



March 23, 2018



TEAM MUGEN announces participation in the 2018 TT Zero Challenge class*

TEAM MUGEN will introduce a new machine "Shinden NANA" challenging the Isle of Man TT Zero at MUGEN booth in the 45th Tokyo Motor Cycle Show today.

The new machine this year is installed with a front cowl having better cooling efficiency, and newly designed side and rear cowls with improved aerodynamics compared to those of the previous machine. At the same time the new machine is designed to maximize the potential of the battery capacity. TEAM MUGEN will challenge the five successive year's winning at the Isle of Man TT Zero race and try to set a new lap record.

Three riders are to take part in the race. The first rider is Bruce Anstey who won the races in year 2016 and 2017 in a row, and the second rider is John McGuinness who has won the TT race for 23 times, one of the legends in the Isle of Man TT race. And the third rider is Lee Johnston coming from the Northern Ireland who has taken part in the North West 200 many times.

* The Isle of Man TT Race (The Isle of Man Tourist Trophy Race) TT Zero Challenge

The Isle of Man TT race, which started in 1907, is the oldest high-speed motorcycle race that is still currently held. The isle, which is located in between the United Kingdom and Ireland, is about the same size as the Awaji-shima island of Japan. The races are held in a time trial format on a 60 km public street course that includes urban zones, residential areas, and a mountain section. The event was resumed in 1947, after the end of World War II, as part of the Motorcycle Grand Prix World Championship, and was soon an irresistible competitive challenge for the Japanese motorcycle manufacturers to demonstrate their technical abilities, and the riders with their courage. As a result of their successes in the Isle of Man TT it has served as a foundation for the Japanese motorcycle industry, from which it has made the leap to the pinnacle of world class motorcycle manufacture and competition. The TT Zero Challenge class is a new category that was started in 2009 in anticipation of the future of the age of clean energy. In this category, machines are required to be equipped with a power plant emitting zero carbon dioxide. Though races for conventional internal-combustion engine classes can range from three to six laps, the race distance for the TT Zero Challenge class is currently one lap (approximately 60 km) in deference to current technology battery performance and capacity.

■ Team structure

TEAM	No	Rider	Director
TEAM MUGEN	1	Bruce Anstey	Akihiro Miyata
	2	Lee Johnston	
	3	John McGuinness	

■ Machine: SHINDEN NANA



■ Riders' profile

● Bruce Anstey

- DOB: 1969.4.24
- Birthplace: Wellington, New Zealand

Debuted at the Isle of Man TT in 1996. As of now he won the TT race for 12 times. He has been winning TT Zero race two successive years, 2016 and 2017.



● Lee Johnston

- BOD: 1989.3.10
- Birthplace: Maguiresbridge, Northern Ireland

He won the British super-stock 600 in 2008. Debuted at the public road race, the North West 200 in 2008. His debut in the Isle of Man TT was in 2013. He also took part in the TT Zero race in year 2015.



● John McGuinness

- BOD: 1972.4.16
- Birthplace: Morecambe, Lancashire, England

Debuted at the Isle of Man TT in 1996. As of now he has won the race for 23rd times. One of the legends of the TT race. Winner of TT Zero in 2014 and 2015



Introduction of MUGEN booth at the 45th Tokyo Motor Cycle Show

SHINDEN NANA

Shinden Nana with better cooling efficiency and aerodynamics compared with the Shinden Roku winning the 2017 TT Zero race. Potential of the battery capacity of the new machine is also maximized. The naked Shinden Nana also will be displayed at the MUGEN booth.



■ General Specifications

• Machine Name :	神電 七(SHINDEN NANA)
• Overall Length/width/height (mm):	2,125 / 680 / 1,130
• Ground Clearance (mm) :	130
• Seat Height (mm) :	810
• Total Weight (kg) :	248
• Tire (Front) :	120/70ZR17M/C (58W)
• Tire (Rear) :	200/55ZR17M/C (78W)
• Frame :	CFRP Monocoque frame
• Motor Type :	Oil-cooled, 3-phase, Brushless Motor
• Maximum Output (kW[ps]) :	120[163.2]
• Maximum Torque (N · m[kgf · m]) :	210[21.4]
• Battery Specification :	Laminate-type Lithium-ion
• Battery Output Voltage (V) :	370 or more

■ Rider line-up

- # 1 Bruce Anstey
- # 2 Lee Johnston
- # 3 John McGuinness

Electric Motocross machine “E.REX”

MUGEN has been winning the Isle of Man TT Zero race in the past four years with our original bespoke EV bike, SHINDEN. As a next step in the development of the technology used in the SHINDEN programme MUGEN has made a directional change in order to bring the joy of electric motorsports closer to as many people as possible, with the development of the Electric Motocross machine, “E.REX.” which is displayed again this year. MUGEN has taken the conceptual image of the powerful dinosaur, T-REX, and an alphabet “E” as in an electricity. MUGEN continues to develop the machine to introduce a trial model this year.



MUGEN V Twin Engine Study Model

“Now is the time when everything changes dramatically. So then we would like to develop the gasoline engine which makes brutal engine sound and achieves high torque feeling, and we also reflect masculine coolness on it. “ With such a desire, a new gasoline engine “MUGEN V Twin Engine” with strictly selected materials and design, and extremely high fine state of the art technology is born and which will be displayed at the MUGEN booth. Considering the sale of such an engine, MUGEN will continue to develop it.



The 45th Tokyo Motor Cycle show web site

<http://www.motorcycleshow.org/outline/>

MUGEN official site

<http://www.mugen-power.com/>



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