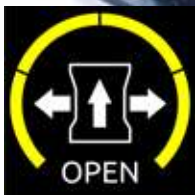


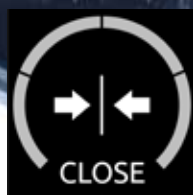


# MTS 4.0

The world's first zero point clamping system  
with *wireless* - digital status monitoring



OPEN



CLOSE



FORCE



ERROR



OPEN

# MTS 4.0 wireless monitoring

The smart version of the MTS clamping system family. It provides all the information that the process control needs for safe machining.

Fully integrated into the machine tool, signals describing the status of the chuck are available. The data is sent wirelessly from the chuck to a receiver integrated in the machine.

Chuck open no pallet

✓ ready to load

Chuck open with pallet

✓ ready to unload

Chuck clamped

✓ ready to work

Chuck closed no pallet

✓ standby mode

**ERROR**

Please check Chuck



MTS 4

# Ready for Smart Factory

## Industry 4.0 ready

The wireless connection from the machine table to the radio receiver in the machine masters the challenge of signal transmission without cables. Electronic monitoring enables completely new evaluations of the chuck condition.



## Full OEM Integration

The integration of MTS 4.0 into a corresponding CNC machine includes the following points:

- Base plate integrated on table with pneumatic supply
- Antenna for receiving the wireless signals from the chuck
- Safe, wireless datatransmission
- Gateway for processing the signals



## The power of knowledge

Preventive maintenance, predictable maintenance costs and precise analyses of the processes are made possible thanks to the available data. The in-depth knowledge of the production steps supports optimisations.



## Designed for the future ...

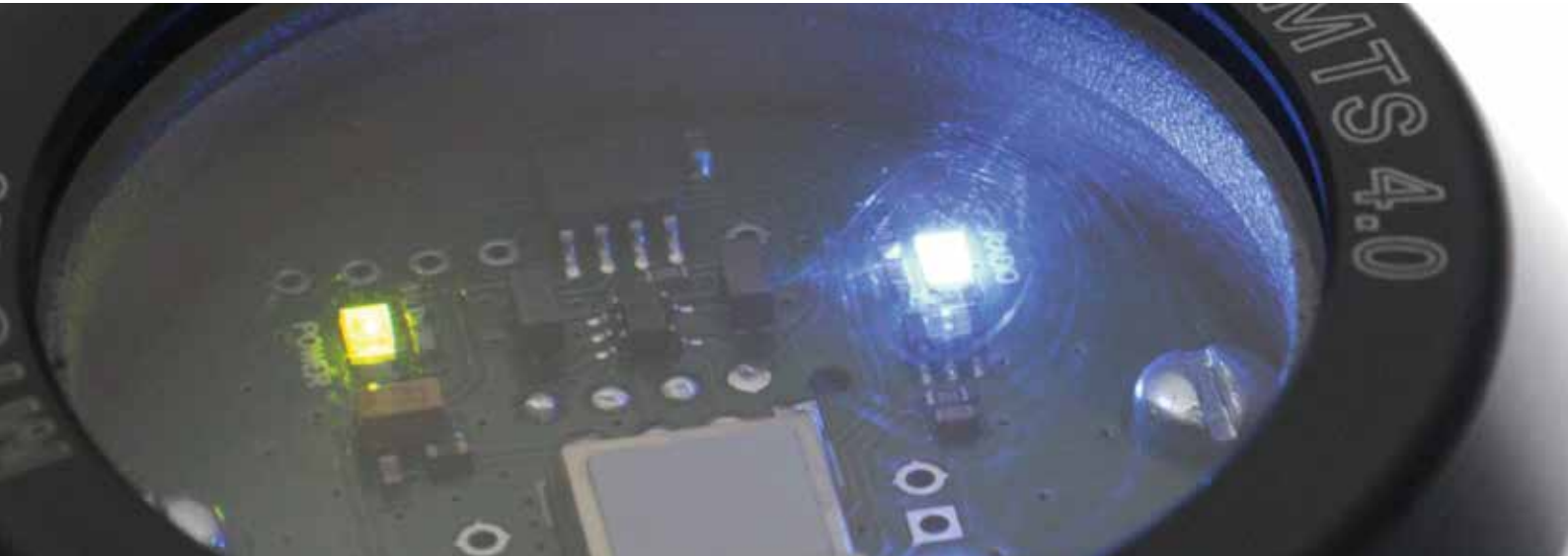
... now available; the zero point clamping system MTS 4.0 supports another step towards the Smart Factory.

### KEY BENEFITS

- Digitally monitored tooling
- Increased process reliability
- Complies with ISO 13849 PLd- Cat 3
- Two pneumatic supply lines only
- For decisions based on facts
- The single source smart solution

# MTS 4.0 The first *wireless* - digital status zero point clamping system

## Safety first



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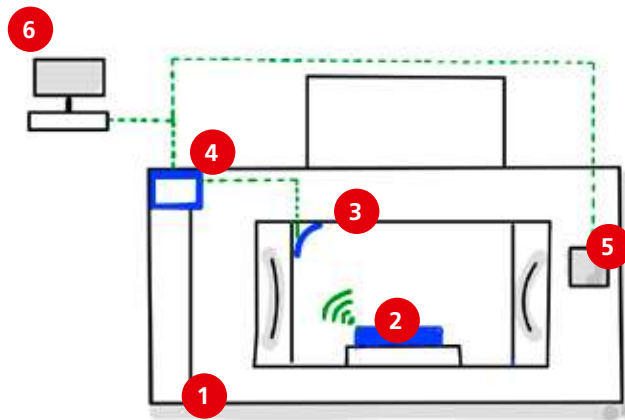
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### In a nutshell

- MTS 4.0 is an innovative and trendsetting solution for process safety.
- The technical implementation of the requirements is groundbreaking and approved for Industry 4.0
- The scalable solution makes it possible to provide all participants with level-appropriate information via standardised interfaces.



1. CNC Machine
2. MTS 4.0 System
3. Wireless receiver
4. Gateway
5. CNC control
6. Servicetool