

First time through, increased to 98%

Improved productivity by 73%

EMEAltooju 😩 💡

Push Changes 🚯 🚨

PF6: HP_Deni

PFG: Nick_HH

PFR: 2.1.128

PFS: Life

First time through, increased from 92,5% to 98% in one year with a structured data analysis process. This improved productivity is achieved through fewer reworks, higher end-product quality and maximum uptime on the assembly line. Just a few of the many benefits offered by smart process monitoring and analysis software like Atlas Copco ToolsNet. Enhancing the capability to monitor, document, analyze, and improve the assembly process.

Problems are identified and rectified by systematical and regular check of the most frequent "not OK" applications – analyzing the trace information, speed and windows.









80% Reduction in energy use

Multiple wireless tools running on one virtual assembly process controller, leads to a significant reduction in energy use. Recent studies indicate that up to 80% of energy in a typical industrial environment, is consumed when the equipment and tools are in standby mode. For factories powered by wind and solar, reducing energy consumption is more than a cost reduction, it's a necessity to meet environmental policies.



The Power Focus 6000 – designed to deliver

The Power Focus 6000 – The perfect choice for safety critical assembly. Supporting hand held and fixtured tools, the Power Focus 6000 is designed to make everyday production easier and more efficient. The Power Focus 6000 also increases your flexibility in rebalancing assembly lines.

Benefits

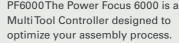
- ▶ Compatible with: Tensor STR, ST, STB, SR and ES
- Connect up to 6 tools to the same controller
- Simpler installation with less cables, hardware components and network drops
- Lower power consumption
- ▶ Less floor space utilization
- ... and a much smaller environmental footprint.

Intelligence making a difference – IAM is your key

IAM – Intelligent application module is like holding a key to Smart Connected Assembly. It unlocks all the benefits of software, tightening data and configurations. With IAM you have access to smart software management enabling you to benefit from easy and stable upgrades, with a rapid back-up function.











Virtual Stations - the enabler

Using less hardware will save you up to 80% power consumption – great news for the environment!

The Virtual Station is the enabler of your assembly. It controls the tool, the communication and the accessories in your assembly station. Controlling multiple tools, working with virtual station gives you less cable management, less network connections and less hardware components. You will gain increased flexibility with increased re-balancing speed in your production.

The Virtual Station keeps all information about your assembly process, giving you an instant overview of what is going on in your production.

Tool Control:

Making sure your tool is performing correct tightenings for your assembly.

- ► Pset selection
- ► VIN handling
- Batch sequence control

Communication Control:

Communicating for easy and seamless integration with your production systems.

- ► Open Protocol
- ► Fieldbus
- ► Customer Protocols

Accessory Control:

Taking care of multiple accessories per virtual station.

- Stacklight
- ► Socket selector
- ▶ Digital I/O



Virtual Station. We call it the enabler – of gaining control, communication and smart connected assembly.



Revolutionary tightening strategies Rotation direction Reaction Force Direction REACTION FORCE MITHOUT TURBOTIGHT The TurboTight Strategy The Turbo Tight strategy lets the tool absorb the reaction force, and significantly improve ergonomics for the operator. Shortening cycle times

and at the same time improving flexibility. Less hardware means less

of a difference.

maintenance. And if you're doing 200 tightenings a day that makes the world



Eliminate operator influence

TrueAngle uses a gyro signal to read operator movement, increasing the accuracy of your angle reading. This allows you to narrow down your angle window, and detect the most common assembly problems such as wrong or missing components and damaged threads. Avoid premature shut-offs and detect re-hits. Increase your quality and lower your costs connected to scrapping and rework.



The pistol grip Tensor

The Tensor ETP STR61 is a fast, light, robust tool offering impressive ergonomic features. The STR61 motor has improved cooling and gives a tool that is up to 45% faster than its predecessors and 30% lighter. A built- in torque transducer allows best possible tightening accuracy, reducing the need for reworking while ensuring that all tightening data can be recorded.

The two trigger tool





STR Accessories

A fantastic tool series enhanced with smart accessories

Whether your mission is to get your tightenings to your exact specification, or to set up that perfect operating solution, Tensor STR is your go-to-tool. There are lots of accessories and they are all designed to fulfil your demands.



Swiveling Suspension Yoke



Suspension Yoke



Barcode Scanner



Protective Cover for Barcode Scanner



Front Lever Trigger



Front Lever Trigger



Top ring Light Module



Headlight



Top Side Trigger





Tensor SR - Compact and Powerful



Tensor ES - Durable **Performance** The Tensor ES nutrunner is designed for tough working environments. Its industrial design and torque transducer, together makes the decision to go electric easy. Durable performance in quality critical assembly, now faster than ever thanks to the new and revolutionary tightening strategy TurboTight. Atlas Copco's ETF electric screwdriver has been designed to perform consistently and precisely time after time. Their range has been carefully created to match your needs, making micro torque more of a science and less of an art.

BCP/BCV

A screwdriver with superior ergonomics

The cordless BCP screwdrivers offer superior ergonomics for the operator, contributing to outstanding performance. This lightweight pistol-grip tool comes in 7 brush less models offering variable speed with a speed setting unit. Low speed models are available.

Durable and reliable, the BCV nutrunner

The BCV nutrunners are durable and reliable, offering flexible assembly. This nutrunner is lightweight and handy, for maximum operator comfort.





Tensor SB

Tensor SB can reduce energy consumption by as much as 80%

Suitable for a wide range of applications, including heavy duty tasks, the user-friendly Tensor SB is an advanced, transducerized industrial battery nutrunner offering high quality tightening. Choosing Tensor SB can reduce energy consumption by as much as 80% compared to using a corresponding air tool. The Tensor SB's Atlas Copco Li-lon battery is powerful, reliable and has no memory effect, which adds up to increased production uptime.





ErgoPulse PTI

Tightening with air tools – pulse tool innovation

ErgoPulse PTI is designed for industrial users, who has a need for a robust one hand tool. Robust tool means a low investment cost in a long run. It has the highest uptime among pulse tools, and the oil refill has been made very easy.



Mechatronic System MWR





processes is a good investment.

Based on the mechanical "click" wrench, the MWR mechatronic wrench is highly productive. The clear physical feedback of the "click" makes it easy to handle even for untrained workers, giving you a very short training period.

In combination with the controller Focus 60 or 61 the MWR mechatronic series combines the easy handling of a click wrench with the controlled tightening possibilities of electronic wrenches.

Quality Assurance

STbench

We provide a full range of Joint Simulator Benches, with a patented system for testing tools in real production conditions, or Static transducer benches as an all-in-one mobile system.

The STa6000

The STa 6000 is a portable quality assurance tool – checking tool performance, repeatability and accuracy for all types of power tools and torque wrenches. Test your tools in the tool crib following service and continuously on the line to monitor performance.

IRC-Connect

IRC-Connect transforms
your transducer in
a smart wireless
transducer. Data is
safely stored with no
dependence on the
network and the test is
reliable in all the working
conditions.

STwrench

The STwrench Controller and Smart Head is a state-of-the-art, four-patent wrench that employs the modularity concept to check the residual torque on an already tightened joint. It can also be used to tighten a bolt with the most advanced torque or torque/angle strategies with complete traceability and error-proofing functionalities.



STpad

STpad is the core device in QA. It can be used with either IRC-Connect or with an STbench, seamlessly moving from one to another. An optional docking station makes the STpad fast to program a PC.A large touch screen interface with a rugged, durable design.

QA Supervisor

QA Supervisor is a all new server based software making the quality managers job easier. Every single detail of the plant structure can be defined in QA Supervisor. It then keeps track of every change in the line setup, making any audit quick and effective.



Microtorque System

Atlas Copco



Extremely light and compact, full of functionalities. The QMC fixtured screwdrivers combined with the all new MT Focus 6000 controller, boosts productivity, improves quality and reduces costs. It is the most advanced tightening solution for any low torque application.



MT Focus 6000

MT Focus 6000 is the future in the present. A smart, fully connected controller ready for the Industry 4.0 and Internet of Things. Check system status, change parameters and setups, create new configurations and visualize tightening results and graphs. Take full control through Remote Programming, ToolsNet 8 Reporting, Batch Sequences and smart monitoring setups. MT Focus 6000 – smart, connected and efficient.



The Microtorque Handheld Screwdriver range is the most advanced tightening solution for any low torque application. Extremely ergonomic, very compact and full of functionalities it is the right tool to boost productivity and quality, resulting in high efficiency and cost reduction.



The Microtorque system comes with a wide range of accessories such vacuum adapters.





Single Quality Solution

Error proofing software

The Single Quality Solution (SQS) is a comprehensive solution that drives quality, process reliability and transparency, as well as product safety at assembly station. SQS guides operators through the assembly process leaving no room for error or oversight. It is capable of managing the assembly process of many different products and is ideally suited for sub assembly stations, backup stations, and repair areas.





Entry level standalone solution



Set of standard functionalities



Plug & Play



Easy to configure

HLTQ Series

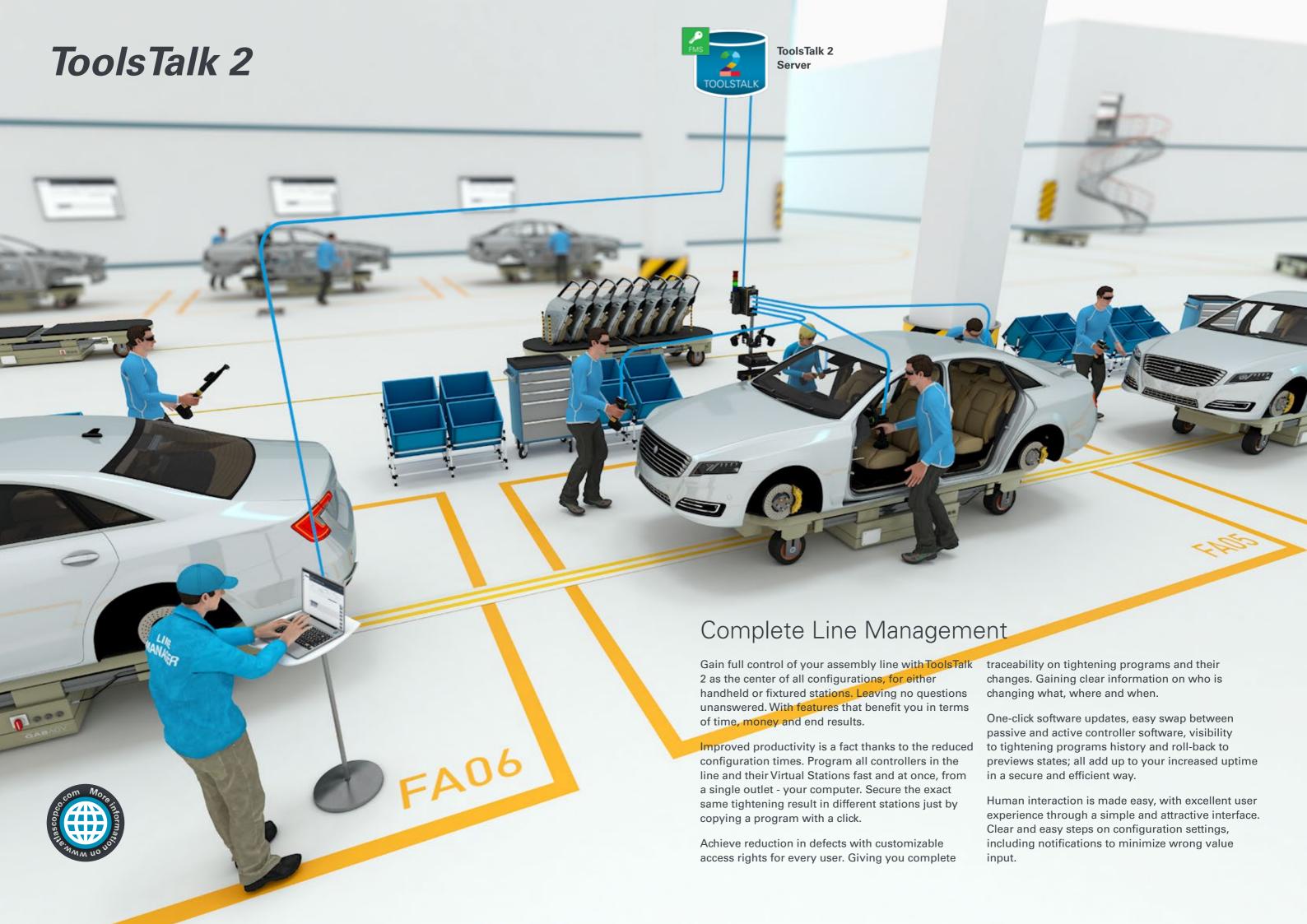


The solution for visualization and control on the shop floor

With a robust design and high-performance components the HLTQ (Hard LineTerminal) series are state-of-the-art devices for your industrial purposes. Choose between six standard models that are pre-configured and available off-the-shelf, or a customized version which can be configured individually based on available options.







Coming Soon





Eco Design and environmental aspects of product development is nothing new to us. Atlas Copco has a history of developing modular tools with a deep respect for materials and natural resources used in the products. We always strive to maximize the functionality of the product and at the same time minimize the energy consumption to make sure the environmental impact is as low as possible. By developing accurate tools we make sure the customer never has to waste time or energy to re-do an operation. For battery tools we also have the option to connect multiple tools to one controller and thereby decrease the standby energy consumption considerably.

Eco Design is all about minimizing a product's environmental impact during its entire lifecycle, including extraction of raw materials, manufacturing, customer usage and recycling while maximizing the productivity.



We prepare for upgrading, maintenance and recycling, through labeling, modularization and information in the product information.



Energy Efficiency

We consider how the final product will be used in order to minimize energy and resource consumption in the use phase, in production and during transportation.



Reuse and Recycling

We design with recycling in mind. We promote repair and upgrading, especially for long lasting and system-dependent products. To increase the customer's awareness regarding the importance of recycling, we are now including Recycling Instructions in the Product Information (PI).



Hazardous Substances

We avoid hazardous substances and materials listed on the Atlas Copco Restricted & Prohibited list.



Materials

We use materials and structural features to minimize the product's weight and invest in strong, durable materials to protect the product.



Mix and Modularity

We avoid mixing materials since blends inhibit recycling and consider fastening methods to facilitate disassembly.





For full information about our tools and softwares visit atlascopco.com

