



Superior Clamping and Gripping

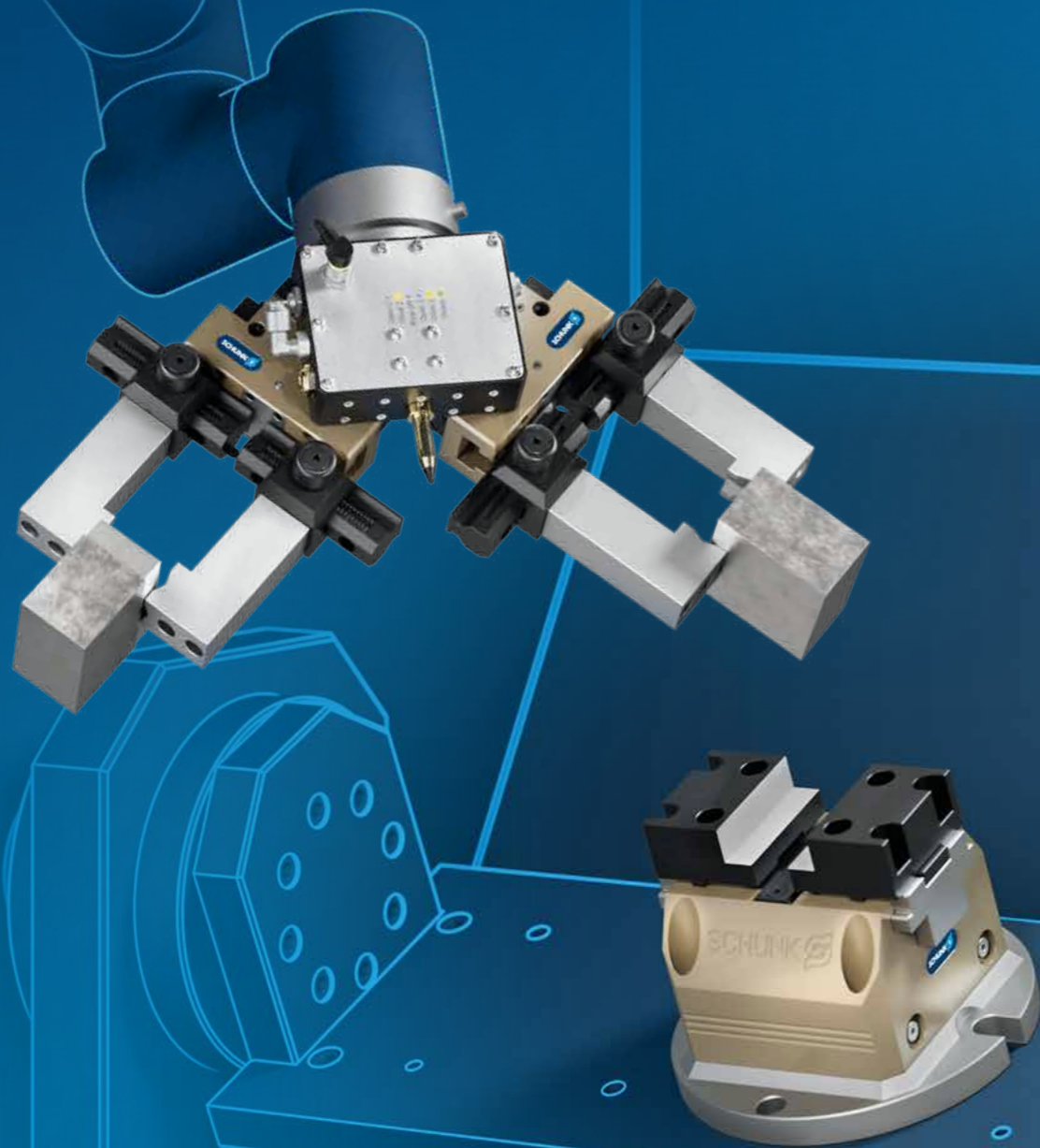


## MTB Application Kits

Suitable Kits for Automated  
Machine Loading with Cobots

## The easy Way to automate – Application Kits from SCHUNK

Diverse automation scenarios can now be implemented in no time and with minimal effort. With its MTB application kits, SCHUNK offers easy-to-integrate packages for automated gripping, clamping and changing of workpieces. Components that are well matched to one another down to the very last detail merge seamlessly into the machine environment. The kits are equally suitable for automation beginners and professionals.



## Cobots optimize Machine Loading

Machine loading becomes child's play with cobots. In perfect coordination, they reliably support people during repetitive and monotonous work steps. This creates greater freedom for employees to be deployed for more demanding tasks.

Conclusion: Cobots can be easily integrated into the loading and unloading process and are a big step in creating a smart production environment.

### The advantages of machine loading with cobots are:

- Increased production capacity
- Increased degree of automation
- Reduced physical workloads for the employees

Robots are at the heart of automation. However, the possibilities of automated machine loading are only fully exploited when the machine is loaded with the right components.



For more information  
on the MTB application kits  
[schunk.com/plug-work-mtb](https://schunk.com/plug-work-mtb)



# MTB Application Kits at a Glance

## Metal cutting with SCHUNK: Automatic. Process-reliable. Efficient.

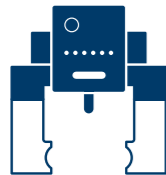
Three application kits are available. All kits are extremely robust and demonstrate impressive reliability, especially in harsh environments. A connection kit adapted to the robot enables perfect interaction between the component and cobot.

### Your Benefits

- **Process reliability**  
By means of a sealed valve box, the electronic system is protected against dust, chips and oil
- **Work relief for the employees**  
This is achieved by automated removal of chips and coolant from the workpiece and clamping force block
- **Increase in productivity**  
The double gripper kit enables workpiece removal and reloading of the machine in one robot cycle

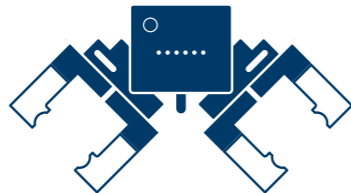
### Space-saving: Single Gripper Kit

For an easy entry into automated machine loading. Perfect in confined spaces.



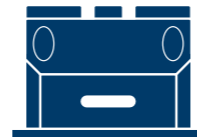
### Effective: Double Gripper Kit

Loading and unloading in just one cycle. Optimized cycle times for increasing machine productivity.



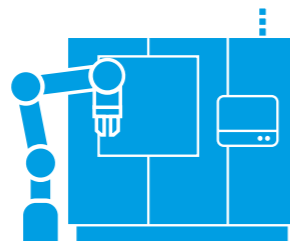
### Reliable: Clamping Force Block Kit

The interplay between the grippers and the automated clamping force block increases productivity of the metal cutting machine.



### Robot Connection Package for Gripper and Clamping Force Block

For fast and seamless integration. Available as standard for a variety of cobots from different manufacturers.



### Single Gripper Kit



#### Single Gripper JGP-P

- JGP-P 80-1 or 100-1
- Sealed valve box
- Integrated blow-off nozzle



### Double Gripper Kit



#### Double Gripper JGP-P

- JGP-P 64-1 or 80-1
- Sealed valve box
- Integrated blow-off nozzle



### Clamping Force Block Kit



#### Clamping Force Block PGS3

- PGS3 100
- Sealed valve box
- Integrated flange



### Robot Connection Package for Gripper or Clamping Force Block

The robot connection packages are finely tuned to the corresponding cobot and include all the necessary components to successfully adapt the gripper to the robot. A software module ensures seamless integration into the robot control system.



### Accessories from SCHUNK – for more Options

The following components make the application kits even more productive:

- **Universal intermediate jaw for grippers**  
allowing fast, tool-free and reliable adjustment of the gripper stroke range
- **Jaw quick-change system for grippers**  
for fast, manual and tool-free exchange of top jaws
- **Finger blanks**  
Blanks for grippers or clamping force blocks with prefabricated mounting holes for rework by the customer
- **Universal top jaw for grippers**  
for gripping cylindrical or square workpieces

Do you have further questions about the MTB application kits?  
Please call +49-7133-103-2992 or contact us at [mechatronics@de.schunk.com](mailto:mechatronics@de.schunk.com)

We print sustainably



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