the most complex challenges in robotics. What humans learn naturally and instinctively in the first year of life is one of the biggest challenges in automation: seeing, recognizing, grasping objects. Using **Artificial Intelligence** and the industrialized 2D/3D camera robobrain.eye, robominds gives the robot intelligent perception. Human-like grasping thus becomes reality.

### Industrialized

industrialized, waterproof 2D/3D-camera

### Flexible

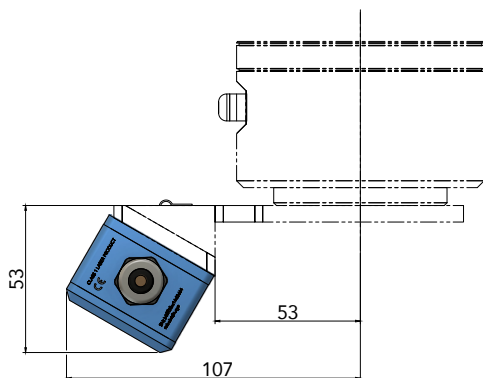
2 mounting possibilities: dynamic on the robot arm or static over the application

### Compact

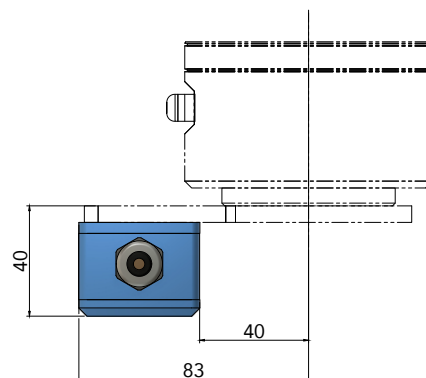
400g own weight, 151x44x34 mm



## — Mounting possibilities on the robot



Flange mounting 30°



Flange mounting 0°

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## Flexible picking for the industry

The smart combination of robobrain®, robobrain.eye and suitable robobrain.skills is the basis for various picking solutions. Thanks to **Artificial Intelligence** and self developed vision algorithms, robobrain.eye can identify the position of objects independently of coordinates and autonomously calculates their optimal picking points.

Extended by a robot arm and any gripper technology, smart picking solutions can be easily created for various processes and application areas. robobrain.eye enables the robot arm to recognize and grasp different objects - without any teach-in.

### Coordinate-independent

autonomous, coordinate-independent  
recognition of parts and goods

### Flexible

separation of chaotically stored bulk material,  
overlay of objects possible

### Expandable

modularly expandable through existing robobrain.skills or  
custom-developed applications

### Compatible

independent of robot and gripper manufacturers

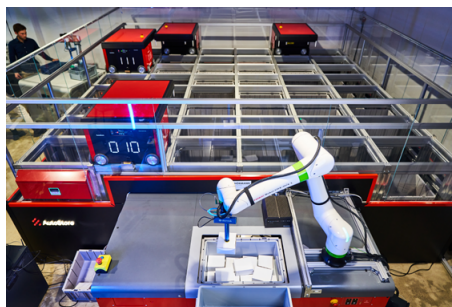


## — Application areas

Thanks to its flexibility, robobrain.eye can be used in a wide range of industries - whether logistics, healthcare, automotive, e-commerce or food.



Lab Automation



Warehouse Automation



Research and Development



## AI out of the box



### The all-in-one package: open, set up, get started!

Getting the robobrain® package up and running is as easy as it can be: robobrain®, robobrain.eye and AI skills come as an all-in-a-box package, completed with a quickstart guide in form of a video tutorial.

#### — Get started now!

Go to the video tutorial here:



### — Unboxing robobrain®

## Just 5 steps to the first pick

01

unpack  
suitcase

02

mount  
robobrain.eye

03

calibrate the  
camera

04

define the  
workspace

05

upload AI skill  
and get started

### Interested in the robobrain® Package?

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— Roland Singer  
Partner Manager

 robominds