



AUTOMINE® TRAINING SIMULATOR

TECHNICAL SPECIFICATION



AutoMine® Training Simulator is created to enable easier mine operator training for AutoMine® Lite system. The Simulator allows both operator training, and RDT/ADT training.

AutoMine® Training Simulator user experience is as close as possible to real machine maneuvering, so it enables training without real machines and production area. The Simulator comes with purpose-developed software where the trainer can initiate machine faults, incidents or hazards to train and assess operators, thereby ensuring they are able to respond correctly to any scenario with maximum efficiency.

Simulator training creates cost savings as it improves practical training. It does not tie down existing equipment so the equipment can be used in live production during training the personnel. Training with the Simulator before starting to drive the actual loaders or trucks also lowers the risks of damages and increases productivity.

The portable AutoMine® Training Simulator comes in two low-weight trolley cases which makes it highly practical and usable for on-site training purposes. A full-sized operation station version with operator chair is also available. The Simulator is operated with authentic controls and the same control system software as that installed on the AutoMine system.

MAIN FEATURES

This Technical Specification is for AutoMine® Training Simulator product version 1.0.

Key features of AutoMine® Training Simulator:

- portable and compact sized system in wheeled trolleys
- authentic AutoMine® controls
- authentic AutoMine® software
- short setup time
- customized training environments and scenarios
- available languages: English as default, others available on request

AutoMine® Training Simulator product package consists of:

- two 2-wheel polymer trolley cases containing the components
- PC-computer
- left and right control panel
- simulator box
- power supply for the simulator box
- wireless keyboard
- cables
- displays (optional, not included in default delivery)

COMPONENTS OF DELIVERY

Trolley 1

Trolley case	67.6 x 52.5 x 37.8 cm weight 24.6 kg
Left and right control panel	Type LCP-A and RCP-A
Mounting set for control panels	Painted steel



Trolley 2

Trolley case	67.6 x 52.5 x 37.8 cm weight 18.5 kg
Computer (simulator PC)	Connections for two displays, USB cables, and Ethernet cables
Simulator electrics box	Connections for Ethernet and CAN
Power supply for the simulator box	100 – 240 VAC / 24 VDC
Cables, adapters, plugs	Ethernet, USB, CAN
Wireless keyboard displays (not in default delivery)	Wireless keyboard with touchpad and USB receiver



INSTALLATION REQUIREMENTS

Desk size and type	Office table, thickness of table top 10 – 52 mm
Power supply	100 – 240 VAC
Operating temperature	0 ... +35°C (For equipment details refer to equipment specific technical specification)
Display (not included in standard delivery)	at least Full HD (default) 1920 x 1080 DisplayPort 1.2

COMPUTER

Model	Lenovo Legion C730-19IC0
Operating system	Windows 10 Home 64-bit
Processor	Intel Core i7-8700 (3.2 – 4.6 GHz, 6 core, 12 Mt, Hyper-Threading)
Memory	16 Gt (1x16) DDR4 2666 MHz, 2 slot, max. 32 Gt
Processor	Intel Core i7-8700 (3.2 – 4.6 GHz, 6 core, 12 Mt, Hyper-Threading)
Graphics	NVIDIA GeForce RTX 2080 8 Gt DDR6
Storage	512 Gt SSD (M.2 PCIe), 2 x 3.5" HDD
Power supply	500 W IEC C13 / Schuko power cable
Dimensions	<ul style="list-style-type: none"> • 19 L • 238 x 358 x 305 mm
Weight	9 kg +
Network	Gigabit Ethernet, WiFi 802.11ac (2x2), Bluetooth 4.1
Ports	6 x USB 3.1 Gen 1, 2 x USB 2.0, 3 x DisplayPort, HDMI, audio, RJ-45

PRODUCT DOCUMENTATION

Product manuals
(English as default language) User Guide

COMPLIANCE

2014/30/EU Electromagnetic Compatibility (EMC) Directive

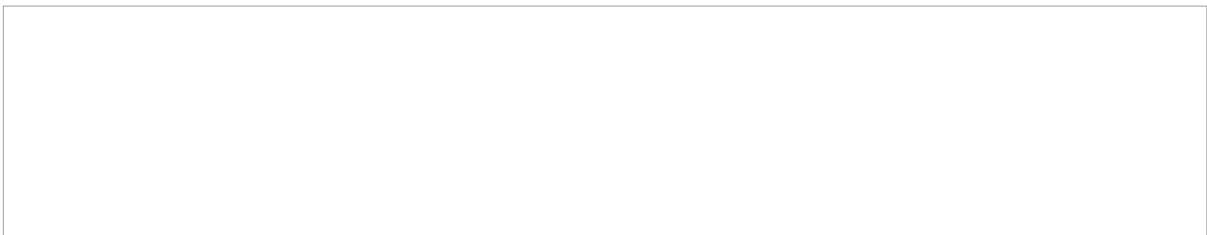
2014/53/EU Radio Equipment Directive

89/336/EEC + 92/31/EEC +
93/68/EEC Electromagnetic Compatibility (EMCD)

73/32/EEC + 93/68/EEC Low Voltage Directive (LVD)



The control panels have modern, 3D printed wrist supports.



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