

❖ IMAGE**❖ INTRODUCTION**

- MOTOSCAN is a small motorcycle & Scooter scanner. It researched and manufactured by DTDAuto Vietnam in 2013.

- MOTOSCAN used for motorbike repair workshops and motorbike technical vocational training to determine fault and repair electronic & electrical system for most motorbikes and scooters in Asia market and some other market with electronic control system for starting, fuel injection, ignition, ABS, Smart key, ODO, ECU...

- MOTOSCAN is used for diagnosing fault, repair fault for Engine & ABS system; automatic programming smart key system; automatic test ECU inside, automatic engine technical analyzing, intelligent diagnosing without OBD fault code, ODO value correction, ECU signal simulating, programming and upgrading standard software of manufacturer inside ECM, SCU... and many special measurement functions, full-featured for professional motorbike repair workshop.

Since 2020, MOTOSCAN has supported advanced function that communicate with SCU system (Smart key Control Unit) to solve requirements of automatic smart key programming in case of registration a new key, lost of the keys, replacing SCU, replacing ECM, copy, restoring and editing SCU data.

- In particular, with MOTOBX advance accessory, MOTOSCAN can correct true odometer value, reprogram ECM, simulate ECU signals, test fault inside ECU (ECU tester) ... to repair advanced problems in electronic systems of a new generation motorbikes/scooters.

- MOTOSCAN has supported advanced functions that used diagnosis solution by analyzing auto data. It can find hard faults that MIL lamp does not indicate such as: Idling Stop mode trouble, down power when accelerate, over idle speed, more fuel consumption, weak engine, hard start and mechanical faults that common diagnostic tools cannot execute.

- Support programming, adjusting and setting parameters in ECU as electronic key programming, zero point programming of TPS, and air/fuel ratio programming, idle speed and pulse bandwidth adjustment to control fuel injection vv...

- A gift [MOTODATA](#) software for 01 year (you need pay renewal fee for the next years) that used to lookup motorbike repair data for PIAGGIO, HONDA, YAMAHA, SUZUKI, SYM, KYMCO. MOTODATA supports Android, iOS, and Windows devices as smart phone, Tablet, computer, laptop. In particular, it integrated workshop management function that helps you manage orders, customers, inventory, financial...
- Equipment designed as the handheld, good quality, low cost and suitable for small and medium repair workshop.

❖ MOTOSCAN 7 SELECTION

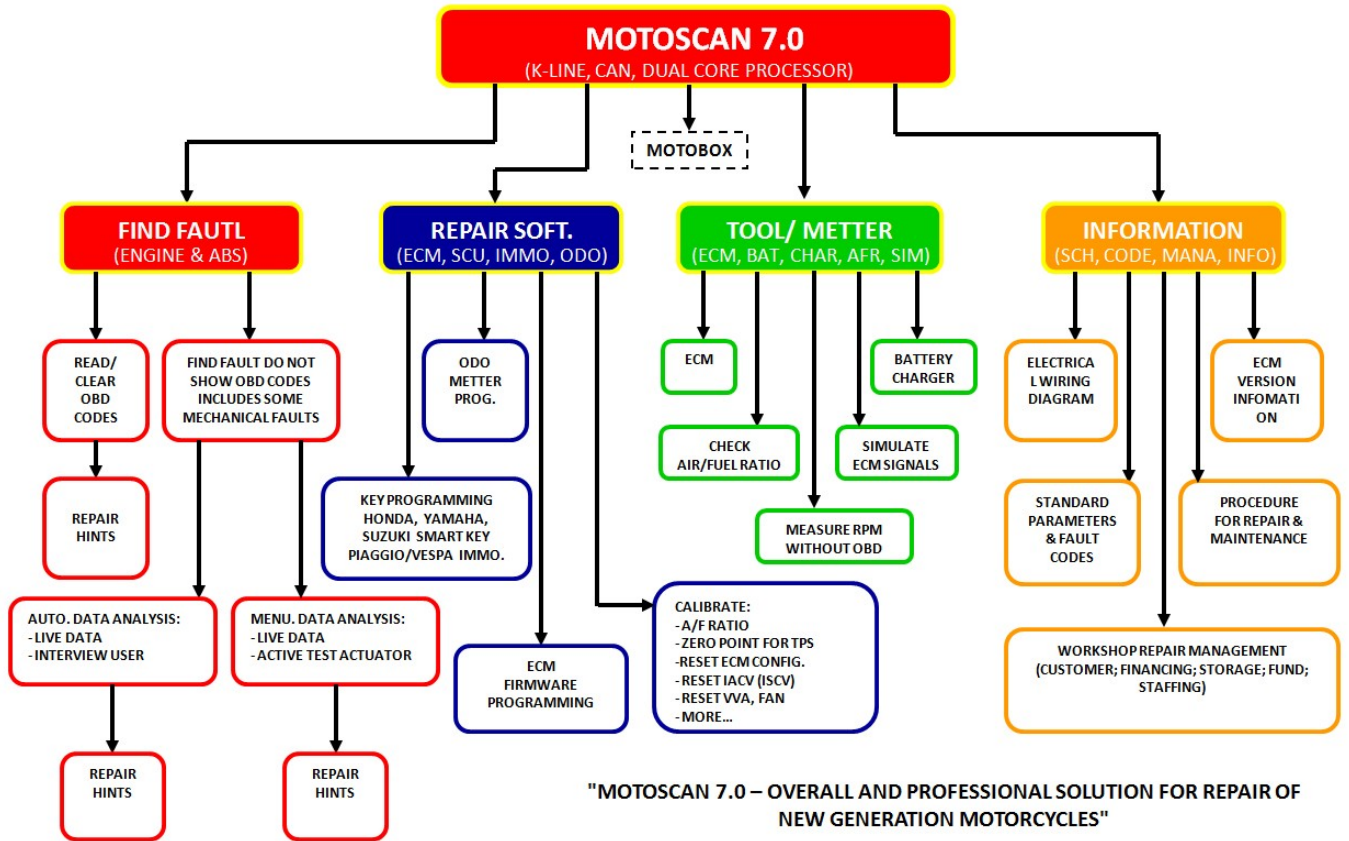
MOTOSCAN 7 STANDARD SELECTION		
PRODUCT CODE	DESCRIPTION	PRICE (USD)
SINGLE MODE (Product code: MT007H MT007Y MT007S MT007PG)	MOTOSCAN 7H/ 7Y/ 7S Support for only 01 manufacturer: HONDA (MOTOSCAN 7H) YAMAHA (MOTOSCAN 7Y) SYM (MOTOSCAN 7S)	\$395
	MOTOSCAN 7PG Support for only 01 manufacturer: PIAGGIO/ VESPA	\$495
DOUBLE MODE (Product code: MT007HY MT007HS)	MOTOSCAN 7HY/ 7HS Support for 02 manufacturers HONDA +YAMAHA (MOTOSCAN 7HY) HONDA + SYM (MOTOSCAN 7HS)	\$495
MULTI MODE (Product code: MT007M)	MOTOSCAN 7M Support full function for 04 manufacturers: HONDA + YAMAHA + SYM + SUZUKI	\$635
PRO MODE (Product code: MT007F)	MOTOSCAN 7 PRO Support full function for 06 manufacturers: HONDA + YAMAHA + SYM + SUZUKI + PIAGGIO + KYMCO	\$710

MOTOSCAN 7 ADVANCED OPTION (All more options here are depending on the customer's option without standard price list above)		
PRODUCT CODE	DESCRIPTION	PRICE (USD)
CABLE OPTION FOR ECU TEST FUNCTION	PACK 1 - HONDA (LD09-SCR) (for 02 motorcycles) Used to check ECU for LEAD 2009-2011 (ECU code: 38770-GGE-901), SCR 110 (ECU code: 38770-GFM-902)	\$45.00
	PACK 2 - HONDA (LD12-AB08) (for 03 motorcycles) Used to check ECU for LEAD 2012 (ECU code: 38770-GGE-941), AIR BLADE 2008 - 2010 (ECU code: 38770-KVG-V21), WINNER 2015-2018 (ECU code: 38770-K56-V01)	\$45.00
	PACK 3 - HONDA (AB11-VS11) (for 02 motorcycles)	\$45.00

MOTOSCAN 7 ADVANCED OPTION (All more options here are depending on the customer's option without standard price list above)		
	Used to check ECU for AIR BLADE 2011 - 2012 (ECU code: 38770-KVG-V41), VISION 2011-2012 (ECU code: 38770-KZL-E71)	
	PACK 4 - HONDA (F125-WA10) (for 04 motorcycles) Used to check ECU for FUTURE 125 (ECU code: 38770-KYZ-V21), WAVE RSX, WAVE 110, WAVE 125 (ECU code: 38770-K03-M01)	\$45.00
	PACK 5 - HONDA (WAVE-AT) (for 02 motorcycles) Used to check ECU for WAVE 110 RSX AT, WAVE 110 AT (ECU code: 38770-KWZ-841)	\$45.00
	PACK 6 - HONDA (FUX-NEO) (for 02 motorcycles) Used to check ECU for FUTURE NEO, FUTURE X (ECU code: 38770-KVL-932)	\$45.00
	PACK 12A - HONDA (SH150i-PS) (for 02 motorcycles) Used to check ECU for SH 125i/150i (2008-2012), PS (2008-2012)	\$16.00
	PACK 12B - HONDA (SH150i-PS) (for 02 motorcycles) Used to check ECU for SH 125i/150i (2008-2012), PS (2008-2012)	\$45.00
	PACK 13 - HONDA ACG ECM TESTER (for 17 motorcycles) Used to check ACG ECU for AIR BLADE 2013-2014, AIR BLADE 2015-2017, AIR BLADE 2018-2019, SH MODE 2013-2014, LEAD 2013-2014, LEAD 2015-2017, LEAD 2018-2019, SH MODE 2015-2017, SH MODE 2018-2019, SH 2015-2016, SH 2017-2019, PCX 2015-2017, PCX 2018-2020, VARIO125/150 2014-2017, VISION 2013-2015, VISION 2016-2017, VISION 2018-2020 (will continue to update for another vehicle)	\$220.00
	PACK 7 - YAMAHA (NOV-SI16) (for 02 motorcycles) Used to check ECU for NOUVO SX (ECU code: 1DB-H591A-002XC-H591A-00), SIRIUS 2016 (ECU code: 1FC-H591A-11)	\$45.00
	PACK 8 - YAMAHA (EXCITER 2018) (for 01 motorcycle) Used to check ECU for EXCITER 2018 (ECU code: 2ND-H591A-00)	\$45.00
	PACK 9 - YAMAHA (JUPITER-16) (for 01 motorcycle) Used to check ECU for JUPITER FI (ECU code: 2VP-H591A-00)	\$45.00
	PACK 10 - YAMAHA (EXCITER-19) (for 01 motorcycle) Used to check ECU for EXCITER 2019 (ECU code: 2ND-H591A-20)	\$45.00
CABLE OPTION FOR CKP, IACV/ISCV TEST FUNCTION	PACK 11- CKP & IACV Used to check Hall CKP sensor and IACV/ ISCV for all HONDA, YAMAHA, PIAGGIO/ VESPA	\$45.00

Notes: when buying the goods, customers can choose follow options and make the total payment.
Example 1: MOTOSCAN 7 PRO + MOTOBOX = \$825 = totals of payment
Example 2: MOTOSCAN 7 PRO + MOTOBOX + 03 add-in cables = \$710 + (\$45 X 3) = totals of payment

❖ **FUNCTION**



MOTOSCAN 7 FUNCTION LIST

ENGINE/ ABS SYSTEM

N O.	DESCRIPTION	COMMON FUNCTIONS (basic diagnostic tools on the market have)	IN-DEPTH FUNCTIONS (some normal diagnostic tools on the market may have)	SPECIAL FUNCTIONS DEVELOPED BY DTD AUTO (normal diagnostic tools on the market does not have)
1	Read fault codes stored in ECM	✓		
2	Advanced display of fault code information (on MOTODATA software) including fault code content, component location, fault code principle electrical diagram, the overall principle diagram			✓
3	Delete fault codes stored in ECM	✓		
4	Reset ECM	✓		

5	Display live data	✓		
6	Activate the actuators: Injector, Ignition coil, Fuel Pump, Solenoid valve, Stepper motor, Indicator and Headlight...	✓		
7	Setting: TPS, Reset IACV, Altitude	✓		
8	ECM information	✓		
9	Check depth A/F ratio			✓
10	Adjust A/F ratio	✓		
11	A/F ratio tuning by remap for ECM	✓		
12	Upgrade original ECM & Up load tuning ECM firmware by sample remap files	✓		
13	Up load user-edited remap files for ECM based on machine			✓
14	Up load free user remap files for ECM from other source out of machine (various selection of modes)			✓
15	Rescue ECM			✓
16	Advanced diagnostics with fault codes (analyze to find exact details, fault location) out of range faults			✓
17	Advanced diagnostics without show OBD fault codes (analyze by AI technology, find the exact cause, fault location) in of range faults			✓
18	Check CKP HALL sensor for HONDA, YAMAHA, PIAGGIO/ VESPA			✓
19	Check the operation, quality of the actuator (IACV, ISC...)			✓
20	Check the operation, and quality components of hardware and software (specify show the position of components, the position of the cut holes) of Engine ECUs for some HONDA, YAMAHA...			✓
21	Simulate Input signal types and			✓

	communication signals to check and diagnose engine system faults (CKP, MAP, TP, IAT, ECT, O2, VSS)			
22	Simulate Output signal types to check and diagnose engine system faults (INJ, IGPLS, RELAY, SOLENOID...)			✓
ODO SYSTEM				
23	Read the current ODO value		✓	
24	Correct and edit ODO value for ODO repair or replacement		✓	
25	Reload the original ODO software to repair or replace ODO		✓	
26	Look up location, connection diagram, and function pins to check on the same screen, convenient for manipulation, correction, and repair (on MOTODATA software)			✓
27	Simulate normal Vss, K-line Vss signals to check and repair ODO			✓
SMART KEY SYSTEM				
28	SCU programming - register more keys (FOB)			✓
29	SCU programming - register a new key (FOB) when all keys are lost			✓
30	SCU programming - inactive use FOB when lost			✓
31	SCU programming - reactivate use of FOB (after canceling use)			✓
32	SCU programming - ECMID synchronization between SCU and ECM			✓
33	Check results of synch FOB and SCU			✓
34	Check the declared value of KEYID			✓
35	Read KEYID directly from SCU			✓
36	Delete KEYID inside SCU			✓

37	Copy SCU data (from SCU A to SCU B) when repairing			✓
38	Reload SCU sample data when repairing			✓
IMMOBILISER SYSTEM				
39	Register more keys		✓	
40	Register a new key when all keys are lost		✓	
41	Read KEYID directly from ECM/IC		✓	
42	Check the key, read the current KEYID through the antenna (for Medley with ECM code: PGQ16)		✓	
43	Reset Immobiliser		✓	
44	Replace ECM		✓	
OTHER MEASURE FUNCTIONS				
45	Check the quality and capacity of the battery			✓
46	Check the charging status, operation and quality of the charging system		✓	
LOOK UP TECHNICAL DOCUMENTS (on MOTODATA SOFTWARE)				
47	Support automatic calculation feature for motorcycle electronics repairmen: calculate the resistance value according to the color rim and according to the symbol on the SMD resistor; calculate the resistance for the LED circuit; calculate the correction resistance of the regulator, and rectifier; calculate sensor calibration auxiliary resistance...			✓
48	Integrate lookup data and documents, repair data, electrical diagrams of all kinds, and electrical and mechanical specifications in one application			✓
49	Look up principle diagrams and assembled circuit diagrams for vehicle systems			✓

50	Look up electrical specifications			✓
51	Look up engine mechanical specifications and disassembly instructions			✓
53	Look up the function pin position of ECU, ABS, SCU...			✓
54	Look up acronyms, wire colors, fault code information, SCU, FOB...			✓
55	Repair workshop management function: warehouse management, service, personnel, customers, maintenance...			✓

❖ ADDRESS & APPLICATION RANGE

- It is diagnostic tool in motorcycle/ Scooter workshops and equipment for technical training.
- A semi-finished products connect to trainer for electronic injection & ignition system of PGM-FI motorcycles.
- A safety check equipment of the motorcycles before it is running on the road and in motorcycle club.

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