DOGA®
ASSEMBLY
TECHNOLOGY

Process supervision and traceability smart controller

DPM® Pilot



La FRENCH FAB

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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 specialised teams accompany your progress and recommend solutions and equipment to reach performance levels in line with your industrial strategy.

afaq ISO 9001 Qualité AFNOR CERTIFICATION

Certified quality
From design to commissioning, DOGA guarantees the quality of this equipments 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 services of tomorrow, we offer you new perspectives and prospects.

Performance
Our high value-added solutions improve your performance and guarantee the quality of the final product.

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

Reliability
Our organization, ISO 9001 certified since 1996, is the guarantee of your satisfaction.

DOGA® | ASSEMBLY TECHNOLOGY

As a world-class assembly technology player, we manufacture and market equipments 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 meet 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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SUMMARY

DPM®Pilot

DOGA PROCESS MANAGEMENT Pilot

Process supervision and traceability smart controller

The new **DPM®Pilot** controller, designed and manufactured by DOGA, supports you in the deployment of Industry 4.0 in your manufacturing processes.

As a true conductor of your assembly station, **DPM®Pilot** manages the tools and accessories, guides the operator, and ensures traceability of results.

DPM®Pilot can manage a variety of your operations and allows you to increase operator versatility while reducing training time.



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AN INNOVATIVE SOLUTION WITH UNIQUE BENEFITS

Workstation-oriented design meets requirements of your industrial assembly processes

✓ Security: integrated and autonomous system

DPM®Pilot controls workstation equipment autonomously through local connections.

- No risk of production downtime due to network or server issues
- Process management information are integrated and always available

✓ Versatility: compatibility with tightening tools available on the market

DPM®Pilot has been designed to communicate with a variety of brands.

- DOGA
- STANLEY©
- Tohnichi
- Open protocol tools
- etc.

✓ Ergonomics: easy and intuitive use

Thanks to **DPM®Pilot**'s user-friendly interface, configuring your assembly sequences does not require a computer or automation skills.

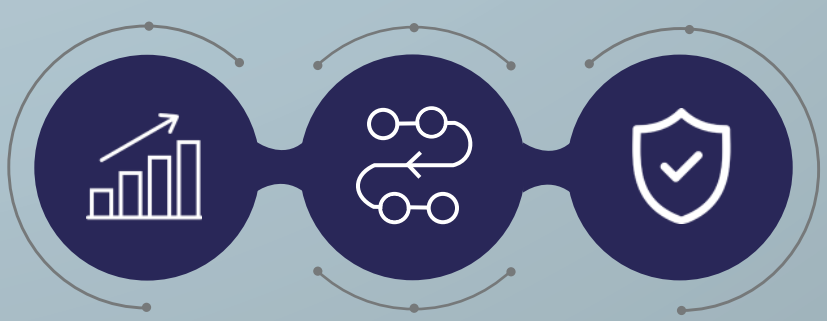
DPM®Pilot takes care of the entire process, guides operators, decreases their training time and increases their versatility.

✓ Traceability: protected data

DPM®Pilot saves results locally or remotely.

- Recording of all process datas
- Creation of production reports

INCREASE YOUR PRODUCTIVITY | CONTROL YOUR PROCESSES | ZERO DEFECT ASSEMBLY



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FEATURES

Error proofing

- Compliance with predefined operating instructions
- Using the right tool at the right time with right settings

Operator guidance

- Improved efficiency
- Reduction of training time
- Maximizing versatility

Multi-protocol

- Compatible with various tightening tools
- Communication with equipment of the production line

Traceability

- Recording of all process data
- Creation of production reports

FREE CHOICE OF TIGHTENING TOOL BRAND

TORQUE REACTION ARM

Compatible with all DOGA torque reaction arms equipped with position encoders.









ACCESSORIES

Barcode scanner, printer, etc.

INDUSTRIAL EQUIPMENT

Bit tray, socket tray, pick to light sensors, camera, PLC, etc.



TIGHTENING TOOLS

Compatible with tightening tools from a wide number of brands.

DOGA



STANLEY©



TOHNICHI



ATLAS COPCO



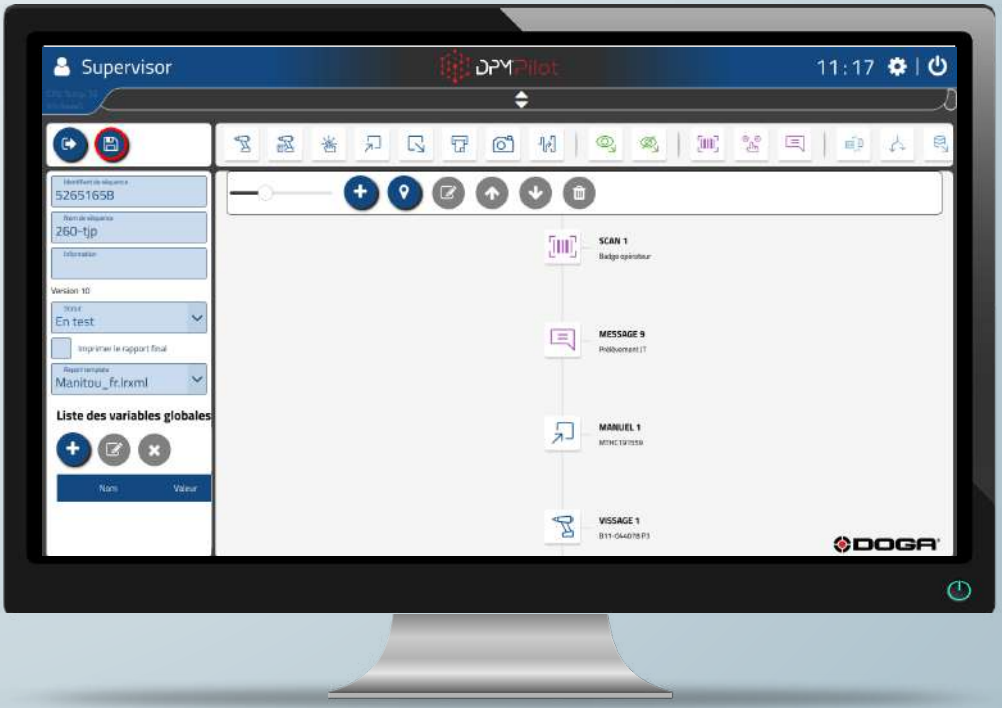
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POWERFUL AND INTUITIVE INTERFACE

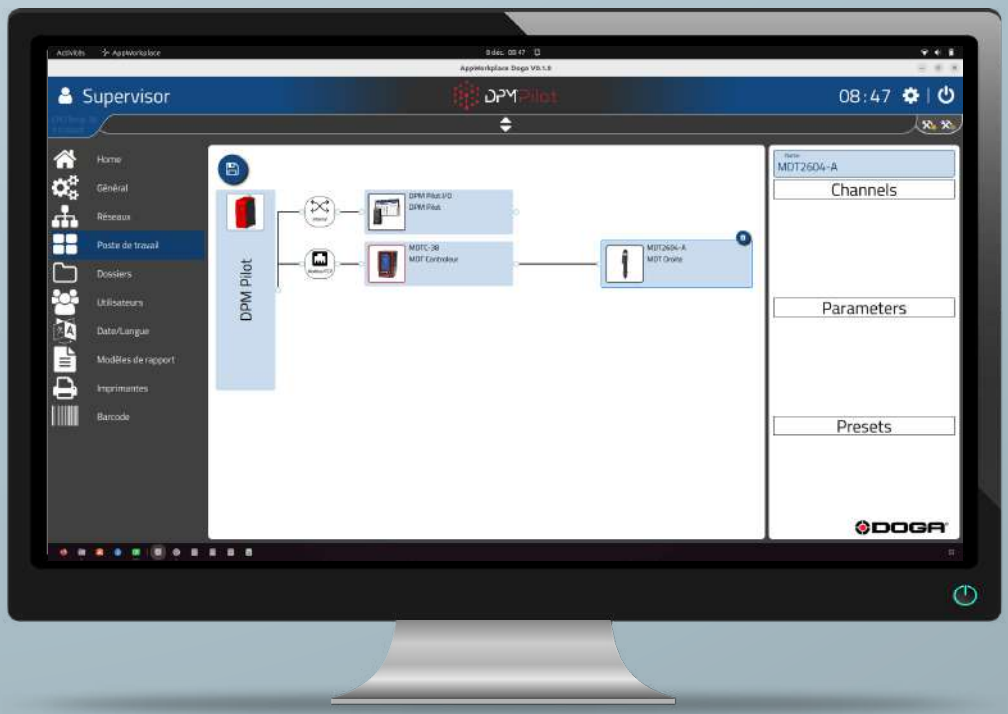
USER-FRIENDLY AND INTUITIVE SEQUENCE EDITOR

- Graphical navigation: each icon represents a function
- Clear and comprehensive sequencing programming
- No coding skills are required



EASY AND ERGONOMIC CONFIGURATION

- Auto-selection of connection parameters for each tool
- Customizable tool designations for easier identification



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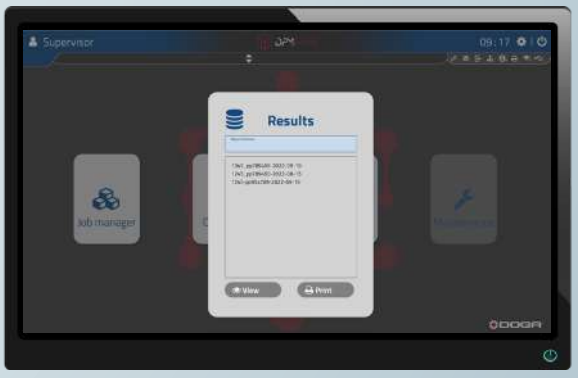
OPERATOR GUIDANCE

- Visual instructions
- Error proofing



RESULTS

- Recording of all process data
- Local or remote storage



DPM®Pilot TECHNICAL CHARACTERISTICS

- Operating system: embedded Linux (Linux Kernel 5.2)
- x 4 inputs and x 4 integrated 24 V digital outputs
- x 2 separate networks:
  - x 1 WAN network port for external network connection
  - x 4 LAN network ports for connecting tools and accessories
- Suitable with high-definition or standard touch screens with HDMI connection
- Storage capacity available for the application: 128 GB
  (for sequences between 3.5 and 5 MB and 150 KB results files)
  - Storage example 1: 50 sequences and 850,000 results
  - Storage example 2: 1,000 sequences and 820,000 results
- x 2 USB ports (expandable with external USB switch) for printer, barcode scanner, badge reader, etc.
- Up to 20 connected tightening tools
- x 8-inputs, x 8-outputs extension with the add-on **DPM** I/O Module (up to 2 add-on module)
- Up to 2 connected analog position control DigiLink modules

AVAILABLE VERSIONS

3 versions available

Select your version according to your needs.

	DPMPilot Standard	DPMPilot Advanced	DPMPilot Expert
			
Sequences editor	✓	✓	✓
Start sequence and serial number backup by barcode scanning	✓	✓	✓
Information input with keyboard (touch or remote)	✓	✓	✓
Execution and control of assembly sequences	✓	✓	✓
Operator guiding instructions with image/video/PDF	✓	✓	✓
Internal storage of results	✓	✓	✓
User management	✓	✓	✓
Digital Inputs and Outputs	✓	✓	✓
Printing labels during sequence	✓	✓	✓
Maintenance menu	✓	✓	✓
Storage of results on your network	✓	✓	✓
Absolute position control		✓	✓
Analog inputs		✓	✓
Image capture to be included in the result report			✓
Communication on field networks (Modbus)			✓
Link to your process databases			✓
Connection to other interfaces (retrieving results)			✓

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VERSIONS CONTENT

DPM Pilot Standard



- **DPM®Pilot** Interface
- Support foot
- 4-port USB hub
- Power cable
- x 2 rear mounting systems

Model	Code (EU)	Code (US)	Code (UK)
DPM®Pilot Standard	**P200011**	**P200021**	**P200031**

DPM Pilot Advanced



- **DPM®Pilot** Interface
- **DigiLink** module for position control management
- **DigiLink** external power supply
- Support foot
- 4-port USB hub
- Power cable
- x 2 rear mounting systems

Model	Code (EU)	Code (US)	Code (UK)
DPM®Pilot Advanced	**P200012**	**P200022**	**P200032**

DPM Pilot Expert



- **DPM®Pilot** Interface
- **DigiLink** module for position control management
- **DigiLink** external power supply
- Support foot
- 4-port USB hub
- Power cable
- x 2 rear mounting systems

Model	Code (EU)	Code (US)	Code (UK)
DPM®Pilot Expert	**P200013**	**P200023**	**P200033**

OPTIONAL EQUIPMENT

DigiLink

This module manages position control and analog inputs.
It works with torque reaction arms equipped with position encoders.

- x 4 analog 0-10 V inputs
- x 2 inputs and 2 outputs digitals 24 V
- External 24 V DC power supply
- Modbus TCP communication with **DPM**®Pilot interface



Model	Code (EU)	Code (US)	Code (UK)
DigiLink	**P200014**	**P200024**	**P200034**

DPM I/O Module

DPM®I/O Module expands the number of additional inputs and outputs.

- x 8 inputs and x 8 outputs 24 V digital
- 220V AC power supply
- Built-in 24 V DC power supply
- Modbus TCP communication with **DPM**®Pilot interface



Model	Code (EU)	Code (US)	Code (UK)
DPM®I/O Module	**P200015**	**P200025**	**P200035**

DPM Wiring Module

DPM®Wiring Module simplifies connection to inputs and outputs of the **DPM**®Pilot interface.

Model	Code
DPM®Wiring Module	**P200006**



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Other optional equipment

Model	Code	
DPM®Pilot support foot	**P200007**	
4-port USB hub	**P200041**	
HDMI cable - 2 meters	**P200043**	
Wireless AZERTY keyboard with pad	**P200042**	
19-inch industrial HD touch screen	**P200045**	
19-inch industrial HD screen	**P200044**	

YOUR NEEDS HAVE CHANGED?

Upgrade to a higher version

If you'd like to upgrade to a higher version of your **DPM**®Pilot interface, you can order a software extension without changing tyour interface.

Model		Code
DPMPilot Standard software extension to **DPM**Pilot Advanced	**DigiLink** Module needed 	**P200094**
DPMPilot Standard software extension to **DPM**Pilot Expert		**P200095**
DPMPilot Advanced software extension to **DPM**Pilot Expert		**P200096**

FOR MORE INFORMATION VISIT OUR WEBSITE



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