



Machines



Processes



Service



Accessories



## The integrated workpiece changer – 2 $\mu$ unmanned

Productivity meets precision

### Exploit untapped potential

Those who work in manufacturing know that the third shift's full potential often remains untapped. Now, with the KERN Micro's new integrated workpiece changer, you too can easily enter the world of automation.

### Amortized in a short time

Due to the low investment costs, the workpiece changer pays for itself in under 12 months. The simple-to-operate software integrated into the machine controller enables optimal utilization after only a very short familiarization period.

"If you can change tools, you can also change palletes with no problem."

### Your benefits

- Deploy unmanned shifts (nights & weekends)
- Pays for itself in under 12 months
- No additional set-up space needed
- No additional software or interfaces needed
- Exploit the high process stability of the KERN Micro



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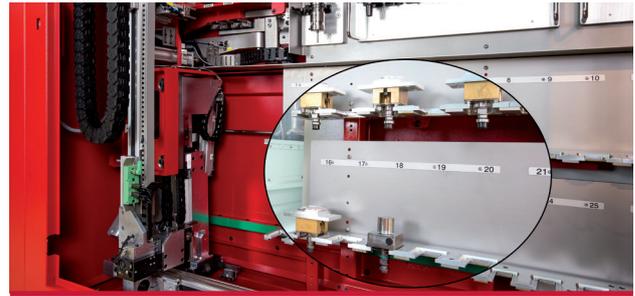


Accessories

# The integrated workpiece changer in detail

## The workpiece and tool cabinet

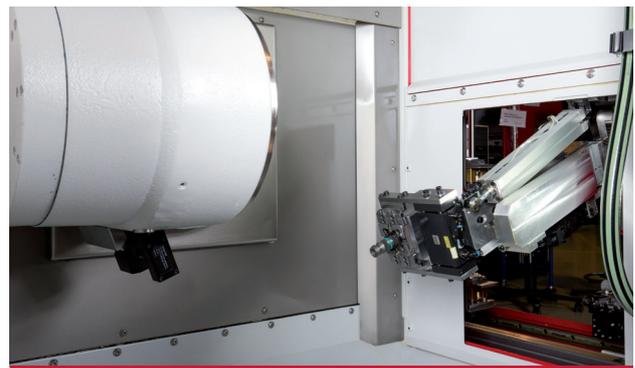
Due to the complete integration of the workpiece changer into the tool cabinet, the existing components are used. This also applies to the total integration of the changer into the machine controller.



Tool and workpiece changer

## Specifications

- Maximum workpiece size:  
75 mm x 75 mm x 150 mm
- Workpiece weight: up to 5 kg
- Number of workpiece spaces: 30
- Additional space requirements: none
- Process stability: contamination-free switching  
via pivoted machine table



Changing procedure with a tilted B-axis

## ROI in under 12 months

- Amortization of changer and palettes:  
under 12 months
- Investment: approx. € 30,000 changer + € 10,000  
tooling (30 spaces)
- Additional revenue: approx. € 39,000 per year  
(based on 50 h per week at € 15/h )
- Assumed workpiece operating time for 10 h  
autonomous production: 20 min (30 spaces)



Workpieces in the magazine

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