

# Rob-Flex

## – High speed pick'n'place

### Turnkey unit – ready to integrate

RobFlex is designed for light weight parts that needs to be picked very fast, as part of processes like packaging, sorting or similar. Each subsystem – vision, delta robots, control system and User Interface is put together so that it is a complete ready to run system for very fast picking. The solid frame in stainless steel makes RobFlex suitable for almost any environment.

### Modularity ensures that your capacity demands can be matched

RobFlex is single standard units that can be put together in series so that put together it forms a total system with the needed capacity. This makes it possible to expand capacity just by adding another module.

Each module is a separate unit with its own controller, this means that modules will run even if one module is stopped. So the series of modules gives production security.

### Optimized design makes it suit all industries also food production

The gentle handling makes it very suitable for high speed handling of fragile objects often found in the food or medical industry.

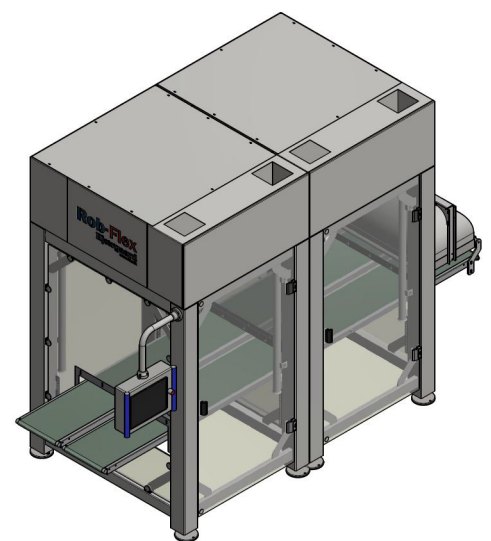
The very sturdy design also makes it very suitable for use in harsher environments like metal industry or the like.

RobFlex can be built with a robot unit that can be washed, so it can be used in direct food packaging.

### Op to 150 picks pr. minute pr. unit

The robot can be 2 axis and up to 5 axis and there are models that handles up to 20 kg. The capacity is up to 150 picks pr. minute with up to 3 kg axis load. Integrated with our vision system and system software a fast and reliable picker system can be made for your needs.

See the application example on the back



**Model: RF2**



**PICK AND PLACE**

**PACKING & HANDLING**

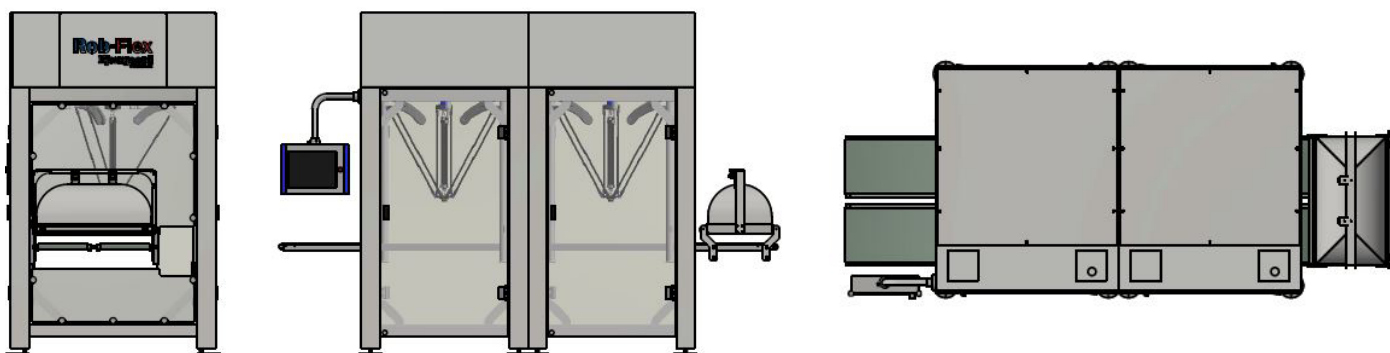
**PALLETIZING**

**3D PALLET INSPECTION**

**AGV**



By connecting several **Rob-Flex** units  
we can match the capacity and back-up safety your production needs.



**RF2** from the side and top

#### MODEL: RF2

Doublepicker	Pick'n'place modul, Kjærgaard
RobFlex RF2, dimensions (L x B x H)	2700 x 1660 x 2770 mm
Picking tool single	Vacuo
Robot	2 - 5 axis
Capacitet	Up to 150 picks each minut
Working range (Max)	From Ø500 x 155mm til Ø1600 mm x 350 mm
Robot total tool load	Up to 35 kg
Position repeatability	Fra $\pm 0,1$ - $0,5$ mm
Robot-guidance	RobOptic, Kjærgaard
Vision	Positions guidening
Conveyor system	In & Out
Food grade capability	FDA approvable - Option
Options	4/5 axis, Wash down version

**Kjærgaard**  
www.kia.dk

Løsning · Odense · Fredericia  
Skive · Dronninglund

T: 7565 0000  
info@kia.dk



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