

Langen
MOTOR CYCLES

LS12 • LIMITED TO 185 COMMISSIONED BUILDS

LIGHTSPEED

A NEW COMMISSION. BUILT FOR ITS OWNER.

Designed, engineered and hand-built in Wigan, England. Every Lightspeed is made to order for the rider who commissions it – one of 185, and the only one of its kind.

MADE IN BRITAIN

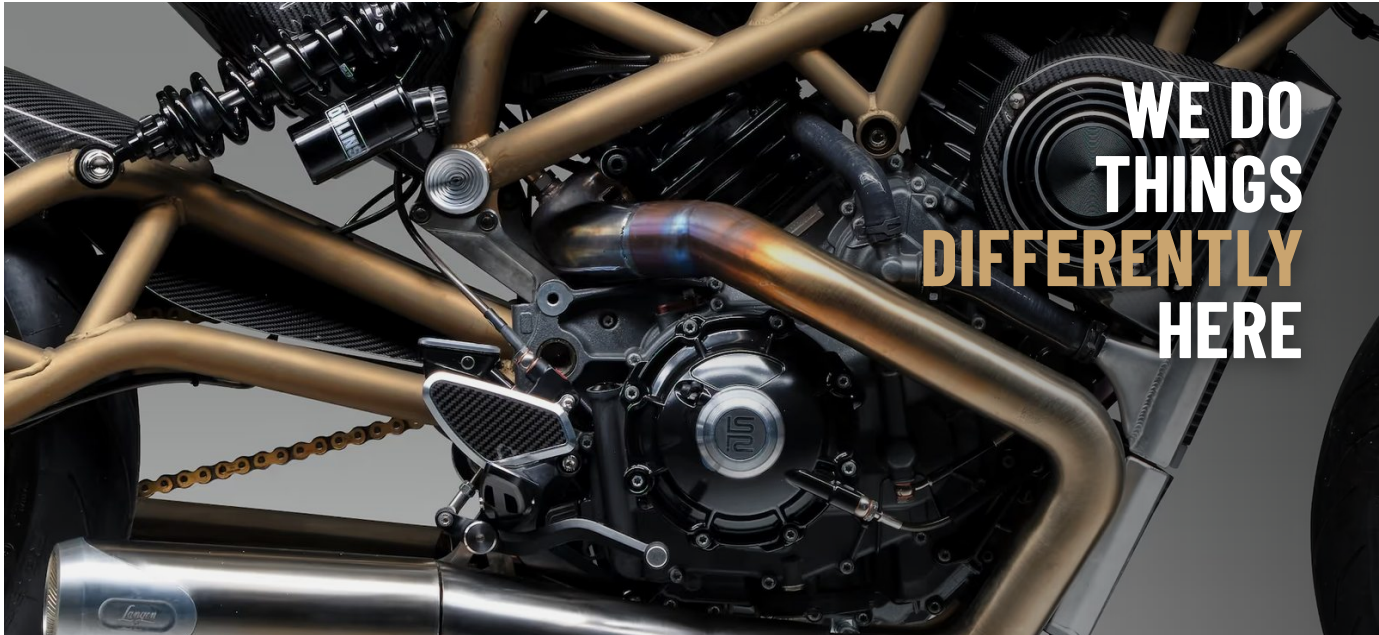
185
HP • KG • BUILDS





Langen LIGHTSPEED

The flagship Langen. Hyper-naked agility, superbike-grade componentry and the torque of a drag racer, wrapped in a classical British silhouette – and built, one at a time, for the person who will ride it.



WE DO
THINGS
DIFFERENTLY
HERE

Langen Motorcycles was born out of passion to create motorcycles unlike anything else on the road, pushing the boundaries of modern technology and innovation whilst capturing the very essence and emotion of riding a motorcycle. The Lightspeed has been part of that story since day one.

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Each Lightspeed not only has the unique character of a Langen, but also reflects the character of the individual. We believe it is impossible to create a motorcycle to cater for more than one person – so we don't. Every one of the 185 is a brand new commission, designed, engineered and hand-built in house for its owner.

– Christofer 'Langen' Ratcliffe, Founder

185
COMMISSIONED BUILDS

185 HP

1,190cc Rotax V-twin, Langen electronics

1000 BHP/T

Supercar power-to-weight on the road

185 KG

Dry. Full carbon fibre, forged wheels

138 NM

Torque that arrives early and stays

EXPLORE
THE LIGHTSPEED
EVERY LANGEN IS TIMELESS



AUTOMOTIVE ART. BUILT TO BE RIDDEN.

STOPS PEOPLE IN THEIR TRACKS.

Its classical silhouette and purposeful stance are what people notice first. Up close, they discover the meticulous engineering, handcrafted details and precision that define the Lightspeed – carbon fibre laid by hand, a chassis cut and welded in our own workshop, billet parts machined minutes from the factory door.

Langen
LIGHTSPEED



RACING HEART

1,190cc liquid-cooled 72° V-twin. Developed by Rotax, manufactured by Buell, fitted with Langen's own EFI and electronics. 185 hp at 10,600 rpm, 138 Nm of torque.



FEATHERWEIGHT CHAMPION

Full carbon fibre V-Weave bodywork and Langen forged, CNC-machined aluminium wheels bring the Lightspeed in at just 185 kg dry – over 1000 bhp per tonne.



BRAINS & BEAUTY

Traction, wheelie, launch and cruise control, all developed in house. CNC-machined dash with TFT touchscreen and switch-cube interface. Two-channel cornering ABS.

KEEP IN CONTACT

Öhlins FGRT 30148mm USD forks with a cartridge kit drawn from national superbike championships. Twin Öhlins STX piggyback shocks at the rear. Compression and rebound damping adjustable at both ends.

185

LIMITED EDITION

Only 185 Lightspeed motorcycles will ever be commissioned – each built to order, numbered, and tailored to its owner.



VOICE OF THUNDER

Langen exhaust with machined, engraved end cap. Full titanium race system available as an owner option.



SHOW-STOPPER

Twin 320mm floating discs with Langen/HEL Performance four-piston radial calipers up front; 265mm disc and two-piston caliper at the rear.



Langen
LIGHTSPEED



FRONT

HALO, CARBON, BILLET.

LED halo headlamp set in a machined bezel and carbon nacelle. Öhlins 48mm forks in CNC-machined yokes. Every fastener you can see is one we chose.



REAR

SEEN MORE OFTEN THAN THE FRONT.

Twin tail lamps in a machined housing, hand-laid carbon tail and the Langen dash, all turned from solid. The view most riders will get of a Lightspeed.

SPECIFICATION STUDIES

YOUR COLOUR. YOUR CHARACTER.

No two Lightspeeds need look alike. Bodywork, frame, wheels, seat and every anodised or machined detail can be specified individually – and where the palette isn't enough, our design team will develop a finish with you.

- Bodywork: paint, exposed carbon or a combination
- Frame and swingarm colour
- Wheel finish, forged or wire-spoked
- Seat material and stitching
- Machined and anodised hardware

Studies shown are design visualisations prepared for owners during specification. Final finishes are agreed in person at Langen.

01 COBALT OVER BLACK FRAME



02 RACING GREEN FADE



03 IMPERIAL PURPLE, BRONZE FRAME



04 SATIN SILVER, WIRE-SPOKED WHEELS



05 HERITAGE GREEN, BRONZE CHASSIS



185 of one.

Every Lightspeed leaves Wigan as a specification that exists nowhere else, recorded against its build number.

YOUR COMMISSION

BUILT TO ORDER. BUILT FOR YOU.

A Lightspeed is not bought from stock. It is commissioned – in person, with the people who will design, engineer and build it. The journey runs from allocation to handover, and it is as much a part of owning a Langen as the riding.

01 ALLOCATION

A refundable £1,000 deposit secures one of 185 numbered build slots. Your build number stays with the motorcycle for life.

03 FITTING

Ergonomics come first. Seat height, ride height, suspension set-up and geometry are tailored to you and how you ride.

05 THE BUILD

Hand-built in house by a small team of designers, engineers, builders and riders, with components made or machined locally wherever possible.

02 CONSULTATION

You are invited to Langen in Wigan to meet the team and walk the workshop where your motorcycle will be built.

04 SPECIFICATION

With our designers and engineers you settle paint, finishes, materials and hard-part options until it is unmistakably yours.

06 HANDOVER

Your Lightspeed is presented to you complete, set up to your fitting, and ready to ride.

"We believe that Great Britain should once again be a leader in motorcycle development and manufacture. The design, development and testing process is carried out in house by a bunch of passionate and highly experienced motorcycle designers, engineers, builders and riders."

– Christofer 'Langen' Ratcliffe



PAINT & BODYWORK



WHEELS & MACHINED HARDWARE



ERGONOMICS



EXHAUST & FINISHES

EVERY COMPONENT. YOUR CHOICE.

RIDE

- Seat height and ergonomics
- Suspension set-up and geometry
- Steering character

LOOK

- Bodywork paint and carbon finish
- Frame and wheel colours
- Anodised and machined details

HARD PARTS

- Full titanium race exhaust
- Lightweight wire-spoked wheels
- Pillion seat, screens and luggage

OWNERSHIP

THE RELATIONSHIP DOESN'T END **AT HANDOVER.**

A Langen is built by a small team you will know by name. That relationship – direct, without a dealer in between – is what owners of the rarest machines value most, and it is how we work.

ONE OF 185

Production is capped at 185 worldwide. Each build is numbered and its specification recorded – your Lightspeed's provenance starts on the day it is commissioned.

OWNERS' PORTAL

A dedicated online portal for Langen owners, with documentation and updates for your motorcycle.

WORLDWIDE

UK-specification builds deliver first. Fully homologated versions for the USA, Europe, Japan, the Middle East and Australasia follow.

DIRECT TO THE FACTORY

Owners deal directly with Langen. The engineers who built your motorcycle are the ones who look after it.

FIRST REFUSAL

Future ultra-limited Langen editions are offered to Lightspeed owners and build-slot holders before public launch.

MADE TO LAST

Steel space frame, carbon bodywork and billet hardware, built to be ridden hard and kept for decades.

185
LIMITED EDITION

RESERVE YOUR BUILD

From £37,000 plus taxes. A numbered build slot is reserved with a £1,000 deposit, refundable until your specification is agreed, the sales agreement is signed and manufacturing begins. Reserve online or contact us to discuss your market.

DESIGNED TO BE RIDDEN

ANY ROAD. **ANY DISTANCE.**

Hyper-naked performance with the comfort to go anywhere: a 790mm seat, 19-litre tank, cruise control and touring options for owners who intend to use every one of their 185 horsepower.

TECH SPECS

DISPLACEMENT
1,190cc

ENGINE
Liquid-cooled, transverse 72° V-twin.
Developed by Rotax, manufactured by Buell.
Langen Technology electronics

FUEL SUPPLY
Langen EFI with two-port injectors. Twin
Bosch electronic 60mm throttle bodies

MAX POWER
185 hp at 10,600 rpm (crank)

MAX TORQUE
138 Nm at 8,200 rpm (crank)

POWER TO WEIGHT RATIO
Over 1000 bhp / tonne

COMPRESSION RATIO
13.4:1

FUEL CAPACITY
19 litres

WEIGHT
185 kg dry

BORE X STROKE
106 x 67.5 mm

GEARBOX
6-speed

CLUTCH
Hydraulically actuated wet slipper clutch

FINAL DRIVE
Renthal 520 chain

CHASSIS
High tensile steel tubular space frame

FRONT SUSPENSION
Öhlins FGRT 301 USD 48 mm forks. Split-leg
compression and rebound damping.
Superbike-championship cartridge kit. 120
mm travel

REAR SUSPENSION
Twin Öhlins 36 mm STX piggyback shocks.
Adjustable compression and rebound
damping. 120 mm travel

MAX POWER
185 hp

FRONT BRAKES
Twin 320 mm EBC floating discs. Langen /
HEL Performance 4-piston radial calipers

REAR BRAKE
265 mm EBC disc. Langen / HEL
Performance 2-piston radial caliper

ABS
Continental 2-channel with cornering
function and rear-wheel lift detection

RIDER AIDS
Traction, wheelie, launch and cruise control
– developed in house

WHEELS
Langen forged, CNC-machined aluminium.
3.5 x 17" front, 8.0 x 17" rear

TYRES
Pirelli Diablo Rosso III. 120/ 70-17 front,
240/45-17 rear

DASH
CNC-machined. TFT touchscreen with
switch-cube interface

BODYWORK & SEAT
Full carbon fibre V-Weave. 790 mm seat
height

Langen
LIGHTSPEED
HAND-BUILT IN ENGLAND



LS12
LIGHTSPEED

185 RESERVE
LIMITED EDITION YOUR
BUILD

From £37,000 plus taxes - £1,000 refundable deposit

Langen
MOTOR CYCLES

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