

The MTD series is a complete system for monitoring a 1500W motor bench. From a PC or touch screen (according to the version), the supervisor controls and observes the operation of a bench. The electrical cabinet encloses the PLC, the speed controller and the protection devices required for the supervision and control functions.

Settings and supervision software is supplied. The supervision unit is fully programmed, ready to run and open to all modifications without restriction.

General features

- Technical cabinets with braked wheels.
- High-temperature 40 mm laminated top 750 x 670 mm.
- Console, dimensions 350 x 160 x 180 mm
- Overall dimensions: 750 x 670 x (h) 1210 mm (1460 mm touch version).
- Power supply by single-phase mains cord 230V AC.

Software supplied with all versions

• SoMove: For settings on the speed controller.

• TWIDO Soft: For settings on the PLC.

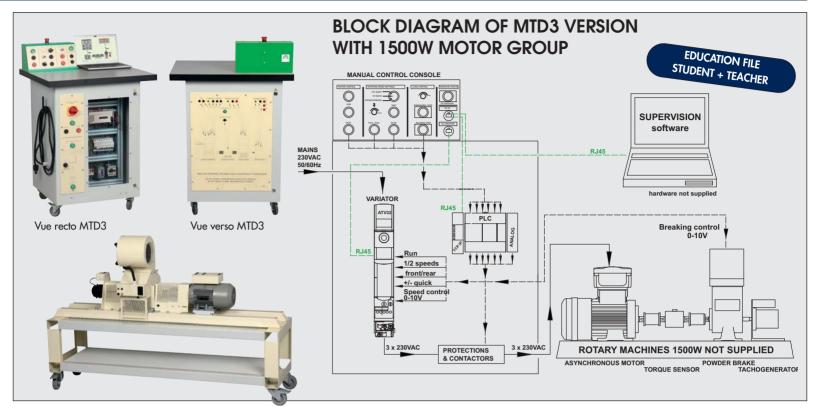
• VijeoDesigner: For supervision. Fully programmed, ready to run.

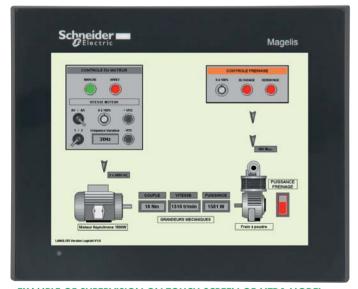
Modifiable to create your own supervision.

	To be combined with a 1500W motor bench (not supplied) equipped with: Essential: 1 motor + 1 powder brake Recommended: 1 torque sensor + 1 tacho-generator			To be combined with a 1500W motor bench (not supplied) equipped with: Essential: 1 motor + 1 three-phase alternator Recommended: 1 torque sensor + 1 tacho-generator		
REF	MTD1	MTD2	MTD3	MTD4	MTD5	MTD6
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Controls by	Integral 10-inch touch screen	Your PC	Your PC Manual (on console)	Integral 10-inch touch screen	Your PC	Your PC Manual (on console)
Supervision by	Integral touch screen	Your PC	Your PC	Integral touch screen	Your PC	Your PC
Controls and Supervision	On the motor Start Stop - Speed 0 to 1600 rpm - 1st and 2nd speed of rotation - Forward/Back Operation - Speed of rotation (+ and -) - Motor overload - Display of torque and speed (if brushless torque sensor) On the brake: From 0 to 100% - Blocking - Free wheel Other: Speed controller overload			On the motor Start Stop - Speed 0 to 1600 rpm - 1st and 2nd speed of rotation - Forward/Back Operation - Speed of rotation (+ and -) - Motor overload - Display of torque and speed (if brushless torque sensor) On the alternator: Voltage variation at terminals of rotary field. On the resistive load: load variation from 0 to 100% in 6 steps.		
Equipment of the console	Emergency stop General Start/Stop 2 RJ45 sockets Mains socket 230V Touch screen colour	Emergency stop General Start/Stop 2 RJ45 sockets Mains socket 230V	Emergency stop - General start/stop 2 RJ45 sockets Mains socket 230V Motor, Load & Speed control	Emergency stop General Start/Stop 2 RJ45 sockets Mains socket 230V Touch screen colour	Emergency stop General Start/Stop 2 RJ45 sockets Mains socket 230V	Emergency stop - Gen ral start/stop 2 RJ45 sockets Mains socket 230V Motor, Load & Speed control
Equipment of the cabinets	 Front door, closing by 2 key locks: Control panel with indicator lights (marked PVC panel). Transparent panel: view of the speed controller and PLC information. Safety system cutting off electrical distribution if opened. Rear door, closing by 2 key locks: Large PVC surface with complete wiring diagram. Safety terminals 4 mm and connection sockets for:			 Front door, closing by 2 key locks: Control panel with indicator lights (marked PVC panel). Transparent panel: view of the speed controller and PLC information. Safety system cutting off electrical distribution if opened. Rear door, closing by 2 key locks: Large PVC surface with complete wiring diagram. Safety terminals 4 mm and connection sockets for:		



Schneider® tools and equipment





EXAMPLE OF SUPERVISION ON TOUCH SCREEN OF MTD1 MODEL (MOTOR + POWDER BRAKE)



EXAMPLE OF SUPERVISION ON PC OF MTD5 MODEL MOTOR + THREE-PHASE ALTERNATOR

ACQUISITION OPTION

All the versions shown are compatible with the acquisition option.

Enables the acquisition of:

- electrical values (Voltage Current Absorbed power).
- mechanical values (Torque Speed Power).

Supplied with measuring panel and acquisition software.

This option requires a bench that should be equipped with a brushless torque sensor and tacho-generator.

Add -ACQUI to the end of the reference. Example: MTD4-ACQUI Factory assembly only.

ref. -ACQUI



