

# Technical data

Build your bench		Options
Shapes		
Part. Nr.	Description	SQnet software to manage programs and store tests, result and statistic charts.
313 21 84	Freedom AWT 1	
313 21 85	Freedom AWT 2	
313 21 86	Freedom AWT 3	Motorized Transducer
Part. Nr.	Description	Bluetooth radio for external wireless transducers.  Special communication protocol for customer software.
313 21 0101	Freedom MT3	
313 21 0073	Freedom MT30	
313 21 0069	Freedom MT300	
313 21 0083	Freedom MT600	
313 21 0095	Freedom MT1200	

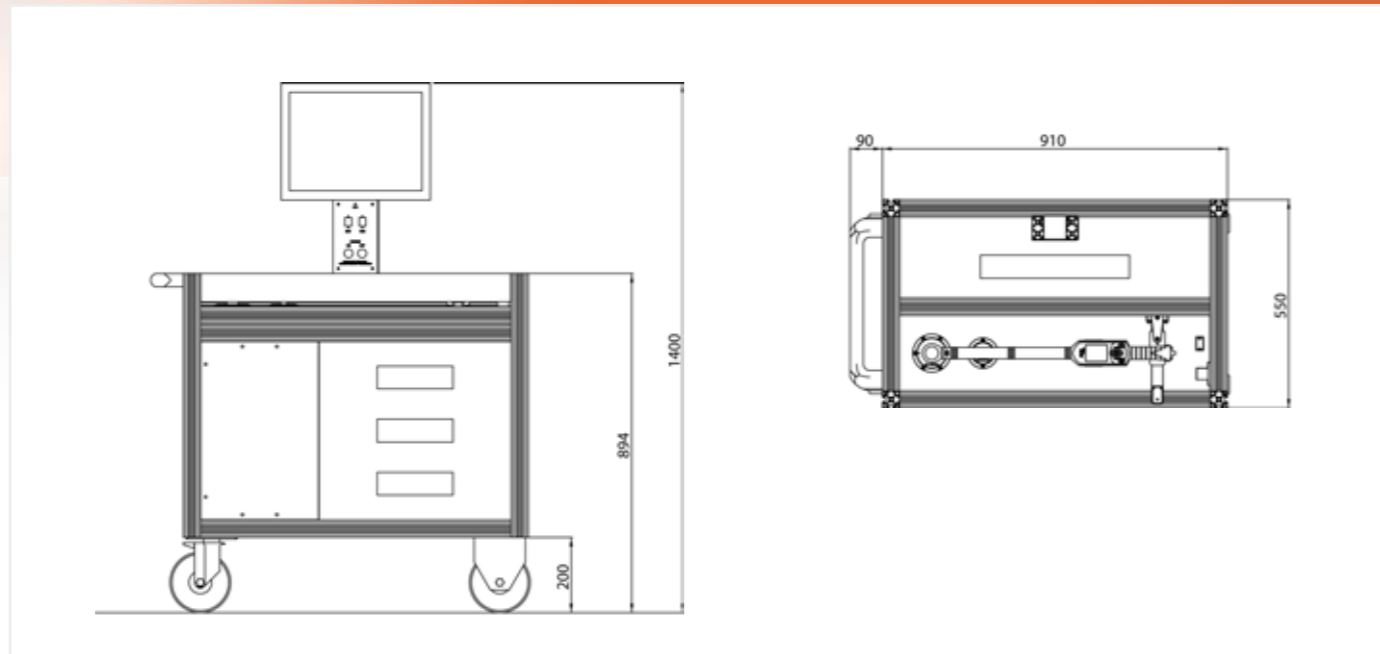


Advanced Tightening Solutions for Quality Control & Production

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## Technical data



# Freedom AWT

Test Bench



Note: the dimensions refer to the bench AWT 20-200 Nm For other models (capacity) AWT please contact your local distributor.

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Your local distributor

**Automatic Wrench Tester**  
The automatic test device  
for torque wrenches

# Automatic Wrench Tester



AWT bench is developed to check torque wrenches (dial and click wrenches) automatically. Its high versatility allows also to verify the angle accuracy of electronic torque wrenches.

## Testing dial wrenches

AWT performs Cm\Cmk tests, ISO tests and life tests on all types of dial wrenches. AWT supports a USB interface to SCS Freedom3 wrenches, which compares the readings from wrench and AWT during a test automatically.



ISO 6789 Test



## Testing click wrenches

AWT can execute Cm\Cmk tests, ISO tests and live tests on all types of click wrenches. Due to the automatic detection of the click point, AWT evaluates the exact torque value without any operator influence. AWT performs the tests automatically, which reduces the operator's time and effort on tool checks.



Torque\Time Curve:  
AWT detects the click point



## Verifying the angle

Verifying the angle accuracy of electronic wrenches is another feature on AWT, placing the wrench on the motor driven transducer, AWT compares the angle readings of wrench and transducer-encoder, after the operator rotates the wrench.

