

QUICK GUIDE TOOLSNET 8

Atlas Copco



TOOLSNET 8

Getting started

INTRODUCTION

ToolsNet 8 provides data collection for all electric tools and pulse tools using Power Focus, Pulsor Focus, Power-MACS and STWrenches. Other vendors can also report ToolsNet using Open Protocol*.

* They will have to add support for this in their controller.

Connect the controllers to the server with standard Ethernet cabling and standard network components, such as Ethernet hubs, switches or access points if STWrenches are used for wireless reporting.

ToolsNet uses the industry standards Microsoft SQL and Oracle databases*. The communication from the controllers to ToolsNet is secured by TCP/IP protocol. Any user connected to the network can use their internet web browser and access ToolsNet 8.

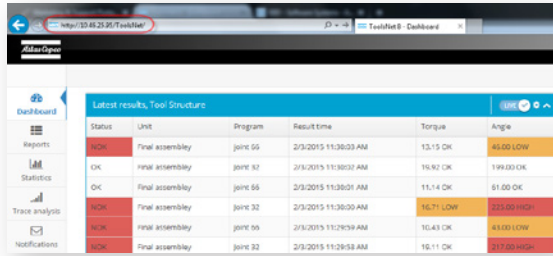


Tightening systems from different vendors can also report to ToolsNet using Open Protocol.

* For detailed information about supported databases please refer to the installation manual.

USING THE APPLICATION

ToolsNet is accessible in the network through a regular web browser. The application supports the most modern browsers such as Firefox and Internet Explorer 9 or higher. Since the application is web based it only needs to be installed once and then it is available to all user in the network without additional installations.



Status	Unit	Program	Result time	Torque	Angle
OK	Final assembly	joint 55	2/3/2015 11:30:03 AM	13.15 OK	65.00 LOW
OK	Final assembly	joint 52	2/3/2015 11:30:02 AM	16.92 OK	199.00 OK
OK	Final assembly	joint 65	2/3/2015 11:30:01 AM	11.14 OK	61.00 OK
OK	Final assembly	joint 32	2/3/2015 11:30:00 AM	16.71 LOW	123.00 HIGH
OK	Final assembly	joint 55	2/3/2015 11:29:59 AM	10.43 OK	63.00 LOW
OK	Final assembly	joint 32	2/3/2015 11:29:58 AM	16.11 OK	127.00 HIGH

SETTINGS

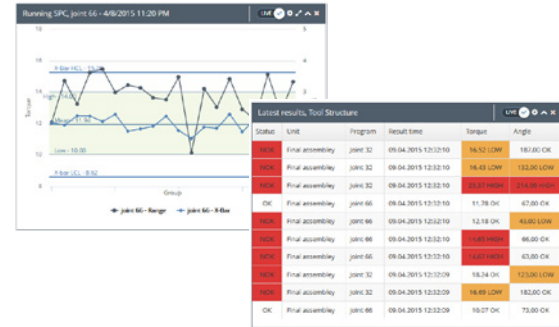
ToolsNet 8 is available in multiple languages. It is easy to switch to another language for a specific user directly in the web application without having to do a lot of configuring. ToolsNet 8 is also built to support different torque units depending on the standard in production.

FEATURES

ToolsNet 8 is packed with new pro features that make it even easier analyze data compared to previous versions of ToolsNet.

DASHBOARD

The Dashboard is built to give a direct overview of the most important information directly when the application is started. Since every user cares about different information the Dashboard is fully customizable in order to suit every user's needs. The different widgets can be added or removed and re-organized to the personal liking of every individual user.



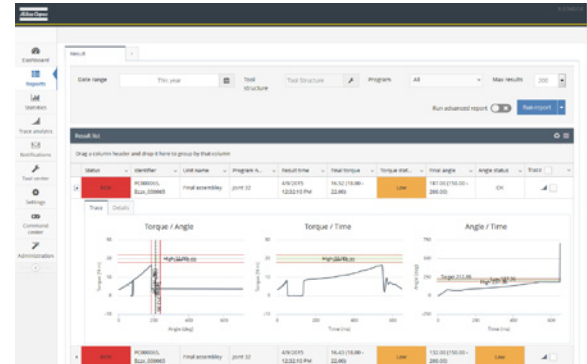
The current available dashboard widgets are:

1. Latest results: See the latest results for a specific parts of production in real-time.
2. Running SPC: Setup X-bar and range monitoring for a specific application in real-time.
3. TOP NOK applications: See the programs that are generating the highest NOK percentage in the plant and the reasons for these NOK:s.
4. Tool maintenance: See which tools in production that needs service or calibration instantly.

REPORTS

REPORT CENTER

In ToolsNet 8 all the reports are gathered in one place for easy access. The different reports and the super-easy navigation make it possible to efficiently analyze big amounts of data and to find production problems or improvement areas faster than ever.



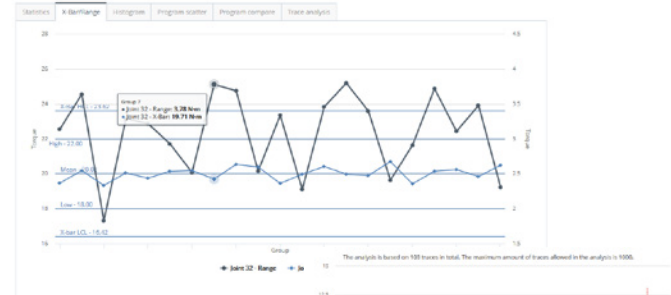
Available reports:

1. Result list: The purpose of this report is to be available to find production results and traces in a fast and simple way.
2. Product list: Focuses on finding all production results for a specific produced item, for example a specific car.
3. Result summary: Calculates statistical parameters for how a tightening program is performing.
4. TOP NOK: This report is used to find programs with a high percentage of not ok tightenings. It can be used in the whole plant or for a specific part.
5. Event: Finds the controller events for the whole production of for a certain part all the way down to a specific controller.
6. Event summary: Shows the events that happen most often on the controllers in production. This report can be used for the whole production or for a specific part all the way down to a specific controller.
7. Program change: Overview of all the latest changes to the tightening programs used in production.

REPORTS

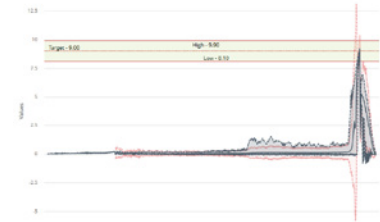
STATISTICS CENTER

The statistics center is built to make it easy to get advanced statistics for production applications. In this part of the application it is simple to look at range/x-bar charts, histogram, scatter charts, program compare and statistical analysis of traces.



Available functionality:

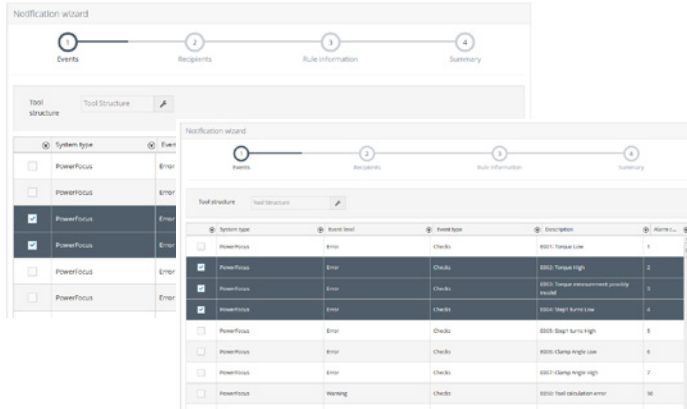
1. X-Bar/Range analysis
2. Histogram
3. Scatter analysis
4. Program Compare
5. Trace analysis



ANALYSIS

NOTIFICATION CENTER

Some production events are more important than other. Thanks to notification center it is possible to setup rules that are triggered when a specific event occurs which will notify the correct person about a problem. This will help to ensure that the right person acts on a problem cutting down response times and saves time when production problems arise.



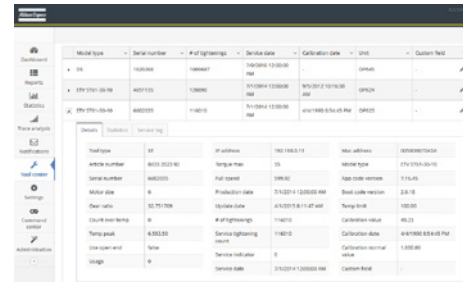
Available functionality:

1. Notification about specific controller events

ALERTS

TOOL CENTER

Tool center collects information about all the tools in production and gives indications about which tools that need service and calibration. It is also possible to find tightening statistics for individual tools as well as documenting service and calibrations done for a specific tool and in the end have a complete service log for all the tools in the plant.



Available functionality:

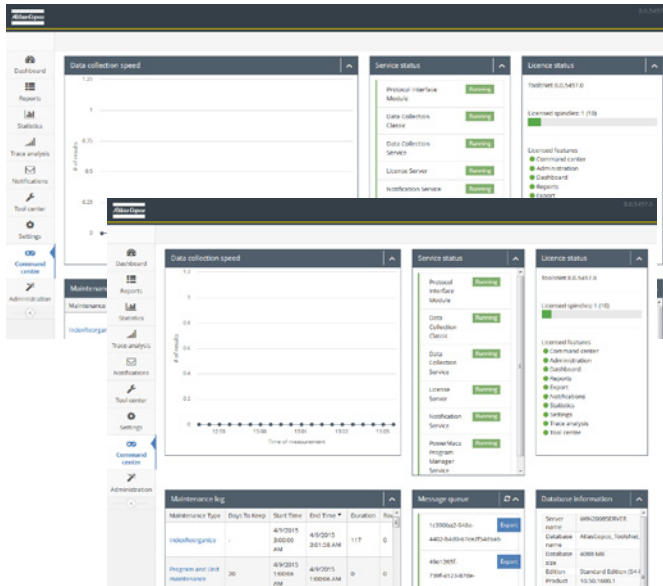
1. Service log
2. Tool tightening statistics per tightening program
3. Find which unit a tool is connected to
4. Get service and calibration date for tools in production*
5. Find firmware version running on the tool

* Supports Power Focus 4000

ANALYSIS

COMMAND CENTER

Command center gives the IT administrator full overview of how the ToolsNet application is performing and if there are any problems that need to be solved. The command center is built to help minimize down-time and to make sure the application is running at optimal speed.



In the command center it is easy to get an overview of data collection speed, that all the services are running as they should, that database maintenance is running according the schedule without interruptions and information about condition in the database.

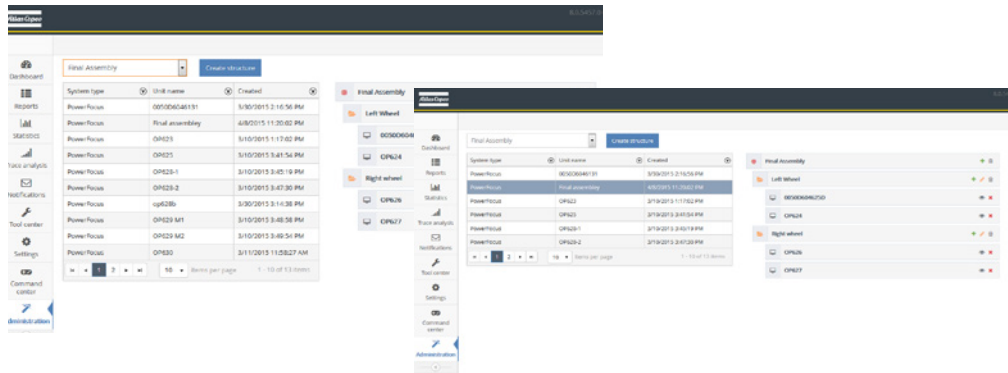
Available functionality

1. Monitoring of data collection speed
2. Monitoring of ToolsNet services
3. Number of connected controllers
4. Monitoring of database maintenance
5. Database status

REPORTS

ADMINISTRATION

In the administration pages it is simple to setup a plant structure that looks like the real production conditions. Thanks to this it is possible to create the same hierarchal view as the plant making it easy to find a specific tightening result or part that needs to be analyzed.



Available functionality

1. Group units according to production layout
2. Hide controllers/units currently not used

REPORTS

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