

Perfect solutions for all
hands-on robotic training courses
_ready2_educate



KUKA ready2_educate: Easy learning of the professional use of robots

KUKA ready2_educate is the perfect training cell for hands-on education in robotics. It was specially designed for schools, universities and company training facilities.

With the mobile training cell, the skilled specialists of tomorrow learn the professional use of industrial robots.

ready2_educate at a glance:

- High flexibility
- Fully equipped
- User-friendly
- Modular design for expansion
- Space-saving
- Plug'n'teach
- Training materials starting at "pro" configuration level (available for schools, universities and company training facilities upon request)

With ready2_educate, the skilled specialists of tomorrow can be trained in the professional operation of industrial robots. In this way, they receive optimal training in robotics. The modular training cell incorporates the KR 3 AGILUS small robot and our service-proven KR C4 compact controller – while also being equipped and preconfigured for special didactic applications.

Another plus point: thanks to its manageable size, the cell can be transported easily on a hand forklift. Beyond this, it also fits through standard doorways and in typical passenger elevators.

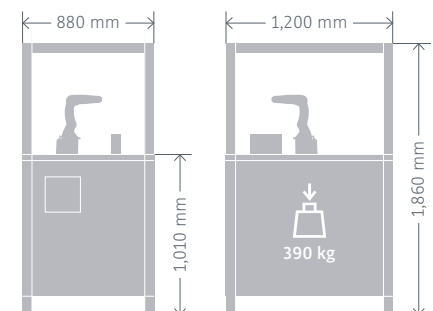
Depending on the configuration level (see product matrix), the ready2_educate packages offer you the following advantages:

- Agile training applications tailored to the KR 3 AGILUS as well as a second application surface for individual tasks
- Everything in a single package: gripper, magazine with cubes, pen, paper holding frame and “hot wire” practice set
- Preconfigured and ready for operation – including example programs and exercises
- Exercises and levels of difficulty can be customized by reconfiguring the modules on the grid of the application plate
- Cleverly built cell which can fit in any training room



| | |
|--|-----------------------------|
| KR 3 AGILUS | KR 3 R540 |
| Max. reach | 541 mm |
| Rated payload | 3 kg |
| Pose repeatability | ±0.02 mm |
| Number of axes | 6 |
| Installation position | Floor, ceiling, wall, angle |
| Robot footprint | 179 mm x 179 mm |
| Weight (only robot, excluding controller), approx. | 26 kg |
| Controller | KR C4 compact |

| Product matrix overview | ready2_educate _basic | ready2_educate _pro | ready2_educate _advanced |
|-------------------------|--------------------------|------------------------|-----------------------------|
| Features | | | |
| Cell housing | ✓ | ✓ | ✓ |
| Electric components | ✓ | ✓ | ✓ |
| Simple standard gripper | ✓ | – | – |
| Application gripper | – | ✓ | ✓ |
| Cubes | ✓ | ✓ | ✓ |
| KR 3 application | – | ✓ | ✓ |
| PLC and touchscreen | – | – | ✓ |
| Option Vision | optional | optional | optional |
| Upgrade pro | optional | – | – |
| Upgrade advanced | optional | optional | – |



Power supply (must be provided by the customer)

| | |
|--|--|
| Rated supply voltage | 200 V AC to 240 V |
| Permissible tolerance or rated voltage | ±10 % |
| Main frequency | 50 Hz ± 1 Hz / 60 Hz ± 1 Hz |
| Rated connected load | 2 kVA |
| Thermal power dissipation | max. 400 W |
| Main-side fusing | 2 x 16 A slow-blowing (1 [2] x phase, 1 x neutral conductor [optional]) |

Compressed air supply (must be provided by the customer)

| | |
|--------------------|---|
| Compressed air | oil-free, dry, filtered (max. particile size 0.01 mm) |
| Operating pressure | 6 bar, max. 8 bar |

www.kuka.com/contacts

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