



FTS Bench : More than a quality check Bench



SCS Concept, 29 October 2019

Edition 1

Internal use ONLY



Product presentation

More than a quality bench, we can manage the factory assembly tools with ONLY one Bench, The FTS



- **A 360° quality solutions :**
 - Manage all your product assembly tools with One Bench on full autonomy
 - Reproduce real joint behavior for testing power tool in real conditions
 - Modular / Customize / Full test capacity perform with battery
- **Safety Solution**
 - Authorize wrench test ONLY if the distance with reaction bar is correct
 - Our brake are automatically release if the torque apply is to high
- **Productivity**
 - Automatic Certification ISO6789-1:2017
 - Do 50 tightening on less than 2 minutes and publish your certificate ISO5393 & VDI 2647 & VDI 2645 (Fastest brake of the market)
 - Automatic Value comparison with Open protocol or SCS protocol
 - Use an external transducer to check your Spindle and all other tools
- **Easy to use**
 - Manage all your assembly tools and your certificate
 - Setup a free test in less than 1 minute
 - Manage your joint simulation to check the power tools setup
 - Fully useable without need to connect the bench to the power supply



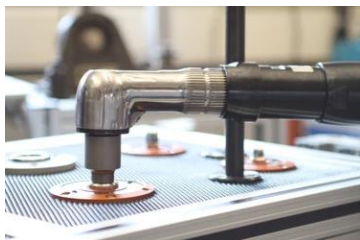


• **A 360° Quality Solution**

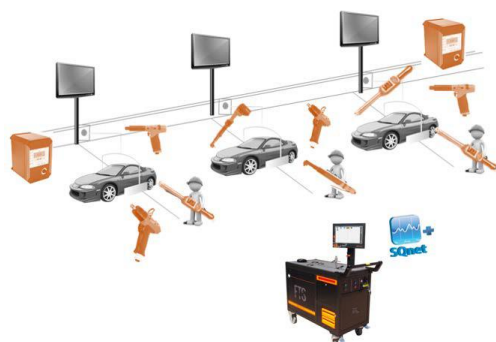
Audit and Manage all your assembly tools with ONLY one bench

- ISO and VDI Certificate
- Tool checking Alarm
- Root checking (SPC)
- Print your test certification
- Control and Monitor the performance of your assembly tools
- Global overview of your assembly tools

FTS Bench allows you to connect an external transducer to check Multi-spindle machines or Pulse tools



Customized report



Root management

• **Safety Solution**

The bench automatically detects if the torque set-up to check the wrench is compatible with the length of the reaction bar

Our brakes automatically release if the torque applied is too high



Minimum length check by FTS

• **Features**

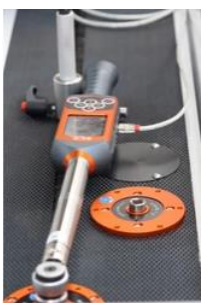
- **Test of wrenches (electronic/digital, click), pneumatic, electric and battery tools, pulse tools (except impact wrenches)**
- Torque accuracy : 0.5% of the read value
- Angle accuracy : +/-1° per 360°
- Joint simulation range for brake : 15° to 360°
- Max speed acceptable for brake : up to 2 000 rpm
- Local database with more than 256 Gb of capacity
- Print / Export / Curves
- Barcode reader to select assembly tools
- Statistic analysis
- Autonomy for up to 8 hours
- Motorized wheel (Optional)
- Automatic brake recognition
- **Comparative test capability**
- Check your assembly tools before integration and during production with the same bench
- FTS bench can perform all types of control using the internal battery



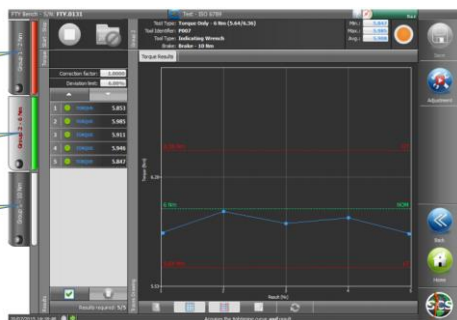


AWT functionalities

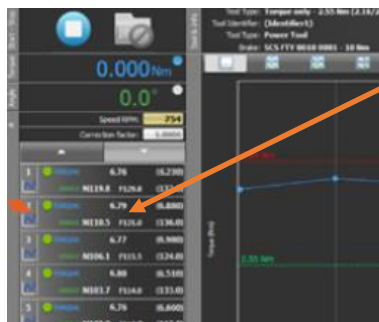
Wrench control and certification



- Automatic wrench test / Certification ISO6789-1:2017 & VDI/VDE2645-2
- Automatic Cm/Cmk statistic analysis
- Compatible with Dial, slip and click wrench tools
- Automatic Value comparison with Open protocol or SCS protocol
- Productivity
 - Improve your productivity with our Automatic wench test
 - Manage X/R chart and validate wrenches in production line



Automatic ISO6789



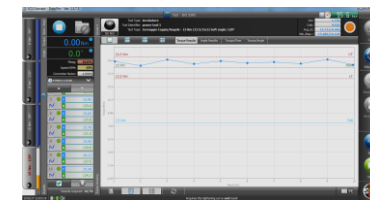
Automatic value comparison

Hybrid bench FTS

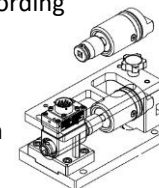


FTY functionalities

Power tools control and certification

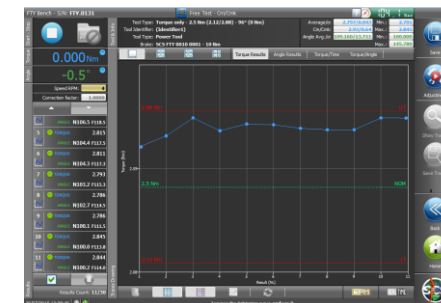
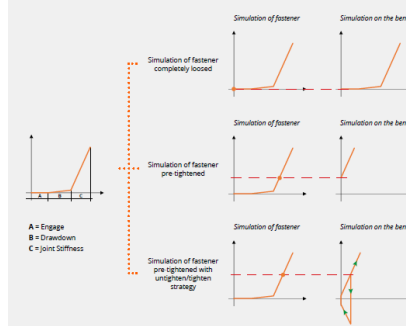


- Dynamic Joint simulation to reproduce assembly joints
- Amazing Joint simulator allows you to conduct **50 tightenings** in less than 2 minutes (Fastest brake on the market)
- Reproduce real joint behavior for testing power tools in real conditions and validate the Multi-step program (According VDI/VDE 2645-2:2014)
- Compatible with all type of tools
 - Spindle with external rotary transducer
 - Impulse tools with our Freedom TH solution



Joint simulation editor

Example of parametrization of a fastener to be simulated



Cm / Cmk following ISO5393





SCS Concept Group

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