



A BESPOKE, COACH BUILT CAR OF TOURING SUPERLEGGERA IN WORLD PREMIERE AT THE 85th GENEVA MOTOR SHOW: TOURING BERLINETTA LUSSO

- **Coach built bespoke cars establish in the automobile market as the ultimate statement of luxury.**
- **The Berlinetta Lusso in world première, yet another testament of Touring's design and craftsmanship, inspires from the golden age of Italian *fuoriserie*.**
- **First of a small series of five hand-built units, the Berlinetta Lusso has been developed on a customer's wish on the Ferrari F12 chassis.**
- **Unusual, lavish three-box volume separation with perfect proportions epitomises understated elegance.**
- **The MINI Superleggera™ Vision lands back in Europe from its global car show tour to display Touring's capability in supporting manufacturers with outstanding concept cars.**

Touring Superleggera is back in the spotlight at the 2015 Geneva motor show with a world premiere: the *Berlinetta Lusso*. The main character on stage is a street legal 2-seater coupe, first of a series of five units.

Behind its birth, the desire of a passionate Ferrari collector to have his own F12 dressed up. The tailor-made, lavish coupe in the purest spirit of Italian *carrozzeria* features a three-box architecture, itself a statement of luxury. It makes the hailed F12 rolling chassis with its overpowering naturally aspirated V12 even more special.

The *Touring Berlinetta Lusso* celebrates the legacy born with the *feature line* introduced by Touring on the iconic Ferrari 166 MM, the first series-produced Ferrari. It is the umpteenth expression of the creative inspiration of the Italian coachbuilder, recently appointed with numerous awards at the major contests.

The Touring programme includes this year the MINI Superleggera™ Vision concept, just landed from a series of transatlantic auto shows, courtesy of BMW Group. Awarded "Best Concept Car of The Year" at the Festival Automobile International in Paris, this concept made in co-operation with MINI explores new design languages for the iconic British brand. It testifies how coach building can support car manufacturers in delivering unique concept cars with creativity, flexibility and outstanding quality of execution.

Geneva confirms the unique role of Touring as manufacturer of bespoke bodyworks, from design to perfect manufacturing under the same roof, testified by the growing interest of individual customers and manufacturers alike.



Design

The *Touring Berlinetta Lusso* takes inspiration from the golden era of Italian *fuoriserie* with proportions we are not anymore used to.

The luxury touch is expressed by the apparent separation of volumes: a long bonnet evoking the powerful V12 engine, a cockpit resolutely designed for two, and a discrete trunk for precious luggage.

" We devoted time to glorify the perfect proportions, the hallmark of Touring Superleggera design. There's no need to conceal or overdesign. Nowadays, we concentrate our energy into the most significant activity: the validation of volumes and proportions. We keep applying the original Touring design philosophy: the volume defines us and shows us our path" - so Louis de Fabribeckers, head of the design team.

There are evident Touring traits in the surface treatment too, like the unmistakable waistline edge springing from the front wheel arch and embracing the body till its muscular rear. This shape can only be reproduced through manual hand beating of aluminium sheets.

The exterior paint chosen for the *Touring Berlinetta Lusso* is Azzurro Niourlague, a hint of Mediterranean sea in a sunny and windy day. The chilly shade contrasts with the interior, featuring a cocoon of slightly darker blue just split by a cream-coloured band all around the cockpit and sumptuous seats with their refined blue stitching.

All unnecessary or distracting items are removed to help the driver concentrate on the driving experience. Touches of hand-brushed aluminium are a reminder of the craftsmanship involved in construction.

Only five of a kind will be produced, each and everyone custom-fit to respect the personal commissioning credo of Touring.

Chassis

The *Touring Berlinetta Lusso* shares the F12berlinetta rolling chassis, whose outstanding mechanical, electrical and electronic equipment and powertrain are untouched.

A set of new techniques applies to the spaceframe, which employs no less than twelve different types of alloy – some of them used for the first time in automotive - besides new ways of assembling and connecting components. All of this lead to considerable weight saving and 20% increase in torsional stiffness, supporting the stellar performance and efficiency.

Body engineering and production process

Before any action in the building phase is taken Touring performs accurate investigations aimed at respecting or improving the original car's performance and quality and obtaining homologation.

A typical research involves FEM of the structural subsystems, while aerodynamics is assessed through Computational Fluid Dynamics with special attention paid to maintain the rear train downforce.



In addition, every single part including connections between chassis and body are CAD designed to guarantee quality and lack of vibrations.

Like any car manufacturer, a bill of materials and a detailed manufacturing cycle are filed together with parameters that indicate quality standards. Accurate surfacing and digitally controlled assembly tools are used for three-dimensional positioning of body parts, symmetry and gap measurement. This process allows matching surfaces and ensure less than 2mm tolerance in each single surface point of the finished car.

Aluminium and carbon fibre

Although Touring Superleggera gained recognition for mastering hand beaten aluminium, the bodywork combines aluminium and carbon fibre panels to save weight.

In the preliminary study, early consideration is devoted to the analysis of the ultimate materials in terms of weight reduction, stiffness, quality of surface and ease of repair in the event of damage.

Touring Superleggera chose carbon for the bonnet, front bumper, skirts, tailgate, front splitters and rear diffuser. The structure of the fibres is investigated to optimize the weight/stiffness ratio. For the best accuracy and quality, every element of CFRP is autoclave cured at 120° C, while the bonnet features high-temperature pre-preg and treatment to resist 250°C.

Aluminium panels are hand-beaten at Touring Superleggera using a 1:1 manufacturing buck in epoxy replicating the zero-surface with offset equal to the panels' thickness.

Touring's engineers and artisans devote to each manufactured unit 5000+ hours of highly skilled work. The human touch and painstaking care of each detail will always mark the difference from series production.

The whole process is run in the Touring Superleggera atelier nearby Milan.

Finishing and quality assurance

Quality checks include static and dynamic tests before the vehicle is released.

A protocol of exams needs adherence to standard requirements for surface alignment and gaping, exterior paint quality and polishing, interior finish. Functional tests are run in climatic chambers.

Dynamic tests on proving ground comprise NVH reduction, driveability, braking and all the functional aspects. The trial includes top speed behaviour, handling response on dry and wet ground and rough surfaces.

Type approval

The *Touring Berlinetta Lusso* has received EU type-approval under the EU-Directive 2007/46 EC for small series.

Price and Terms

The price of the Berlinetta Lusso is on demand.



Touring Superleggera delivers the complete car in six months after reception of the donor car. All Touring-produced or modified parts have two-year unlimited-mileage warranty, subject to the usual industry terms. Touring shall supply the modified parts for life.

TECHNICAL SPECIFICATIONS

Dimensions

Length: 4692 mm
Width: 2080 mm
Height: 1288 mm
Wheelbase: 2715 mm
Curb weight: 1645 kg
Boot volume: 187 litres
Fuel tank capacity: 92 litres

Engine

Cylinders/ type: V12, 65°
Cubic capacity: 6262 cc
Nominal output: 545 Kw (740hp) 8250 rpm
Maximum torque: 690 Nm
Emission level: Euro 5

Fuel consumption, EU drive cycle

Urban: 22,5 l / 100 km
Extra-urban: 11 l / 100 km
Combinated: 15 l / 100 km
CO2 emissions (combinated): 350 g / km

Driveline

Rear wheel drive, 7-speed, electroactuated sequential gearbox with paddle-shift control and automatic mode.

Wheels

Tyres: Michelin Super Pilot front 255/35 ZR20 ; rear 315/35 ZR20
Wheel type: Aluminium forged wheels

Performance

Top speed (est.): 340 km/h
Acceleration (est.) 0-100 km/h: 3,1 sec



Photo-shooting

Touring Superleggera, worldwide ambassador for made in Italy, selected a prestigious venue as set of the first photo-shooting for the Touring Berlinetta Lusso, a place that blends allure, style and elegance and is the envy of the world: Villa del Grumello, nestled in the exclusive landscape of the Lake Como, enchanting for its delicate atmosphere and the harmonious altogether.

Owned, among others, by the Odescalchi family, the Villa over the centuries included notable guests: Vincenzo Monti, Alessandro Volta and Ugo Foscolo, remembered by a bust placed in the garden.

Today, Villa del Grumello hosts cultural, artistic, educational and scientific events on top of exclusive private gathering and meetings.

MINI Superleggera™ Vision

A timeless beauty blending tradition and innovation. This expression has been used by BMW Group and Touring Superleggera presenting the MINI Superleggera™ Vision at Concorso d'Eleganza Villa d'Este 2014 claiming an exclusive interpretation of a two-seater open car.

The MINI Superleggera™ Vision is on the one hand a classic roadster, a compact and agile two-seater, expressing the most minimalist and emotional style of motoring; on the other hand its electric drivetrain gives the car distinctly modern driving dynamics.

In collaboration with MINI, Touring Superleggera has designed and built an elaborately crafted, unique model which blends the tradition of classic coachwork construction with the MINI's authentic British styling to create timeless aesthetic appeal.

- Modern Britishness meets Italian flair: the iconic design of MINI meets elegant, athletic beauty interpreted in contemporary style.
- Classic Italian body construction and hand-shaped metal sheeting give the MINI Superleggera™ Vision a unique emotional appeal.
- Both on the inside and outside, the form is reduced to the maximum extent so as to achieve clear focus on the distinctive driving experience.
- The interior reflects traditional coachwork construction in terms of materials and styling, combined with the icons of MINI interior design.
- High-end materials such as leather, aluminium and black chrome highlight the clear aesthetics of the interior

Adrian van Hooydonk, Senior Vice President BMW Group Design on the concept: *"Touring Superleggera and MINI have much in common: both companies attach great importance to their history and this is something which defines their outward appearance to this day. What is more, they both emphasise iconic design and distinctive solutions.*

These elements are merged in the MINI Superleggera™ Vision to create an elegant automobile which interprets a British roadster under the influence of Italian style and handcraftsmanship."



"We are delighted that MINI wanted to stimulate an independent initiative and particularly Italian design for the first time", says Piero Mancardi, CEO of Touring Superleggera. He continues: "This project also shows MINI's attention to preserving and nurturing the skills of craftsmanship incorporated in modern coach building."

Coachbuilder in 2015

Our motto in terms of commissioning is *"tailor made, hand made"*, responding to an increasing need of distinctiveness, customization and exclusiveness coming from all over the world. Today, being a coachbuilding company does not only require to be original delivering beautiful body shapes: Touring Superleggera grants immediate feasibility beyond the limits of the large scale series-production allowing the design department to be free, obeying only to what the customers desire.

In order to be produced, even a *fuoriserie* needs to meet the standards for quality, safety and functionality of every other mass produced car. Actually, it shall exceed these terms aiming at excellence in each single detail, exuding quality in design, execution and materials.

This is nowadays possible thanks to state-of-the-art engineering techniques allowing accelerated design and test on parts, accessories and systems. Even the most skilled hands cannot perform at the level we require if not supported by computer technology, tooling and modern processes.

Touring Superleggera stands in the industry landscape for its unique capability of completing the whole cycle from the initial sketches till the delivery of exclusive cars under the same roof. Exposed to the vibrant atmosphere of Milan, it epitomizes the design and luxury values of *Made in Italy*.

Touring Superleggera believes that coachbuilding adds great value to nowadays' automotive industry if it respects its rigorous needs and requirements.

The History of Touring Superleggera

Touring Superleggera is recognized worldwide as one of the iconic names in Italian car design and coachbuilding. Founded by Felice Bianchi Anderloni and Gaetano Ponzoni in 1926, the company started to produce custom built automotive bodywork with two distinctive features from the very beginning: sporting elegance and lightness.

Early customers were reputed car makers as Isotta Fraschini and Alfa Romeo. It would mark the start of a flamboyant period, also culminating in the "Flying Star" period with several spectacular spider coachworks

Touring Superleggera also gradually researched the streamlining process. The marriage between this, and their Superleggera construction system using aluminium body panels over a light but rigid tubular steel frame, resulted in some extremely elegant masterpieces such as the 1938 Alfa



Romeo 8C2900 Touring spider, which today have become icons of automotive design and body construction.

In 1945, the excellent Carlo Felice Bianchi Anderloni joined his father at the company, which soon started to receive its first orders from Enzo Ferrari. The Ferrari Tipo 166 Touring Barchetta of 1950 formed a new milestone for light, elegant and effective design on a competition chassis.

Under Carlo Felice, Touring saw its industrial customer basis grow in the mainstream of the expanding automotive industry in Italy and Europe. A number of niche models were designed and built on Alfa Romeo 1900, Lancia Flaminia and Maserati 3500. Another new inspired car manufacturer from the Bologna area relied on Touring's skills: Lamborghini, that commissioned its first GT, the 350. In the same period Touring created another iconic automobile: the Aston Martin DB4, followed by the DB5 and 6, manufactured in Newport Pagnell with a license for the Superleggera bodywork system.

Since 2008, Carrozzeria Touring is an all-round supplier of automotive design, engineering and body manufacturing.

Design services range from style features body engineering, CAD feasibility studies, FEM/FES analysis, CFD/aerodynamic analysis, virtual crash test.

The manufacturing department provides style models, show cars, rolling concepts, street legal one-offs and limited production series. Recent models include the Bellagio Fastback based on Maserati Quattroporte and the concept two-seater A8GCS Berlinetta winner of the "Best Supercar of the Year" award in 2009.

They were followed by the acclaimed Bentley Continental Flying Star (2010), manufactured in limited run with the endorsement of Bentley Motors, and the Gumpert Tornante by Touring (2011), a superfast Grand Tourer commissioned by the excellent German sports car manufacturer.

In 2012 Touring celebrated a masterpiece from its rich heritage, taking inspiration from the Alfa C52 Disco Volante of sixty years before. The innovative, breathtaking Alfa Romeo Disco Volante, built by hand in a limited run of up to eight units, won the coveted Design Award at Concorso d'Eleganza Villa d'Este 2013.

The company aims at perpetuating the core values of Touring design: purity, integrity, proportions, simplicity, resulting in timeless sporty elegance.

Design, manufacturing and restoration activities are run in the company premises nearby Milan.

Geneva, International Motor Show, Hall 2, booth 2057

Embargo: 3rd March 2015 at 14:00 CET

Contact: Emanuele Bedetti

+39 346 122 0490

communications@touringsuperleggera.eu