

DU11



7" touch screen Data Unit



The **DU11** is a **high-end** member of the BMSvision data collection terminals featuring a 7" touch screen and a graphical **intuitive web-based** user interface for user friendly interaction with the operator. The **DU11** 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.

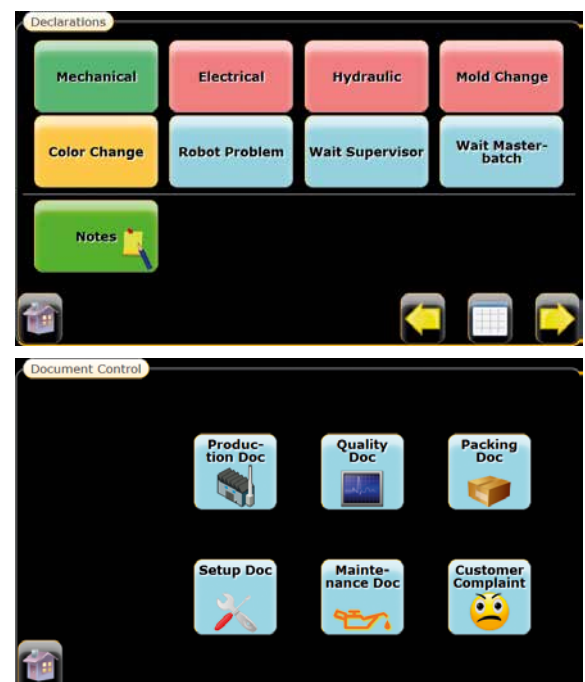
Functions

- 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, ...
- Document control: setup, quality, maintenance, instructions, ...
- Energy monitoring.
- Operator tracking.
- Cavity tracking
- Traceability.
- Viewing the **MANAGEMENT DASHBOARD**.

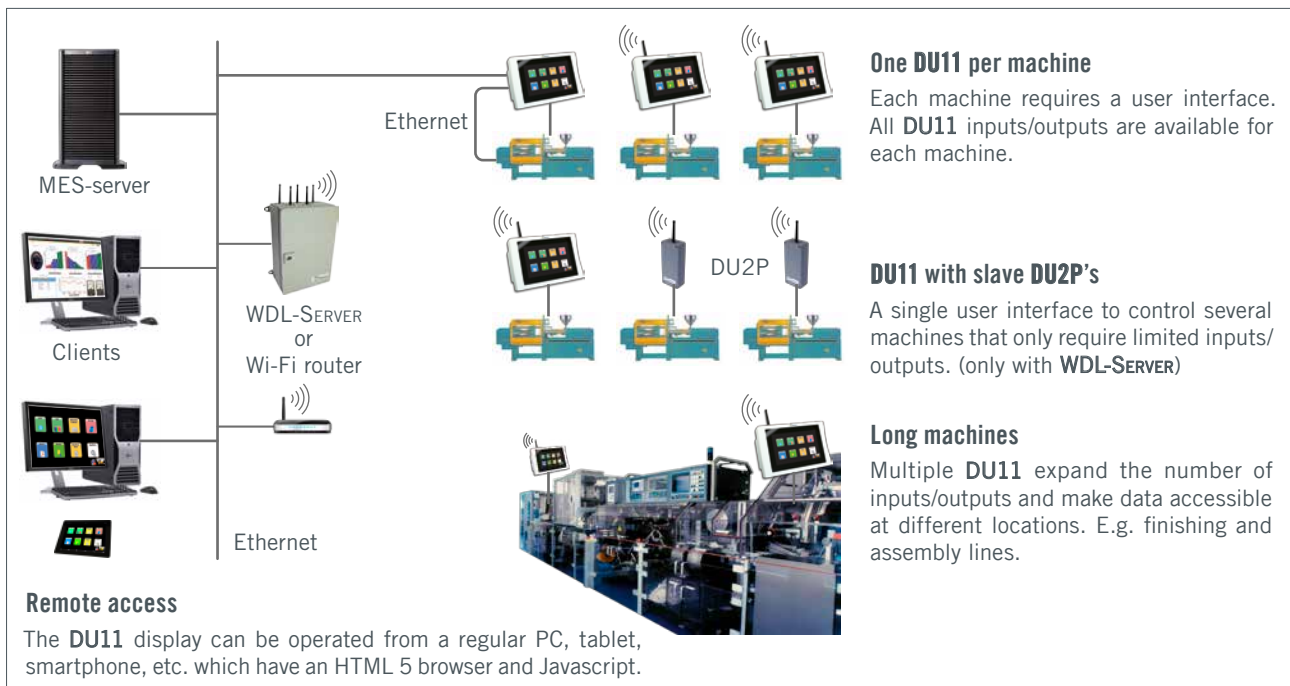
(all functions are subject to licensing)

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 connection configurations



Technical specifications

Touch screen display

- 7" color LCD (152 x 91 mm).
- WVGA resolution: 800 x 480 pixels.

Power

- Different ways to power: 100 to 240 Vac, 24 Vdc or Power over Ethernet (48 Vdc).
- Low power consumption: 15 W.

Input/outputs for machine connections

- 16 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, ...
- 2 electric isolated serial ports, software configurable RS232/422/485, Modbus compatible.
- 1 Ethernet port (LAN 1) to interface with the Ethernet port of the machine (if available), e.g. in case of Euromap 63.

Networking with BMSvision MES server

- Wireless (Bluetooth class 1 or Wi-Fi) or wired (Ethernet, LAN 2).

Options

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

DU11 part numbers: A901170 (wireless), A9011701 (Ethernet).

Other connections

- 2 USB ports:
 - USB 1 for connection of customer equipment like a barcode scanner
 - USB 2 for a memory stick, external WDL interface, ...
- 1 auxiliary Ethernet port (LAN 3).

Housing

- Size: 250 x 170 x 90 mm (W x H x D).
- Weight: 1250 g.

Ingress protection rating

- Standard: IP54 (dust protected / splashing water).
- On demand: IP65 (dust tight / water jets).
- The DU11 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.



www.bmsvision.com

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