

TEAMED INJECTOR TEST

AUTOMATED PRECISION TEST SYSTEM
FOR INJECTION DEVICES



Test System for batch release and
high volume production

Easy testing

The TEAMED Injector Test is an automated system developed to perform functional tests on injection devices. Testing is highly efficient and covers a range of selected functions. Only perfectly functioning devices pass the test, irrespective of whether you are testing complete injectors or dosing mechanisms.

TEAMED INJECTOR TEST

CUSTOMER BENEFITS



Dosing mechanism test:
Torque down to 0.001 Nm
Activation force down to 0.01 N



Accurate dial reading

Dynamic torque and force tests in a single process

The TEAMED Injector Test measures torque and force in a single process. To enhance valuable cycle time, with single clamping step, there is no need for time consuming handling. teamtechnik provides dynamic torque testing based on proprietary high resolution and robust measuring systems. The test system simulates the patient behavior throughout the test sequence.

Automated processes deliver maximum safety

The TEAMED Injector Test guarantees ultimate safety and reliability. Based on optimized processes, teamtechnik engineers build custom systems and bespoke solutions for new devices.

Test protocol for data safety

The data interface guarantees that the entire test protocol is transferred to a supervisory system for review or other analytical efforts.

Main processes

- _ Dose-setting torque measurement
- _ Trigger of set dosing stroke and piston displacement monitoring
- _ Verification of dial reading with vision system
- _ Piston force and displacement
- _ Injection quantity, drug volume measurement
- _ Needle length measurement
- _ Cap removal force

Optional

- _ Labeling of NOK devices for traceability purpose
- _ Integrated data storage

Additional benefits

Cycle time 5 – 30 sec. depending on customers specifications

Test software based on LabView

System compliant with DIN EN ISO 11608-1

Compact space-saving design

Proven test platform TEAMED

TEAMED platform is clean room class 7 compliant.



Batch release testing with full automated loading

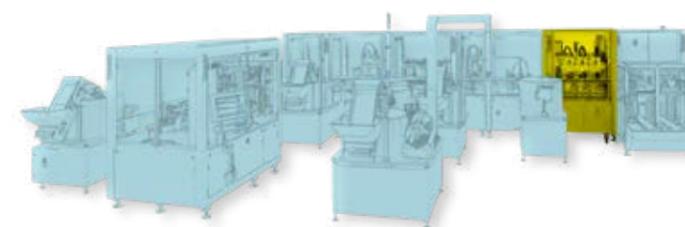
Inline testing: 100% testing of dosing mechanisms

Dosing mechanisms can also be tested inline in a fully automatic assembly system. Critical values are safely and accurately measured, displayed and traced in a highly automated line.

The linear TEAMED platform was developed especially for integrating sophisticated medtech processes. This enables high-precision injection systems to be cost efficiently manufactured in high volumes.

Inline testing

Non-destructive functional testing



Dosing mechanisms

100% inline testing

Offline testing

Destructive and non-destructive functional testing



Dosing mechanisms

Complete injectors

Batch testing

Leading manufacturers of injection systems rely on TEAMED Injector Test. For many years teamtechnik has been delivering proven precision test systems all over the world.

For more information:

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teamtechnik GROUP

GLOBALLY SUCCESSFUL.

At teamtechnik we have been living automation since 1976. Today we are the largest independent assembly and functional test systems specialist in Germany. Over 1000 employees worldwide realize highly efficient production technology for high-tech products; for example, for medical technology, e-mobility and sustainable energy.

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