



DU9



5" touch screen Data Unit



The **DU9** is a high-end member of the BMSvision data collection terminals featuring a 5" touch screen and a graphical intuitive web-based user interface for user friendly interaction with the operator. The **DU9** interacts as a front end and can be used for all BMSvision's Master systems. It is the perfect HMI for companies striving for paperless manufacturing.

Functions

- Manual entry of down time reasons, scrap input, ...
- Display production information: OEE, KPI's, efficiencies, units produced, scrap rates, ...
- Display planning information: actual job status, next jobs planned, ...
- Energy monitoring.
- Operator tracking.

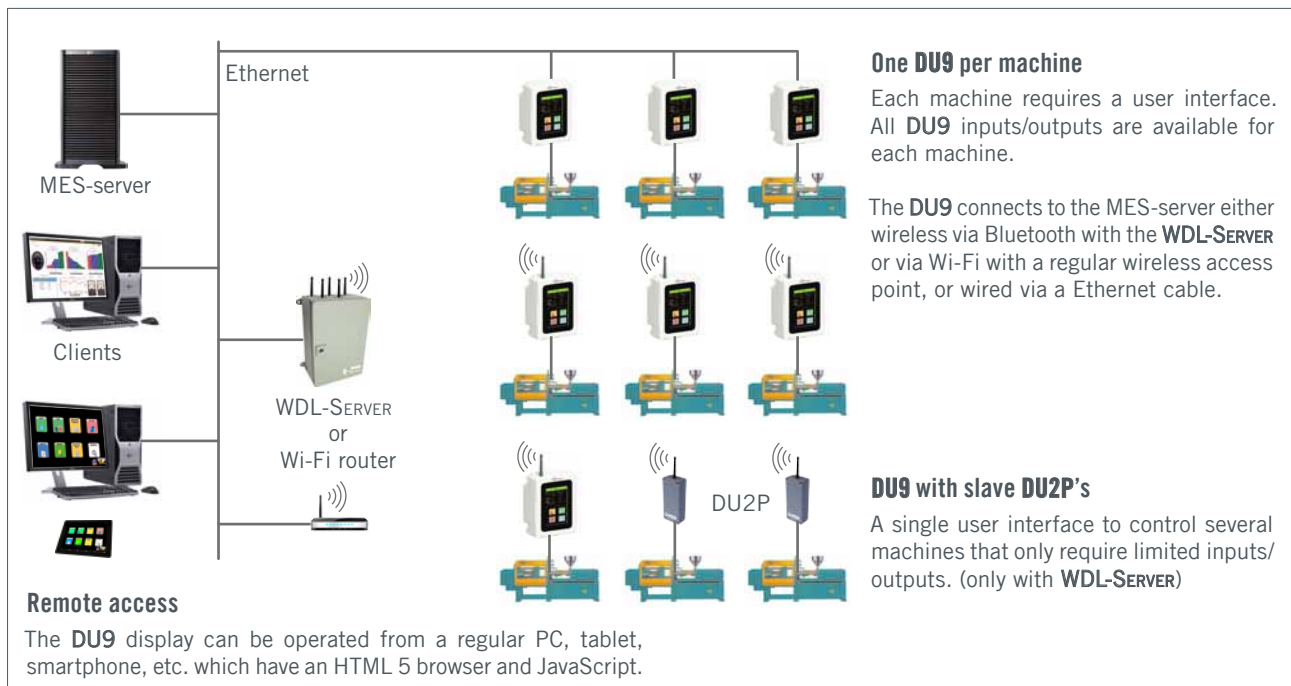
(all functions are subject to licensing)

Features

- Direct access to all pages.
- Wireless (Bluetooth class 1 or Wi-Fi) or wired (Ethernet) connection to the central system.
- Remotely operable from any device that has an HTML 5 browser with JavaScript.
- Continued operation and machine monitoring in case of network or server failure (optional).
- On screen language selection and unicode Chinese supported.
- Optional configurable pages.

Machine Information		Henri Matisse
RUN		
0:07:26		
Work Order	187000-1	
Tool Number	M8025	
Product Code	P8025-300	
Cavities	1	
Quantity Required	12000	
Planned Cycle Time	28.2	
	Shift to Date	Job to Date
Average Cycle	28.7	28.1
Produced	848	7540
Scrap %	5.7	2.9
Machine %	83.08	96

Machine connection configurations



Technical specifications

Touch screen display

- 5" color LCD (65 x 108 mm).
- WVGA resolution: 480 x 800 pixels.

Power

- Different ways to power: 24 Vdc or Power over Ethernet (48 Vdc).
- Low power consumption: less than 10 W.

Input/outputs for machine connections

- 8 electric isolated digital/counter inputs, suitable for 12 V and 24 V systems. Can all be used either as counter input or as "automatic stop" input.
- 5 relay outputs (12 V / 5 W) which can be used to activate lamps, stop the machine, ...

Networking with BMSvision MES-server

- Wireless (Bluetooth class 1 or Wi-Fi)
- or
- Wired (Ethernet).

Options

- Backup & Recovery function allowing a minimum of 24 hours local data storage in case of server or network failure.
- Barcode scanner.

DU9 part numbers: A901180 (wireless), A9011801 (Ethernet).

Other connections

- USB ports:
 - USB 1 for connection of customer equipment like a barcode scanner
 - USB 2 for a memory stick, external WDL interface, ...

Housing

- VESA 75 x 75 mm compliant mounting
- Size: 126 x 174 x 72 mm (W x H x D).
- Weight: 680 g.

Ingress protection rating

- Standard: IP54 (dust protected / splashing water).
- On demand: IP65 (dust tight / water jets).
- The **DU9** does not have a fan, nor ventilation holes.

Environment

- Operating temperature range: 0° to 50°C.
- Relative humidity: 20 to 80% non-condensing.

BMSvision Master systems

PLANTMASTER: for the plastics industry.

ENERGYMASTER: energy monitoring system.

PHARMASTER: for the pharmaceutical industry.



BMSvision



www.bmsvision.com

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