

MTA

Customizable electronics

Shanghai, November 24th 2020. MTA a multinational company, headquartered in Italy, known for the development and production of a wide range of electrical and electronic products for major OEMs, is introducing during Bauma CHINA 2020 (Hall N1, Stand 553) its software solutions for easily customize electronics.

Increasingly popular in today's market, off-the-shelf customizable dashboards, displays and ECUs help to reduce research and development costs and times linked to new products. In fact, they allow significant economies of scale thanks to the same hardware used for different platforms, and to the software that can be customized for every single application.

For some years now, MTA has been developing customizable electronic devices, with a constantly expanded range, more and more popular among off-highway vehicle producers thanks to MTA software solutions, like MTA Studio, MTA Speedy Creator and MTA Gate.

MTA Studio is a proprietary tool for the computer that allows the customer to tailor the product to the needs of the vehicle it will be installed on. Several customers using MTA Studio software confirmed its user-friendliness that has allowed them to implement the basic software in total autonomy.

MTA is offering a customized version of Android Studio, MTA Speedy Creator, to enable the developers to easily create advanced user interfaces.

MTA Gate allows to transfer a software generated by MTA Studio to all devices. It is a simple interface for dealers and maintenance technicians. This PC tool allows software updates and the quick and safe configuration of some vehicle parameters.

MTA Studio, MTA Speedy Creator and MTA Gate software tools are managed using the MTA Dongle. The USB allows the end user to unlock all the MTA development and configuration tools downloaded from MTA website. There are different available licenses, Platinum, Gold and Silver, with different characteristics.

The off-the-shelf dashboards and displays have hardware and software architectures that are very similar, but have a range of looks, sizes, numbers of LEDs, inputs and outputs, as well as different screen types to meet all the needs of the off-highway world.

MTA S.p.A.

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Round, square, rectangular, oval or ovalized: the dashboard and display shapes meet today's OEM demands, with dimensions ranging from extremely small (107 mm outer diameter) to the high-end 310x215 mm display. The types range from LCDs (segment or dot matrix) to TFTs (3.5" up to 4.3"), all coupled with analog needle indicators, up to full color 8" or 12" TFTs. Some models have video inputs that can connect to cameras and power outputs to drive external functions, allowing the dashboard to replace electronic control units.

Each dashboard, display and ECU, is equipped with at least one connection to the CAN network State-of-the-art components, advanced treatments and materials guarantee high resistance to temperatures and vibrations, as well as an IP66 or IP67 degree of protection. Most of these products can feature both a 12 V and a 24 V power supply.

The development and production of all the electronic devices by MTA are entirely carried out in MTA Rolo, a company-owned Italian facility representing a top notch centre working with forefront modelling, simulation and graphic generation systems. Production has reached very high process standards in MTA Rolo, with latest generation assembly machines and highly advanced tracking system. Cutting edge hardware and software systems like those used by world leading electronic manufacturers, ensure traceability for each individual installed component in each product. The whole manufacturing area is an Electrostatic Protected Area (EPA) and is equipped with special devices that prevent electrostatic charge build-up on people. The plant is accredited according to the most stringent regulations in the automotive world.

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IMAGES

	<p>MTA customizable products with MTA Speedy Creator</p>
	<p>MTA customizable products with MTA Studio</p>
	<p>MTA USB dongles</p>

MTA S.p.A. is a global leader in the development and production of a wide range of electromechanical and electronic products developed internally for the primary manufacturers of cars, motorcycles, tractors, and heavy vehicles. Founded in 1954, MTA has two production sites in Italy (Codogno and Rolo), 8 foreign sites, sales of about €203 million, and 1,550 employees.

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