響け。

YAMAHA MOTOR PRODUCT ORCHESTRA

The 44th Tokyo Motor Show 2015
響け。

YAMAHA
MOTOR PRODUCT ORCHESTRA

あなたに響くマシン。
あなたと響くマシン。
それをヤマハは追い求めている。
あなたの感性に共鳴し、あなたの意志にシンクロする。
機械の限界を超え、まるで最高の楽器とひとりの一流奏者のように。
素晴らしい旋律を奏で始める瞬間。
すべての人が、それぞれの心を
響かせることができるマシン。
ひとつの個性の輝きは、
大きなるゆとり、あたりの感動を作り出す。
そう、まるでオーケストラのように。

Resonate.
YAMAHA MOTOR PRODUCT ORCHESTRA

A machine that resonates within you.
A machine that resonates together with you.
That is what Yamaha seeks to create.
Technology that resonates in tune with your perceptions, synchronizes with your heart and will, and brings the fun of riding to people in ways that can’t be predicted from just desktop numbers and data.
Moments when products seem to effortlessly transcend the limits of a machine, like when the finest instrument in the hands of a virtuoso begins to create magnificent music.
Machines that resonate and strike a vibrant chord in the hearts of each and every individual. Each radiates a uniqueness that rises together in harmony; like an orchestra—this is the moment when new Kando is born.

ひろがるモビリティの世界へ。ヤマハとかかわるすべての人へ。期待を超える感動を届けたい。
2015年、さらに進化したヤマハの挑戦をご体験ください。

Toward a Growing World of Personal Mobility. To everyone that encounters the Yamaha brand, we want to deliver Kando that exceeds expectations. We hope you will see and experience firsthand the progress we have made in our numerous challenges in 2015.
Design Concept for a 2-Seater Sports Car

If Yamaha set out to build a sports car, what would its design be like? The sports car concept fuses quintessential sports car proportions with uniquely Yamaha ideas that draw on our specialties as a manufacturer of various mobility products. The tangible design elements evocative of motorcycles throughout the car entice the driver to get behind the wheel.
2シーター スポーツ車：デザインコンセプト
Design Concept for a 2-Seater Sports Car

SPORTS RIDE CONCEPT

Would it be possible to build a car that is fun to drive in the same ways a motorcycle is exciting to ride? As a further evolution of our multi-wheeled vehicles, Yamaha is currently developing a compact 4-wheeled automobile based on a new concept unlike anything before. One of the vehicle’s most distinctive features is the lightweight, high-strength, high-stiffness frame based on the iStream® process that reflects ideals used for Formula One racing cars. iStream® makes it possible to build a range of variations based on this one platform, from urban commuter cars to sports cars and SUVs, covering a wide variety of uses and different types of driving enjoyment. Since revealing the MOTIV prototype at the Tokyo Motor Show in 2013, we have been making steady development progress toward models for production and commercialization. We hope you look forward to the day when you can get behind the wheel.
This look and configuration like nothing you have seen before is also proof that it rides like nothing you have experienced before. The MWT-9 is a “Cornering Master” featuring a twin front wheel configuration and it redefines what it means to slice through turns during sporty riding. It boasts a high level of performance that lets the rider fly freely through twisty roads dotted with tight, successive corners and ever-changing road surfaces. The road-tracking performance of the two front wheels provides excellent feedback from the road and achieves outstanding cornering capabilities, from braking to entry in tight turns, thus allowing riders to experience an easy-to-ride character like none before. The model’s riding potential and qualities were given form under a design concept of todoroki (a resounding roar). The styling fuses dynamic and seamless bodywork with aggressively themed high-precision mechanisms, and sends an echoing message rippling around the world that tells of the new horizon of riding enjoyment to come and the potential in Yamaha’s Leanin Multi-Wheel technology. The MWT-9 will be what opens up a new category of sporty mobility.
マニュアル/オートモードを兼ね備えた、多機能なバッテリー駆動の電動シクレットトラクルが搭載
It is possible to switch between manual and automatic gear shifting, and the clutch enables a variety of ways to control the drive force from the rear wheel.

マンサントトレイルとしての機能
EVとしてもの必然が生んだユニークな車体デザイン
The unique chassis design comes from the functions needed for a mountain trail bike and the requirements of an EV.

人体認識や車両の起動、車両状況の確認、目的地設定など、
Rider recognition, tuning on the bike, checking vehicle conditions, selecting destinations and other rider-support features are controlled via IoT (Internet of Things) functions.

スマートグラスには、車両前後に搭載した
These "smart glasses" utilize cameras on the bike facing the front and rear to display a variety of information to the rider.

自然との共生をテーマに開発したエレクトリック・マウンテントレイル
This electric mountain trail model was developed with a theme of coexisting with nature. The torque from the electric motor is precisely controlled by means of our electronic control technology to deliver performance that makes the PED2 easy to use even for beginners as well as delivering plenty of drivability at very low speeds. The PED2 uses the same main electric power unit as the road-going PES2. The only noise emitted by the PED2 is the light hum of the motor, allowing you to quietly enter the woods and ride on trails without disrupting the serenity of the sound of the birds and the wind rustling the branches overhead. Whether it is for bird watching or just exploring a new trail, this is mobility that opens up new ways to enjoy the great outdoors.
The only thing you hear is the sound of the wind rushing by; this is the future of road-going sport bikes. The PES2 is the product of a pursuit to create a sport EV that can provide performance never experienced before. The second motor is built into the hub of the front wheel, making this a 2WD motorcycle. From start to cornering, the PES2 heightens the feeling of road contact and ensures efficient transmission of drive force to the road in a way that never feels unnatural to the rider. Also, the “smart helmet” serves as the base for a next-generation ridersupport system.

The main motor and frame are designed as a single unit. The styling has a “floating” bone and wing structure that resembles an exoskeleton.
Resonator 125

Affinity with your bike only grows with the passage of time, and whether you are riding or simply gazing at the Resonator125, it strikes an emotional chord. This road sports model was conceptualized as a fusion of the old and new. Its sporty chassis was designed for qualities that stay true to the long-held Yamaha sport bike principles of lightweight, slimness and compactness and the model employs a new device for the instrument cluster. Furthermore, everything is melded together with the craftsmanship that goes into creating the finest musical instruments, something only Yamaha Motor can deliver thanks to the brand’s origin in the music industry. The Resonator125 is a machine that can bring great fun and satisfaction to people who have yet to fully discover the joys of motorcycling, as well as veterans who have owned a number bikes over the years.

125cc Road Sports Motorcycle

The engravings on the muffler and fuel tank cap were done with some intricate techniques used on brass wind instruments (in cooperation with Yamaha Musical Products Co., Ltd.).

The side panels of the fuel tank and rear cowl utilize decorative panels of natural wood created with traditional piano manufacturing techniques (in cooperation with Yamaha Fine Technologies Co., Ltd.).

The new-generation headlight uses a bulb packed with LED lighting elements instead of reflector for excellent illumination.

A multifunction smartphone instrument cluster that is fun to use whether you’re on or off the bike.

参考出展車（試作車）
Reference vehicle (Experimental vehicle)
MOTOBOT Ver.1

Autonomous Motorcycle-Riding Humanoid Robot to Best Rossi on the Racetrack

MOTOBOT is an autonomous motorcycle-riding humanoid robot that approaches riding operations from a human rider’s standpoint — with no modifications made to the motorcycle itself. The development theme is “Beyond Human Capabilities.” In general, robots are developed to specialize in a specific task and this typically allows them to surpass the capability of humans for that task. Utilizing this advantage, the end goal of MOTOBOT is to become capable of competing against Valentino Rossi’s lap times around a racetrack. The knowledge and highly advanced fundamental technologies gained from this challenge will be put to use in developing new products and creating new value.
How close can MOTOBOT get to Valentino Rossi as a rider?

ROADMAP

2015 > 2017 > 2020

MOTOBOT is a humanoid robot designed to operate a motorcycle autonomously. It will be capable of achieving speeds of 100 km/h, running a 1.5 km course, and completing a race at 200 km/h or higher.

MOTOBOT has been designed to handle various challenges on the track, including obstacles and changes in track conditions. The robot will use its own vision system to detect and respond to changes in the environment.

The Future Possibilities MOTOBOT Will Create

- By using MOTOBOT’s technologies to optimize control of vehicle dynamics, we will develop higher performing and safer forms of mobility.

MOTOBOT Technologies

MOTOBOT uses Yamaha’s technology gained from developing motorcycles. It can perform actions similar to a human rider, such as braking and accelerating, and can switch between different riding styles.
OTHER LINE UP

Smart Power Vehicles

YPJ-R
市販車 Production vehicle
2015年12月10日発売
(On Sale: 10th December, 2015)
YPJ-MTB CONCEPT
参考出展車試作車
Reference vehicle (Experimental vehicle)

TOUCH & TRY
Motorcycles

YZR-M1
参考出展車(記念車)
Reference vehicle (Commemorative vehicle)

YZF-R1
参考出展車(輸出仕様車)
Reference vehicle (Export specification vehicle)

YZF-R3 ABS
市販車 Production vehicle

MT-09 TRACER ABS
市販車 Production vehicle

MT-07 ABS
市販車 Production vehicle

MT-03 ABS
市販車 Production vehicle

TMAX530 ABS
TMAX IRON MAX
市販車 Production vehicle

NMAX125
市販車 Production vehicle
2016年発売予定
(Scheduled to be released in 2016)

VMAX
市販車 Production vehicle
2015年発売予定
(Scheduled to be released in 2015)

SR400
市販車 Production vehicle

Recreational Off-highway Vehicle

TRICITY 125
市販車 Production vehicle
2015年発売予定
(Scheduled to be released in 2015)

YXZ1000R
特別出展車(海外生産車)
Special exhibit (Overseas production vehicle)

東京モーターショー 2015
スペシャルサイト
Special Site

http://global.yamaha-motor.com/jp/showroom/event/2015tokyomotorshow/sp/

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