



PRODUCTIVE SOLUTIONS

As an industrial process expert, we help you meet your challenges.

Productivity, safety, quality, industry 4.0 are themes on which we can offer you our expertise and our solutions. Whether in the field of assembly technology, machining or welding, our dedicated and specialized teams accompany your progress and recommend solutions and equipment to reach performance levels in line with your industrial strategy.



Certified quality

From design to commissioning, DOGA guarantees the quality of this equipment and services according to ISO 9001: 2015 certification.

5 Reasons to trust us



Expertise

Our Field experts propose solutions adapted to your environment and specific needs..



Innovation

By developing the products and the services of tomorrow, we offer you new perspectives or prospects.



Performance

Our high added value solutions improve your performance and guarantee the final quality of the production.



Commitment

Aware of your objectives, we commit ourselves to helping you to reach them.



Reliability

Our organization, which has been ISO 9001 certified since 1996, is the guarantee of your satisfaction.



ASSEMBLY TECHNOLOGY

As a world class assembly technology player, we manufacture and market equipment and solutions for the assembly industry which contribute to the improvement of your manufacturing quality and productivity.

Our assembly, ergonomics and traceability solutions contribute to enhancing your productivity, controlling your process quality and meeting the requirements of industry 4.0.

We offer products designed to last and high value-added services by relying on our team's know-how and expertise: design, production, installation, start-up, training and maintenance.

We support you locally thanks to our worldwide presence through our subsidiaries and our specialized distribution network.



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A COMPLETE AND USER-FRIENDLY SOFTWARE TO EFFICIENTLY MANAGE YOUR TOOL PARK!

DOGANet is a ready-to-use solution that meets your assembly process traceability needs in an Industry 4.0. oriented environment.

Easy to install on a network-connected PC, this data collection, storage, control, and analysis software is perfectly suited for managing a networked tool park.

Functionalities

- **Management** of your tool park (up to 100 screwdrivers simultaneously)
- **Traceability** through automatic data collection and storage
- **Analysis** of results and tightening curves
- **History consultation** via the search engine and data filtering

Advantages

✓ Traceability

- Data storage for fast and reliable future reference
- Process data control to guarantee the quality of your assemblies

✓ Ergonomy

- Simple and intuitive interface
- Integrated search engine to easily find data

✓ Security

- Secure data storage in a clean database
- In case of network disruption, data is stored in each tool until communication is restored

Connecting the tool park to DOGANet

DOGANet is compatible with all DOGA torque and angle controlled screwdrivers, including MD, MDT, MDT40, BM, BMT, and BMT40 series, as well as the ParaMon-Pro X process controller.



MANAGEMENT OF YOUR TOOL PARK

The tool management feature of **DOGANet** allows users to configure data collection parameters for registered tools and customize their display for easier management.

Additionally, users have access to comprehensive information about all relevant tools.

Flexible management of registered tools

- ▶ Name them as you wish
- ▶ Place them according to your own organization
- ▶ Activate/deactivate their connection
- ▶ View their connection status, calibration date, cycle counter, and more



Name	IP address	Serial number	Type	Model	Temperature	Last call	State
Unassigned							
Assembly line Smartphone							
Station 1 - PCB							
BMT2009190002	192.168.1.26	2009190002	BMT	BMT3206	32.0 °C	2025-03-26 13:51:16	Connected
Station 2 - Camera							
BMT206190006	192.168.1.30	206190006	BMT	BMT206	21.7 °C	2025-03-26 13:54:47	Connected
Station 3 - Wifi module							
BMT486100002	192.168.1.28	2486100002	BM	BMT218	0.8 °C	2025-03-26 13:44:39	Disconnected
Assembly line TV							
Station 1 - Display							
Station 2 - PCB							
Station 3 - Heating							
PRODCA12120004							
BMT366200002	192.168.1.24	366200002	TS	Unknown	0.8 °C		Disabled

Tool information			
Tool ID	1	Register date	2025-02-26
Tool name	BMT2009190002	Calibration date	
IP address	192.168.1.26	Last data time	2025-03-04 10:20:04
Serial number	2009190002	Usage count	461221
Type	BMT	Fastening OK	139
Model	BMT3206	Fastening N6	4
Firmware	4.00.8	Other	100
Activation	Enabled	Total count	243

Enabled

DATA COLLECTION AND ANALYSIS

DOGANet automatically collects and saves data from all connected tools.

This information, stored in the database, allows to comparing and analyzing multiple tightening results by applying filters such as tool-specific filters, date, or results.

You can also select multiple data sets and compare them using graphs.

- ▶ Up to 8 simultaneous reports
- ▶ Multiple visualizations of tightening curves
- ▶ Data export in .csv file format
- ▶ Data selection (OK/NOK results, torque, angle, unit, etc.)

Identifier, tool, time, tightening time, pre-selection number, target torque, torque, unit, speed, angle 1, angle 2, angle 3, tightening angle, fixing screw, error code, direction, status, etc.

Examples of available data



The screenshot displays the DOGANet software interface. On the left is a navigation menu with options: Menu, Overview, Report, Tools, and Setting. The main area is divided into several sections:

- REPORT 1**: Includes search options for tool, status, direction, and date. A date filter is set to '2023'.
- STATUS**: A donut chart showing a 'TOTAL 8' with a breakdown of 'OK' (green) and 'NOK' (red).
- STATISTICS**: A table showing tool status and counts. For example, 'EMT 22 Camera' has a count of 4.
- DOGANet Data Table**: A detailed table with columns: Tool, Brand, Date time, Fixing time, Unit, Error, Status, Target torque, Torque, Speed, Angle 1, and Fixing screw. The table lists multiple entries with their respective values and status (e.g., 'Preloading OK', 'Preloading NOK').
- View graph data**: A line graph showing torque vs. time for different tools, with a vertical line indicating a specific time point.

SIMPLE AND INTUITIVE INTERFACE

DOGANet features a simple and intuitive interface.

With the integrated search engine and data filtering, you can easily and quickly access all available information.

The software includes a dashboard that provides an overview of the data.

Dashboard

- ▶ Tool connection status
- ▶ Events
- ▶ Latest tightening data

The screenshot displays the DOGANet dashboard with a dark sidebar menu on the left containing options: Menu, Overview, Report, Tools, Setting, Log-in, and EXIT. The main content area is divided into three sections:

- Tool status:** A table listing tools with columns for Name, Serial number, IP address, Type, Model, and State. Tools are categorized by Station (1, 2, 3). States include Connected (green), Disconnected (red), and Standby (grey).
- System logs:** A table with columns for Date Time and Message, showing system events such as 'The system has been started', 'The system has been shut down', and 'Stop monitoring'.
- Event status:** A detailed table with columns: Tool, Date time, Fasten time, Error, Remain screws, Status, Target torque, Torque, Speed, Angle β, and Barcode. It lists individual fastening events with their respective parameters.

TECHNICAL SPECIFICATIONS

Configuration	Required	Recommended
OS	Windows 8 / 10 / 11 - Windows Server 2012 / 2016 / 2022	
CPU	Intel® Core™ i5-6600	Intel® Core™ i7-9700
MEMORY	8 GB RAM	16 GB RAM
HDD / SDD	1 GB (required for installation only, without data backup storage)	
Data base	Postgresql	
Utility required	.NET Framework 4.8 - Npgsql 4.1.8 (included in the installation file)	

AVAILABLE ACTIVATION KEYS

The activation keys for the **DOGANet** software are secure and come in the form of a "simple USB drive" that you simply plug into your computer. If you don't have a USB port available, a digital activation key is also available.



Choose your activation key version based on the number of tools connected to your tool park :

Designation	Code
DOGANet software activation USB key - 5 screwdrivers	P211359
DOGANet software activation USB key - 10 screwdrivers	P180482
DOGANet software activation USB key - 25 screwdrivers	P180483
DOGANet software activation USB key - 50 screwdrivers	P180484
DOGANet software activation USB key - 100 screwdrivers	P180485
DOGANet software activation digital key - 5 screwdrivers	P219527
DOGANet software activation digital key - 10 screwdrivers	P219529
DOGANet software activation digital key - 25 screwdrivers	P219532
DOGANet software activation digital key - 50 screwdrivers	P219534
DOGANet software activation digital key - 100 screwdrivers	P219536

Your needs are evolving, choose an upgrade to a higher version:

Designation	Code
Upgrade DOGANet software activation USB key - From 5 to 10 screwdrivers	P211360
Upgrade DOGANet software activation USB key - From 10 to 25 screwdrivers	P211364
Upgrade DOGANet software activation USB key - From 25 to 50 screwdrivers	P211368
Upgrade DOGANet software activation USB key - From 50 to 100 screwdrivers	P211370
Upgrade DOGANet software activation digital key - From 5 to 10 screwdrivers	P220256
Upgrade DOGANet software activation digital key - From 10 to 25 screwdrivers	P220257
Upgrade DOGANet software activation digital key - From 25 to 50 screwdrivers	P220258
Upgrade DOGANet software activation digital key - From 50 to 100 screwdrivers	P220259

- Not compatible with Mac and Linux.
- No additional software required, such as SQL Server or others.
- The DOGANet software activation key must be permanently installed on a USB port; otherwise, the application will automatically close after 10 minutes
- Compatible with firmware version V4.x.x or higher (MD/MDT/MDT40/BM/BMT/BMT40 and ParaMon-Pro X).
- In case of an upgrade, the previous USB key must be returned to DOGA.

ASSOCIATED PRODUCTS



Torque and angle control screwdrivers

Straight, pistol, angle head or fixtured spindles, our torque and angle tools have no equivalence in terms of precision and ergonomics, especially for the lowest torques.

- Torque and angle control straight screwdrivers
- Torque and angle control pistol screwdrivers
- Torque and angle control angle nutrunners
- Torque and angle control fixtured spindles
- Torque and angle DC tools controllers

> Learn more about our torque and angle control screwdrivers



Wireless DC tools

Torque and angle wireless tools are designed to meet your quality, productivity and traceability requirements while providing you with great mobility.

- Pistol wireless DC tools - BM / BMT series
- Angle head wireless DC tools - BM / BMT series

> Learn more about our wireless DC tools



Find all our ASSEMBLY TECHNOLOGY products on our website by scanning this QR code

