

e, jaitest MATERIAL HANDLING

INNOVATIONS 23.3













SOFTWARE INNOVATIONS

The new software version Jaltest 23.3 once again offers more improvements and innovations that consolidate this tool as a benchmark in multi-brand diagnostics for commercial vehicles, agricultural equipment, OHW equipment, material handling equipment and vessels.

With the innovations of the graphic interface, it is possible to:

- Show the battery voltage during the system scan processes.
- Configure the fault code display during the system scan processes.
- Hide the information panel in action steps with measurements.
- Restart the connection when losing the communication with systems in different sections of the application.
- Customise connection images.
- Configure measurement groups in the data recorder function.

In addition, with GRP it is possible to associate diagnostics reports to number plates and/or VIN chassis numbers that do not belong to any vehicle from the list.

BRANDS AND MODELS

Take into account that this document is only a summary of the most relevant information of this new version. For further information, please visit Jaltest Report.

The new brands in Jaltest are listed below: **BAOLI**, **NISSAN**, **SELLIC**, **THALER**, **TCM** and **ZPMC**.

In addition, the number of models in the following brands has increased: **BOBCAT** (TR Series family), **BT** (Réflex, Option, Vector and Levio families), **JUNCHEINRICH** (ECE, EMC and ERC families), **MANITOU** and **UNICARRIERS**.

The Provide Revolution Eq	UIPMENT > UNICARRIERS > GX 40 Series > EDC ZD30, D	tiesel Control Injection, Common Rail			UIPMENT > TOYOTA > 85M 20 Series > ICH 2, Body Controller (Logical Unit)	
Diagnostics menu	Select the desired action				PARAMETERS	
System technical data			Q	Ω System technical data	Search in the list of actions	
Diagrams) Diagrams	Collapse all actions	
Maintenance data				Maintenance data	USER PROFILE	î
Vehicle/vessel data	FAULT CODE READING	T FAULT CODE CLEARANCE		🄏 Vehicle/vessel data	DISPLAY PARAMETERS	
Troubleshooting by symptoms				% Troubleshooting by symptoms	MODIFY PARAMETERS	
Releases and Procedures	MEASUREMENTS			Releases and Procedures	- MACHINE CONFIGURATION	
		O DATA RECORDER			DISPLAY PARAMETERS	
					- MODIFY PARAMETERS	
				<	MACHINE DISPLACEMENT	









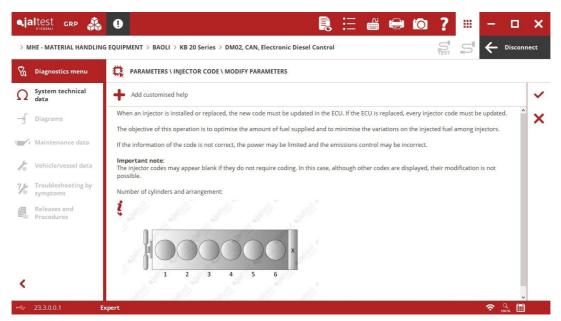




DIAGNOSTICS AND SYSTEMS

BAOLI

DM02/03 Stage V engine control system, injector coding.



BT

• ICH2 central computer that includes advanced functions of parameter configuration and maintenance reset for electric machines such as pallet jacks or stackers.

		dy Controller (Logical Unit)			sconne
Diagnostics menu	PARAMETERS \ USER PROFILE \ MO	DIFY PARAMETERS			
System technical data	i NEXT, ENTER AND/OR SELECT VALUE	ES OF THE PARAMETERS THAT YOU	WISH TO SET	^	
Diagrams			NIMUM MODIFICATION VALUE, THEREFC ALUE TO THE PRESET MARGIN WILL BE A	INC, IF THE ENTERED	×
🅯 Maintenance data	FORWARD SPEED, ALLOWED MAXIMUM V	28 %	77		^
Vehicle/vessel data	REVERSE SPEED, ALLOWED MAXIMUM V	7 %	35	Ø	
Troubleshooting by symptoms	RAMP RATE	81 %	82	Ø	
Releases and Procedures	DECELERATION RATE	11 %	40	Ø	
	ON-PLATFORM WORKING MODE, MAXI	69 %	53		
	PEDESTRIAN MODE, MAXIMUM SPEED	54 %	40	Ø	
	ON-PLATFORM	76 %	56	Ø ?	













In addition, new wiring diagram configurations of the **MC** central computer available for retractable machines.

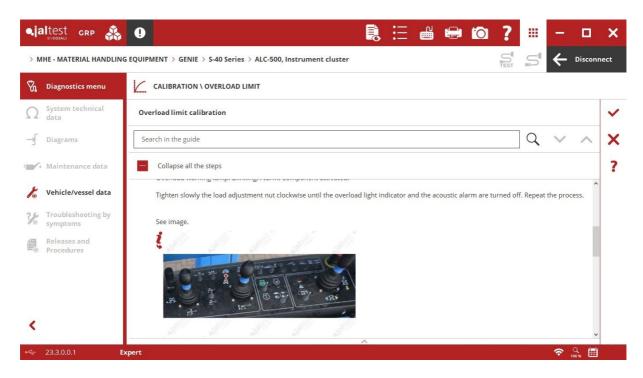
🧃 👬 🚓	. 😐	📃 🗎 🖶 🖨 🕐 🔁 📒	– 🗆 🗙	Sialtest GRP 🚓 🕕		🗄 🖶 🖾 ? 🔳	- @ X
🗲 🚖 🏠 > мн	E - MATERIAL HANDLING EQUIPMENT $>$ BT $>$ RR E 1-8 $>$ MC, Body	y computer	Connect		INDUING FOUR MENT > RT > RP F 1.8 > MC Rock component Itemst Component information	🚔 🙆 🗙 🚽	Connect
🖏 Diagnostics menu	-[]+ S/N: 713962-UP		Select another configuration	Vn Diagnostics menu	ystem components		
Ω System technical data	Search in the component list Q			Ω System technical Sec	Control module of programable implement values	+	<u></u>
Diagrams	Show full list			-J Diagrams	Pinout:		
Maintenance data	+ Add personalised component information	CA7, Control module of programabl		🖅 Maintenance data 🕂	S/N: 713962-UP		
🎢 Vehicle/vessel data	CA3b, Mast extension control lever		6	Fo Vehicle/vessel data CA	ATTEN .		
% Troubleshooting by symptoms	CA3c, Fork holder tilt control lever			CA symptoms			
Releases and Procedures	CA4, Display			Releases and CA		- CA	🗙 LOZA 🎦
	CASa, Control lever of the auxiliary spool		2/4	CA Vol	Pin 1:85-485 TX(*)		
	CASb, Control lever of the auxiliary spool valve 2		ans 👌 Ď	CA val	Pin 1: IG-485 IX(+) Pin 3: IS-485 RX		
<	CA7, Control module of programable implement values	1 2 00000 00 00 00 00 00 00 00 00 00 00 0		< CA2, conc implement	rot module of programable		M.S.M.
-Sr 2330.01	Txpert	IZR * SUZELI SE L		~5- 23.3.0.0.1 Expert			○ ○ 前

CURTIS

CPM power module with parameter modification for the different configurations of the **1212** and **1230** power modules.

GENIE

• ALC-500 instrument cluster for models of the **S series** lift platform, calibration processes of the joystick or the overload limit.















JUNGHEINRICH

MCM central computer for models of **EJC series** or **EJD series** electric stackers, modification of driving program, traction speed, equipment, etc.

 MCM central computer for ECE
 series models, parameter modification, steering calibration, tiller, etc.

In addition, new wiring diagram configurations of the **MCM** central computer available for the families of **EJE series, ERE series, EJC Series** pallet jacks and of the **Perkins 1104D** engine control system for models of the **DFG Series** family.

	Itest GRP 🚴) 🖡 🗄 🖷 🕼 ? 🛗 - 🗆	× nnect
8	Diagnostics menu	CALIBRATION \ POTENTIOMETER OF THE ACCELERATOR	
Ω	System technical data	Add customised help	~
ł	Diagrams	Before starting the process, prevent any person from approaching the vehicle operation area, since the components that will be calibrated may move.	×
	Maintenance data	Park the vehicle in an open area and on a level surface.	
K	Vehicle/vessel data	Important note:	
3%	Troubleshooting by symptoms	When some system components are replaced or repaired, it is necessary to reset the system control unit adaptation values with the diagnosis ool.	
	Releases and Procedures	It is advable that there are no active fault codes in the system, except for codes related to the calibration.	
<			,
	23.3.0.0.1 B	ः रू ू 🖞	1

LINDE

EDC VW (CPYA) engine control system for models of internal combustion, parameter display, maintenance services, etc.

MAGNI

Volvo EMS V3 engine control system, DPF parameter modification, engine speed rate limitation, etc.

In addition, new wiring diagram configurations available for **Deutz** and **Perkins** engines.

MB

 CPM 1212 power module for pallet jacks or stackers of EPT, ES and PRL
 Series that include the parameter configuration such as: Maximum flow of the fork raising.

In addition, new wiring diagram configurations available.

MHE - MATERIAL HANDLIN	IG EQUIPMENT > MB > ES 15 > CPM 1212,	Power module		5. S ←	Disconne
Diagnostics menu	PARAMETERS \ ELECTRIC MOTOR	MODIFY PARAMETERS			
System technical data Diagrams	1 NEXT, ENTER AND/OR SELECT VALU	JES OF THE PARAMETERS THAT YOU	WISH TO SET		×
A Maintenance data	Search in the measurements list				Q
Vehicle/vessel data	ELECTRIC MOTOR, ELECTRIC CURRENT LIM	57 A	43	ø	^
 Troubleshooting by symptoms 	ELECTRIC MOTOR, ELECTRIC CURRENT LIM	57 A	32	۵	
Releases and Procedures	ELECTRIC MOTOR, BOOST CURRENT	75 A	19	ø	
	BOOST CURRENT, ACTIVATION TIME, MAX	9 s	10	۵	
	ELECTRIC MOTOR, RESISTANCE VALUE	50 mΩ	170	Ø	
	RESISTANCE VALUE, AUTOMATIC CONTROL,	48 %	10	۶	

ΤΟΥΟΤΑ

ICH central computer for pallet jacks and stackers, system checks, parameter configuration of the hydraulic system, user block management, etc.













UNICARRIER

⊕ EDC ZD30 engine control system for Nissan engines, parameter display, maintenance services, etc.



WACKER NEUSON

EMR4 EDC 17 CV52 engine control system for **Deutz** engines, system checks, maintenance services, etc.

ZAPI

New wiring diagram configurations available for SEM-1, AC-1, EPS or DUAL ACE-2 power modules.

