

AOCS

Automatic Orientating
Clamping System



DESCRIPTION

The AOCS (Automatic Orientating Clamping System) by Bilz makes the fully automatic change of tools during machining with industrial robots possible.

The quick change system can be engaged and disengaged whatever the rotational position of the spindle. After arriving at the magazine, an axial movement in the direction of the quick change adaptor is all that is required. An axial movement in the opposite direction disengages the quick change adaptor.

The reliable and robust interface to the automatic tool change means that saving of valuable machine time is possible. Just like a relay race, the changeover is the critical factor for success.

Do not lose time and continue the process seamlessly.





Accurate,
robust, easy –
the quick
change adaptor
for a reliable
changeover

FEATURES

- **quick and automatic tool change, independent of the rotational position of the spindle**
- **for deburring, brushing, polishing, grinding, etc.**
- **suitable for tool and component guided machining**
- **axial length compensation on tension and optionally also on compression**
- **interface to the machine according to customers' specifications**
- **standard quick change adaptor with collet or specifically adapted to your application**

ADVANTAGES

- **increased productivity due to reduced tool change times**
- **one clamping chuck for different quick change adaptors, specific to the application**
- **can be used in combination with less complex spindles**
- **easy system integration**



Anyone who has focussed on cycle times during processing will probably have used a component guided process with all its disadvantages.

The quick change system AOCS means that tool guided processing becomes more attractive. The advantages here are the smaller loads which have to be moved as well as the smaller work space needed.

But there are also advantages of the AOCS in component guided processing. The changing of worn tools is quickly done and easily automated.

Whichever machining process you choose, the AOCS from Bilz optimizes your process.



Switch to
fully-automatic
machining
with Bilz.