



mega macs X

The future of vehicle diagnostics

has arrived



mega macs X –

putting the power in your hands

The new and highly innovative mega macs X from Hella Gutmann Solutions is a revolution in vehicle diagnostics. A flexible, modular system with state-of-the-art diagnostic technology at its core, a range of software options and accessories ensures the mega macs X provides the optimal diagnostic solution whatever your workshop requirements may be, now and as your needs grow.



Defying convention. Shifting expectations

At Hella Gutmann Solutons, innovation has always been at the heart of our business. The mega macs X is a complete re-think of vehicle diagnostics resulting from a realisation that today’s workshops need a flexible and adaptable diagnostic solution to be able to keep pace with the rapid advances in vehicle technology. By isolating the core components of diagnostic device and making each element fully customisable, mega macs X is an innovative solution that offers exceptional flexibility a wide range of additional benefits.

COST-EFFECTIVE

With four software modules providing varying degrees of functionality, from basic features to advanced capabilities, with mega macs X you pay only for what you need.

FLEXIBLE

Choose the appropriate software module for your workshop's requirements and upgrade easily at any time.

USER-FRIENDLY

With all diagnostic procedures operated using a separate display and input device of your choosing – whether a tablet, notebook or PC – there’s no need to carry a heavy diagnostic tool. Set-up is easy too. If using the Hella Gutmann Tablet – or any other tablet with a camera – simply scan a QR code to initiate the process.

License to Diagnose

Our clearly structured license models give a quick overview of the individual performance scope of every license.

UPDATES INCLUDED

Our new license model does not need any update licenses. Updates and software amendments are easily managed by the basis software. Troubles with update fees for omitted updates are definitely a thing of the past. Instead of that we offer maximum cost transparency – and a software package that is always up to date.

SOFTWARE MODULES	
SDI module X ¹	SDI module X ²
LICENSES*	
License X ¹	License X ²
FUNCTIONS	
<ul style="list-style-type: none">• Reading/deleting trouble codes (without global check)• DoIP technology	<ul style="list-style-type: none">• Reading/deleting trouble codes• DoIP technology• Service reset• Basic setting• Parameters• Codings• Actuator test• Test function• Proposed online solutions based on trouble codes• Cyber Security Management• Automated retrieval of kilometer/mileade reading

*appropriate software module necessary

For motorcycle diagnostics we will offer two versions: The X-Bike version is intended for plain bike workshops. Workshops which want to offer bike diagnostics as well can book the Bike-X Add-on license additionally.



Powerful, flexible and built to last

The hardware at the heart of this new diagnostic set-up is the mega macs X device.

A DIAGNOSTIC DEVICE COMPLETELY REINVENTED

Expertly designed, the mega macs X is both compact and robust, ensuring it can more than meet the demands of busy workshop environments. It contains a powerful processor – the “brain” of the solution – for faster diagnosis and repair. A built-in bracket at the rear of the device allows the mega macs X to be easily attached to a vehicle window when in use, the OBD plug has an integrated flashlight that makes it quicker and easier to connect the device to the vehicle, and a green LED bar indicates diagnostic progress. With no in-built display or keypad, the mega macs X connects wirelessly to your preferred external display and input device, whether a tablet, notebook or PC running Windows, Mac OS, Linux or Android.

YOUR CHOICE OF SOFTWARE

Our Smart Diagnostic Interface (SDI) software modules range from entry level to full service. Each software module enables basic functions on the mega macs X, such as reading and deleting trouble codes and service resets, with support for PassThru, CAN-FD and DoIP protocols. However, four different software modules unlock a range of additional features such as actuator tests, basic settings, codings and ADAS calibrations (included from licence X² onwards).

THE SOFTWARE LICENCE

Each software module purchased includes the corresponding licence for 12 months, providing access to software updates and the Hella Gutmann technical support line. Should your workshop's requirements change, simply upgrade your licence and your software will automatically update to the corresponding level and unlock additional functionality.



Variation for maximum independence

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Hardware		Software		Licenses
ONE-TIME	+	ONE-TIME COSTS	+	RUNNING COSTS
mega macs X		SDI X ¹ for license X ¹ SDI X ² for license X ² SDI module X-Bike for license X-Bike		License X ¹ License X ² License X-Bike License X-Bike Add-on



A high-angle, green-tinted photograph of a male technician working on a motorcycle. The technician is wearing a dark-colored polo shirt with the 'HELLA GUTMANN SOLUTIONS' logo on the chest. He is holding a rugged tablet computer in his left hand and pointing at the screen with his right index finger. The motorcycle's engine and various components are visible in the foreground. In the background, a black perforated metal tray holds several tools, including a wrench, a screwdriver, and a torque wrench. The entire image has a monochromatic green color scheme.

All important Brands at Hand

BIKE DIAGNOSTICS BY HELLA GUTMANN

Experience and specialist know-how is a must for a successful business. However, if workshops want to continue generating revenues, they require above all support in dealing with increasingly complex vehicle electronics. A development which no longer stops at motorcycles.

Our Bike versions comprise the most important functions such as initializing sensors, resetting values or switching systems on or off. Here, the list of brands and models is being expanded continuously. You can download all the relevant data updates conveniently over the Internet.

mega macs diagnostic devices

MEGA MACS X BIKE

The mega macs X offers utmost flexibility and options with regard to hardware and software. The choice is yours. Whether you wish to combine your existing tablet or PC with the mega macs X or whether you prefer to opt for the robust Hella Gutmann-Tablet, the mega macs X works well with all of them. Should your requirements change, you just need to change your mega macs X

setup. Thanks to the software modules X Bike, you can retrieve exactly the scope of services that you need and that suits ideally your workshop situation. For motorbike diagnosis, two options will be available: The X-Bike license is aimed at workshops specializing in motorbikes only. Workshops which want to extend their service portfolio can purchase the Bike-X Add-on license in addition to their existing license.

ADVANTAGES AT A GLANCE	RANGE OF FUNCTIONS	DELIVERY CONTENTS
<ul style="list-style-type: none">• Display and operating unit (tablet, PC, etc.) is installed in the mega macs X independently from the hardware and diagnostic software• Supports DoiP and CAN FD• Integrated LED lighting at the OBD plug• Inductive charging tray	<ul style="list-style-type: none">• Reading/deleting fault codes• DoiP technology• Service reset• Basic settings• Parameter• Codings• Actuator test• Test functions• And much more	<ul style="list-style-type: none">• mega macs X• Charging tray• Power adapter• Power cord• USB cable• Quick start guide
		<div>MEASURING TECHNOLOGY</div> <ul style="list-style-type: none">• Multimeter (additional Hardware required)



Vehicle Diagnostics

MEGA MACS X

ITEM NO.	ARTICLE	DESCRIPTION
8PD 015 265-841	mega macs X	mega macs X, charging tray, power adapter, power cord, USB cable, Quick start guide

SOFTWARE MEGA MACS X (one time costs)

ITEM NO.	ARTICLE	DESCRIPTION
8PY 015 267-591	SDI module X ¹	Software module for licence X ¹
8PY 015 267-601	SDI module X ²	Software module for licence X ²
8PY 015 267-851	SDI module X-Bike	Software module for licence Bike
8PY 015 745-271	SDI module X-Body + Glass	Software module for licence X-Body + Glass

LIZENZEN MEGA MACS X (monthly from the 13th month on)

ITEM NO.	ARTICLE	DESCRIPTION
8PY 015 267-791	Licence X ¹	for mega macs X for SDI module X ¹
8PY 015 267-801	Licence X ²	for mega macs X for SDI module X ²
8PY 015 267-861	Licence X-Bike	for mega macs X for SDI module Bike
8PY 015 267-841	Licence X-Bike Add-on	Add-on licence for vehicle customers

BIKE ADAPTERS

ITEM NO.	ARTICLE	DESCRIPTION
8PZ 010 613-331	Adapter set Bike Basic	8PZ 010 604-141 Kawasaki (BKA03), 8PY 010 613-101 KTM/ Husaberg**, 8PZ 010 613-201 BMW/ G+G Technik (BBM04), 8PZ 010 613-211 Harley Davidson (BHD02), 8PZ 010 613-231 Honda (BH001)*, 8PZ 010 613-261 Ducati (BDU02)*, 8PZ 010 613-271 Derbi, Gilera, MV Agusta, Piaggio, Vespa (FIA01)*, 8PZ 010 613-311 Yamaha BYA03, 8PZ 010 616-321 Euro-norm 5 (BEN05)
8PZ 010 613-321	VCC Adapter*	additional power supply 12V. For vehicles without ignition lock, e.g. motor sports and also for all old momacs 50 adapters when used with a Bluetooth VCI or mega macs X.
8PZ 010 613-171	Aprilia*	BAP01
8PZ 010 616-301	Aprilia	BAP02 ca. >BJ 2017 Comfort, Service reset
342525	Benelli	BBE01
8PZ 010 613-201	BMW	BBM04 ca. >BJ 1999-2018
8PZ 010 613-241	BMW*	BBM02 ca. <BJ 1999
8PZ 010 613-421	Multi Italiano	BMI01 ca. >MY 2010 AJP ca. >MY 2013 Benelli, Generic, Quadro, Stels ca. >MY 2014 Keeway ca. >MY 2016 Hisun Quad ca. >MY 2017 Brixton, FB Mondial, KSR Motors, Wottan ca. >MY 2019 MH ca. >MY 2020 Fantic
8PZ 010 613-271	Derbi, Gilera, Moto Guzzi, MV Agusta, Piaggio, Vespa, Malaguti, Adiva, Bimota, Cagiva Gas Gas, KVN Motors, Laverda Moto Morini, Sherco, Voxan*, FB Mondial, Mash, Shineray	FIA01
342526	CAN-AM	BRP01
8PZ 010 613-261	Ducati*	BDU02
8PZ 010 616-321	Euronorm 5	BEN05 >MY 2018 Aprilia, Moto Guzzi, Vespa, Piaggio, Ducati, Honda, Kawasaki, Yamaha >MY 2020 Suzuki, KTM >MY 2021 MV Augusta, Harley-Davidson
8PZ 010 613-031	Harley-Davidson/Buell	BHD01 <BJ 2011
8PZ 010 613-211	Harley-Davidson	BHD02 >BJ 2011
8PZ 010 613-231	Honda*	BH001

8PZ 010 613-251	Honda*	BH003
342527	Husqvarna**	BHU01
342517	Hyosung	BHY01 (New models only possible with adapter 342531)
342531	Hyosung	BHY02
8PZ 010 613-091	Kawasaki	BKA01 ca. <BJ 2010
8PZ 010 613-081	Kawasaki	BKA02 ca. < BJ 2010
8PZ 010 604-141	Kawasaki	BKA03 ca. > BJ 2010
8PZ 010 613-101	KTM / Husaberg**	BKT01
8PZ 010 613-111	Kymco	BKY01
342426	Linhai	BLI01
8PZ 010 613-291	MV Augusta*	BMV01
8PZ 010 613-121	Peugeot	BPE01
8PZ 010 616-311	Piaggio	BVE01
8PZ 010 613-281	Suzuki*	BSU01 digital
8PZ 010 613-221	Suzuki*	BSU02 analogue
8PZ 010 613-431	SWM	BSWM01 >BJ 2017
8PZ 010 613-191	SYM	BSY01
8PZ 010 604-201	Yamaha*	BYA02
8PZ 010 613-311	Yamaha	BYA03

* For the external power supply, the crocodile clip red (300207) and crocodile clip black (300580) are required.

** For Husaberg, KTM and Husqvarna models without ignition lock, the new VCC adapter for additional 12 V power supply is required. (8PZ 010 613-321).

At a Glance: The Technical Data

MEGA MACS X

Processor	ARM dual processor 1.2 GHz RAM 2 GB DDR3 EMMC 32 GB
Interfaces	USB-C, DC-In, Ethernet
Supply voltage	12 V to 24 V DC
Temperature of work area	0 °C – 45 °C
Storage temperature	10 °C to 50 °C
Weight	1420 g
Dimensions	210 x 193 x 80 mm (H x W x D)
Demands on an external displaying device	<ul style="list-style-type: none"> • Screen diagonal 25.4 cm (10") • Screen resolution at least 1024*768 Pixel • Wi-Fi corresponds to IEEE 802.11 n • Google Chrome browser at least version 81

CHARGING TRAY FOR MEGA MACS X

Non-contact charging procedure	Inductive energy transfer according to Hella Gutmann standard (no Qi charging procedure)
Supply voltage	15 VDC
Temperature of work area	0 °C to 45 °C
Storage temperature	10 °C to 50 °C
Weight	590 g
Dimensions	164 x 164 x 37 mm (H x W x D)

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