



## PROCESS **AUTOMATION**

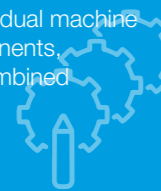
### SPALECK Oberflächentechnik GmbH & Co. KG

As the world-wide leading manufacturer of machines and complete lines for the surface finishing technology SPALECK Oberflächentechnik GmbH & Co. KG has been developing customized processes for the surface finishing for about 100 years. Next to the manufacture of standard machines such as round tub vibrators, drums as well as centrifugal finishing and through-feed machines SPALECK Oberflächentechnik GmbH & Co. KG is the specialist for combined surface finishing solutions with a high degree of automation. The complex processing techniques are complemented by a comprehensive choice of processing media. Applicants of the diecasting, the chain and the mint industry as well as of the additive manufacturing industry rank among the international clientele of SPALECK Oberflächentechnik GmbH & Co. KG.



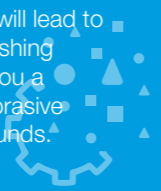
#### Machines

Whether a single machine or a complete system – we design your individual machine of proven components, which can be combined variously.



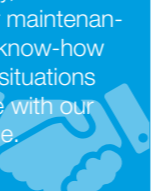
#### Processing media

Only the interaction of the machine with the most suitable processing media will lead to optimal surface finishing results – we offer you a wide portfolio of abrasive media and compounds.



#### Service & support

With the development of process technology, machine trainings or regular maintenance visits technical know-how is essential – in all situations we will be available with our founded knowledge.



Subject to misprints, errors and design deviations

www.bn-medienagentur.de



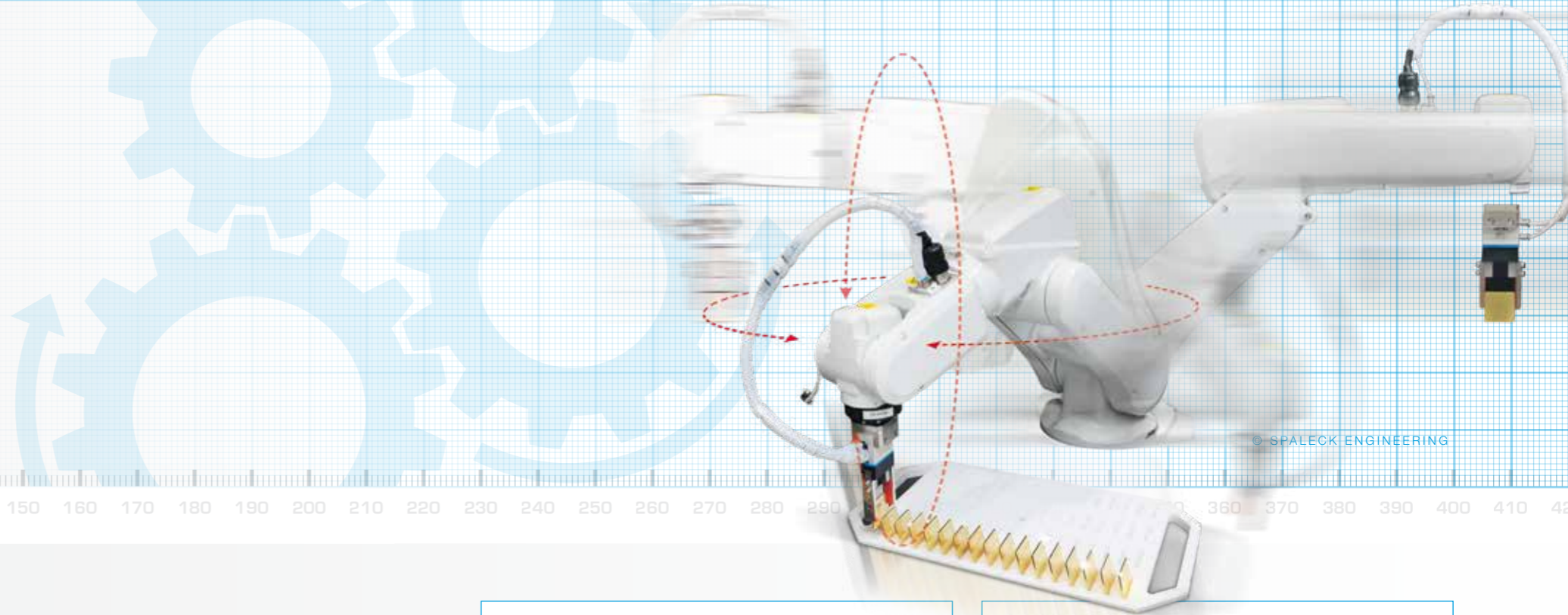
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#### Automation of surface finishing processes

- Upgrade of your SPALECK surface finishing machine and development of individual complete solutions
- Increase in productivity
- Relief of humans of heavy physical / monotonous work
- Reproducibility and improvement of product quality
- Production networking / industrial committee 4.0



# WHY AUTOMATION?



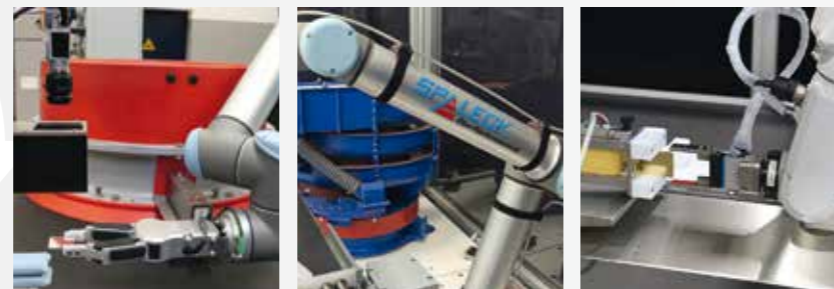
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## Efficiency enhancement and relief!

Automation allows the networking of production processes. Working steps can be reproduced very precisely and the error rate can be reduced considerably with highest product quality at the same time.

Thanks to the automation the operator experiences a noticeable relief and the production process gets much more efficient.

For this reason, equip your present SPALECK surface finishing machine now with additional components for an automation or ask us for an individual complete solution for your application.



## Anything but standard!

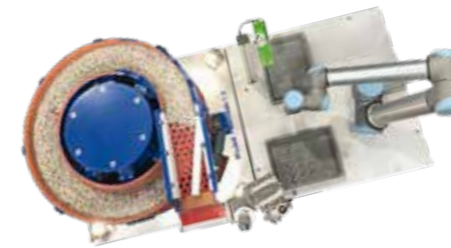
We plan, design and build individual solutions for the automated supply and discharge, exactly tailored to your requirements.

All products of SPALECK Oberflächentechnik GmbH & Co. KG are sustainable, innovative as well as future-oriented and offer best opportunities to be perfectly prepared for the future, especially with regards to industrial committee 4.0.

## BIN PICKING

### Automated feeding of unsorted parts

The parts are randomly, unsorted fed into the SPALECK through-feed machine. The position of the parts is captured with help of camera technology. After the continuous treatment in through-feed the parts are taken by the robot and put down properly.



## PICK & PLACE

### Fully automated processing unit for precious metal bars

Two robots control the feeding and the discharge of the SPALECK centrifugal finishing machine. For this purpose, the gold bars are positioned in a rail, guiding the bars through the working tub. Following the polishing, rinsing and textile drying steps the bars are taken by the robot to put them down properly.



## VISUAL INSPECTION

### Automated processing of precious metal with integrated camera inspection

The SPALECK centrifugal finishing machine is designed for the processing of silver bars. The fully automated polishing process is complemented by a camera inspection unit. The robot organises the feeding and discharge of the parts which are visually checked in a following step. In accordance with the chosen inspection parameters the bars are sorted.



## CONVEYOR TRACKING

### Automated reception of moving parts

Parts with different geometries are fed into the SPALECK through-feed machine via robot. After the processing the parts are discharged onto a conveyor belt. The moving part is captured by the camera, taken by the robot and put down in accordance with its geometry.



### Turnkey solutions

We supply your SPALECK machine including fully automatic feeding and discharge.



### Additional components

We equip your SPALECK machine with the appropriate robot technology.



### Overlapping cooperation

We support you with our know-how for the implementation of your automation processes.