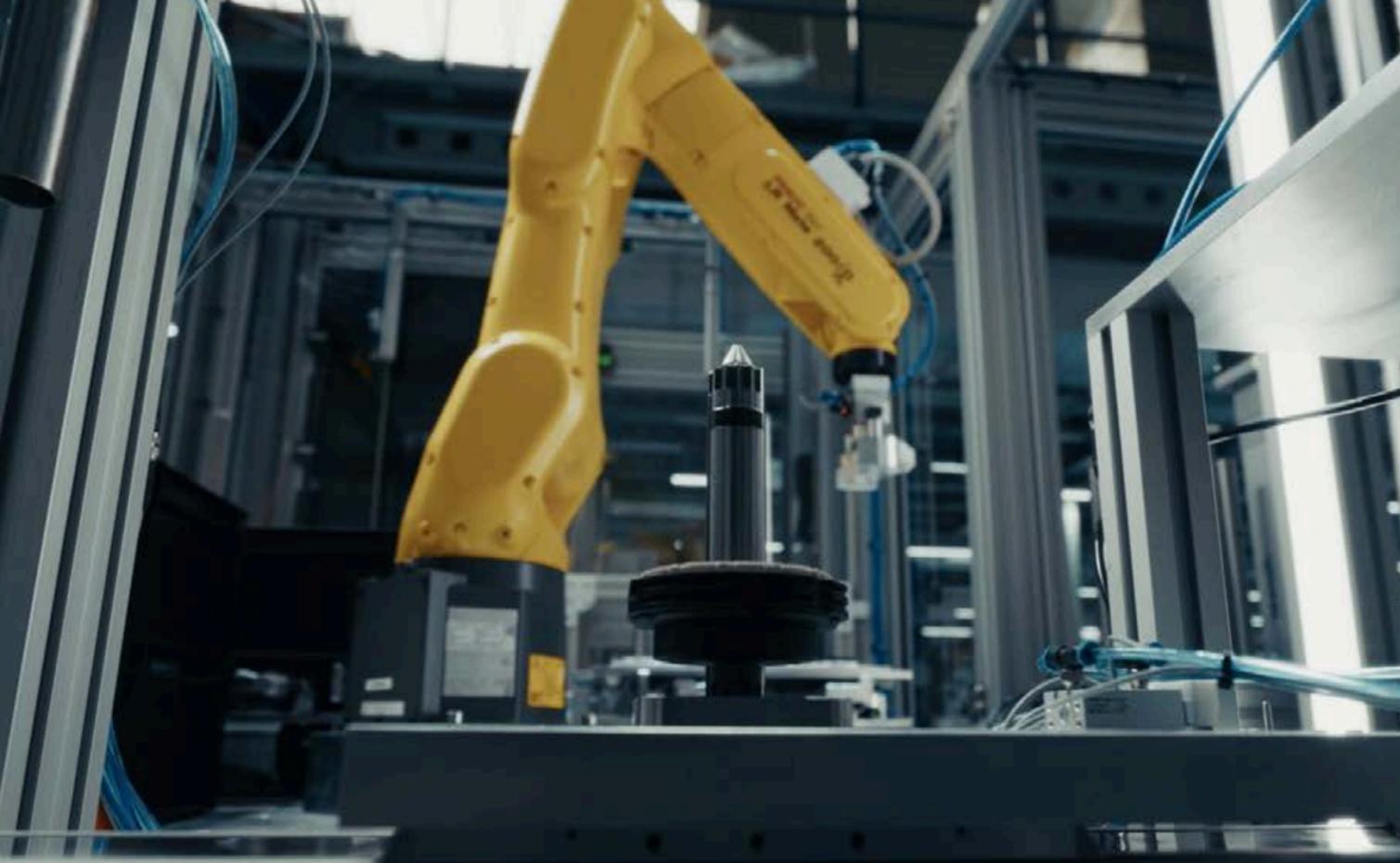


AN ADVANTAGE BORN FROM REAL ENGINEERING.

TECHNOLOGICAL MASTERY





THE UNFAIR ADVANTAGE

OUR LEAD ISN'T THE RESULT OF COINCIDENCE

The **HPR technology** isn't a marketing concept, it's a proprietary TQ development, protected by our patent and unique within the industry.

This design enables something that other systems can hardly achieve from a technical standpoint: **an extremely compact, lightweight, and quiet drive unit that is also exceptionally efficient.**

The harmonic drive principle reduces wear, minimizes noise, and delivers an exceptionally natural riding experience

Our lead isn't the result of coincidence, but years of research and a technology that only TQ can build in this form.



THE UNFAIR ADVANTAGE

OUR LEAD ISN'T THE RESULT OF COINCIDENCE



TQ HPR TECHNOLOGY

- + EXTREMELY COMPACT AND LIGHTWEIGHT DESIGN
- + HIGH EFFICIENCY WITH MINIMAL ENERGY LOSS
- + ALMOST SILENT OPERATION
- + SMOOTHER AND MORE CONSISTENT POWER TRANSFER
- MORE COMPLEX MANUFACTURING PROCESS



STANDARD E-BIKE

- SIGNIFICANTLY LARGER AND HEAVIER
- MORE MOVING PARTS → LOWER EFFICIENCY
- GEAR MESHING CREATES VIBRATIONS AND NOISE
- LESS SMOOTH POWER DELIVERY
- HIGHER WEAR
- + LOWER MANUFACTURING COST



A YEAR THAT SET NEW STANDARDS

2025 WAS A MILESTONE YEAR FOR TQ



2025 TWO MOTORS

MID POWER TAKEN TO THE NEXT LEVEL. ROAD CYCLING REDEFINED.
BOTH WIDELY ACCLAIMED



TQ-HPR60



TQ-HPR40

TQ-HPR40

THE ROAD REVOLUTION

1,1 KG

+40 NM

+200 WATTS



INTRODUCING THE TQ HPR40

THE ROAD REVOLUTION

A **completely newly developed e-system** - uncompromisingly made for the road bike experience. Our drive system **sets new standards** in terms of integration: the motor, battery, remote and display are **integrated more invisibly** than any other system on the market. Minimalist in appearance, maximum naturally and efficient in riding feel.

And we've taken it even further:

- Adaptive software that adjusts to your pedaling.
- Full integration for gears, lights, GPS etc. - powered by a single battery.
- Rides and feels like a classic road bike - but further, longer, higher



SCOTT FASTLANE



CANYON ENDURACE



RIDLEY E-NOAH



RIDLEY E-ASTR



THE TQ-HPR40 IS MADE FOR RIDERS WHO TRULY LOVE ROAD CYCLING.

As a **first mover**, we created a system that **preserves the look, geometry, and ride feel of a true road bike** while adding exactly what modern riders value.

What started with skepticism has turned into conviction: subtle support, full integration, and a pure riding experience.

The HPR40 doesn't change the road bike.

It restores freedom, balances differences in performance, and **enables more shared moments** on the bike for a noticeable boost in quality of life.

WHO IS IT MADE FOR?

- Riders who enjoy cycling and aren't focused purely on performance
- Mixed groups who want to ride together without anyone getting dropped on the climbs
- Beginners with limited base fitness
- Riders who want to tackle routes beyond their current fitness level
- Performance-oriented cyclists who want to use the system as a targeted training tool



TQ-HPR40 X MTB

ENGINEERING THE FUTURE OF EMTB



TQ-HPR40 X MTB

Originally developed for road and gravel bikes, the TQ-HPR40 is now making its way into the mountain bike world.

Orbea recognized the system's **exceptional potential for deep integration** and has incorporated the motor into the new Rallon RS.

Together, we developed an interface that allows the battery not only to power all electronic components, but also to connect them. The motor, suspension, drivetrain, and dropper post share data with each other, enabling the bike to **automatically recognize the current riding situation**.

The result is a **fully connected 18 kg e-enduro** that intelligently adapts to different riding conditions delivering an XC-like feel on the climbs and uncompromising downhill performance on the descents.



ORBEA RALLON RS





THE NEW BENCHMARK IN THE MID-POWER SEGMENT

TQ-HPR60



INTRODUCING THE TQ HPR60

THE BENCHMARK IN THE MID-POWER SEGMENT

TQ drive systems power **some of the most highly acclaimed e-MTBs** on the market. Bikes that represent very different riding styles yet share one thing in common: they make full use of the **potential of the HPR platform.**

The fact that many editors, testers, and content creators choose to ride a TQ-powered bike themselves is a special sign of trust for us.

People who compare systems every day make their choices very deliberately. For us, that kind of feedback matters most: **technology that doesn't just impress on paper, but proves itself in real-world riding.**



TREK FUEL+



The **Trek Fuel+** combines modern light e-MTB performance with a modular concept that can be tailored to your riding style. Thanks to interchangeable rocker links, the rear suspension can be configured for EX, MX, or LX setups, allowing the bike to be tuned to different riding preferences



YETI MTE



Heritage meets modern innovation. The Yeti MTe brings the experience of numerous World Cup victories to its Sixfinity rear suspension platform. In 2025, it impressed in numerous tests thanks to its outstanding ride performance.



PROPAIN SRESH SL



Pure performance, no shortcuts. The Propain Sresh SL stands for uncompromising riding fun and maximum agility in the light e-MTB segment. In 2025 comparison tests, it received widespread praise for its playful handling and its exceptionally well-rounded overall package.

HPR60. PRECISION EVOLVED.

The HPR50 set new standards – the HPR60 takes them to a new level.

In the same space, it delivers **even more torque and power**. At the same time, we have significantly **improved efficiency**, further reduced noise levels, and optimized cooling, ensuring that the motor consistently performs at its best even under continuous operation.

Everything that made the HPR50 revolutionary – but more of it.

- +10 Nm of torque – resulting in a 20% increase in power
- +50 W motor power – resulting in a 17% increase
- Improved cooling concept for higher thermal stability
- Increased efficiency
- Reduced noise emissions for even quieter operation
- High-resolution color display with extended functions





AWARDS

YOUR FEEDBACK DRIVES US

If I hadn't told you it's an e-bike, you probably would have never guessed. Riding downhill was absolutely fantastic, and it definitely feels like you're on a regular mountain bike, not a heavy full-power e-bike. The bike is super playful, very easy to corner, incredibly quiet—just awesome!

★★★★★
REMY METALLER
MTB INFLUENCER

THE TQ-HPR40 is nearly silent in his operation and provide a smooth and natural feeling of assistance rather than having the feeling of the afterburners kicking in.

★★★★★
ALEX PATON
GLOBAL CYCLING NETWORK

As a complete package, the TQ HPR 60 took the cake for us. The large integrated battery, the small form factor, its impressive efficiency and the relative silence both up and down were much appreciated.

★★★★★
DREW RHODE
THE LOAM WOLF



SAZ SUPPLIER RANKING:

SAZ BIKE PROLOG PREISTRÄGER E-Antriebe

RANKING-OVERALL

Lieferant	Note 2025	Vorjahr
1. Bosch	1,68	1,73
2. Shimano	2,01	1,94
3. TQ	2,12	2,39
4. Giant Sync Drive	2,27	2,73
5. Pinion	2,55	2,56
6. Brose	2,76	2,95
7. Fazua	2,79	2,97
8. Panasonic	2,81	2,94
9. Mahle	2,95	3,19
10.		
11.		

TQ holds its ground

TQ is included in the SAZbike ranking for the third time. After narrowly missing the podium at the premiere in 2023 finishing fourth by just 0.01 points the Inning-based company has now secured third place on the podium for the second year in a row. With a score of 2.12, it achieved its best result so far. While TQ had only one very strong category last year, this time it had four!

PRODUCTQUALITY

Lieferant	Note 2025	Vorjahr
1. Bosch	1,54	1,55
2. TQ	1,81	1,93
3. Shimano	1,93	1,80
4. Pinion	2,12	2,15
5. Yamaha	2,35	2,17
6. Brose	2,40	2,90
7. Panasonic	2,45	2,57
8. Giant Sync Drive	2,51	2,80
9. Bafang	2,66	2,97
10. Mahle	2,69	2,73
11. Fazua	2,84	3,22
Gesamtdurchschnitt	2,30	2,50

SOFTWARE

Hersteller	Note 2025	Vorjahr
1. Bosch	1,55	1,51
2. Shimano	2,16	2,03
2. TQ	2,16	2,34
4. Giant Sync Drive	2,52	3,09
5. Pinion	2,56	2,56
6. Brose	2,67	3,05
7. Fazua	2,74	2,81
8. Mahle	2,78	3,20
9. Panasonic	2,98	2,95
10. Bafang	3,21	3,63
11. Yamaha	3,80	3,69
Gesamtdurchschnitt	2,65	2,88

BATTERIES

Hersteller	Note 2025	Vorjahr
1. Bosch	1,48	1,55
2. TQ	1,88	2,00
3. Shimano	1,99	1,94
4. Pinion	2,19	2,26
5. Yamaha	2,22	2,11
6. Giant Sync Drive	2,35	2,73
7. Brose	2,42	2,80
7. Panasonic	2,42	2,63
9. Mahle	2,61	2,80
10. Fazua	2,75	3,08
11. Bafang	2,86	2,88
Gesamtdurchschnitt	2,29	2,49

MAINTENANCE EFFORT

Hersteller	Note 2025	Vorjahr
1. Bosch	1,69	1,70
2. TQ	1,86	2,27
3. Shimano	1,88	1,77
4. Yamaha	2,10	2,23
5. Giant Sync Drive	2,13	2,43
6. Pinion	2,15	2,22
7. Panasonic	2,23	2,45
8. Bafang	2,50	2,52
9. Fazua	2,72	2,85
10. Mahle	2,87	2,55
11. Brose	2,96	2,67
Gesamtdurchschnitt	2,28	2,39

SAZ BIKE PROLOG PREISTRÄGER E-Antriebe

PINBIKE SURVEY:

Which would be your ideal eMTB motor model?

<input type="radio"/> Bosch CX Gen 5 (100 Nm)	23%	1800
<input type="radio"/> Shimano EP801 (85 Nm)		228
<input type="radio"/> Avinox (105-120 Nm)	27%	2132
<input type="radio"/> Specialized 3.1 (101-111 Nm)		342
<input type="radio"/> SRAM Powertrain (90 Nm)		62
<input type="radio"/> Yamaha / Giant SyncDrive Pro 3 (90 Nm)		68
<input type="radio"/> Mahle M40 (105Nm)		86
<input type="radio"/> Maxon Air S (90 Nm)		217
<input type="radio"/> Bosch SX (60 Nm)		289
<input checked="" type="radio"/> TQ HPR 40/50/60	18%	1260
<input type="radio"/> Fazua Ride 60 (60 Nm)		240
<input type="radio"/> Pinion MGU (85 Nm equivalent)		989

TRUSTED BY

WORLD LEADING BRANDS

TREK
WATERLOO, WISCONSIN | SINCE 1976

CANYON

ROSE

SCOTT

YETI
CYCLES

ORBEA

BMC

PROPAIN

NORCO
BICYCLES

ROTWILD

RIDLEY

PINARELLO

MONDRAKER

STEVENS
BIKES

SIMPLON

Wilier
TRIESTINA

megamo

BERGAMONT

UNNO

FANTIC

WHO IS TQ?

TECHNOLOGY, PRECISION AND PASSION
THE STORY BEHIND TQ





THANK YOU FOR BEING PART OF
THIS JOURNEY

TQ-EBIKE.COM

