

UR Robots

The pick & place robot removes cut parts from the unloading area of the cutter and sorts them. This increase the degree of automation of the cutter system and raises the productivity.

The collaborative robots of the manufacturer Universal Robots are designed to work hand in hand with human operating personnel. With six joints and unrivaled flexibility, they are able to imitate the movement of a human arm.

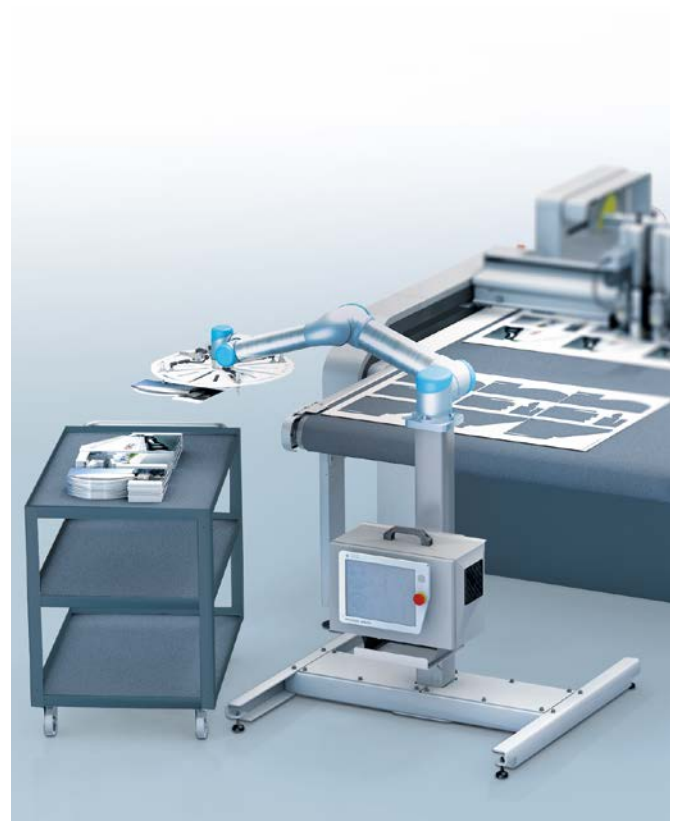
The UR5 and UR10 robotic arms are equipped with an interface kit for use with Zünd cutters. This allows them to seamlessly integrate into the Digital Cutting Workflow. An optional gripper set as well as a mounting pillar and a mounting foot are available.

At the start of a new job, the robot must learn the sequence of movements that are required to sort out the various parts. Programming is quick and easy thanks to the innovative touchscreen.

The simple and intuitive operation allows the pick & place robot to also carry out jobs with small quantities extremely economically. At the same time the personnel are freed of monotonous, repetitive activities.

If the ZCC is used, repetitive jobs are automated even further with automatic job detection via QR code. The sequence of movements already learned is automatically selected on the robot by the ZCC.

Find further details of our collaborative robot on the homepage www.universal-robots.com



ZSF08-2015-m&k

Details

The interface between the Zünd Cutter and the robot is only available for robotic arms UR5 and UR10 from Universal Robots.

Control of the robot only via front-end software. Full support by ZCC from version 2.4.2

Can only be used in combination with a front cutter extension.

Compatible with **G3**, **S3**.

Benefits at a glance

Fully automated production process for board and panel material with high process reliability.

Removal and sorting of cut parts in one work step.







Quick and easy configuration.

Maximum productivity through increased degree of automation.

The user is freed of monotonous, repetitive activities.

Order information

The collaborative UR5 and UR10 robotic arms can only be obtained from Universal Robots or their sales partners. The interface to integrate the robots in Zünd cutters is available from Zünd.

Components for the pick & place robot	Order information Universal Robots	Item number Zünd Systemtechnik
 <ul style="list-style-type: none"> UR5 robotic arm – Work radius max. 850 mm – Load capacity max. 5 kg 	<p>see www.universal-robots.com</p>	–
 <ul style="list-style-type: none"> UR10 robotic arm – Work radius max. 1,300 mm – Load capacity max. 10 kg 		
 <ul style="list-style-type: none"> Interface kit – electrical components – Startscript 	–	6539903
 <ul style="list-style-type: none"> Gripper set* – Plate – Hoses – Maintenance unit – Suction cup – Load capacity max. 3 kg 	–	6539221
 <ul style="list-style-type: none"> Mounting pillar* 	–	6539222
 <ul style="list-style-type: none"> Mounting foot* 	–	6539223

* The gripper set, the mounting pillar and the mounting foot are also optionally available.

The configuration of the pick & place robot is dependent on the cutter size and the individual requirements of the material handling system. The close cooperation between the customer, Zünd, and the Universal Robots dealer in the preliminary stages of ordering ensures an optimum configuration. Integration of the whole system is the responsibility of the robot sales partner.