

TVS Motor Company Unveils The Next Gen TVS RT-XD4 Engine Platform: Scripts The Future

Category: Business

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- The first in-house, designed, developed and engineered, performance-engine.
- New engine philosophy – built on Racing Throttle Response, Precision and an All-Range-Torque versatility.
- The **TVS RT-XD4 300** will be first engine on the new platform.

[TVS Motor Company](#) (TVSM) – a leading global automaker operating in the two and three-wheeler segment – unveiled its next-gen **TVS RT-XD4** engine platform on Day 1 of TVS MotoSoul

4.0. The **TVS RT-XD4** is a new, transformative innovation that takes [inspiration](#) from the company's racing heritage over decades. The platform [delivers thrilling performance](#), unmatched refinement and precision, for a very comfortable ride.



From L to R: Bernhard Heiming, CTO, TVS Motor Company; Vimal Sumbly, Head of [Business](#) – Premium, TVS Motor Company; and R. Babu, SVP, R&D, [TVS Motor Company](#)

Announcing the new engine platform, **Sudarshan Venu, [Managing Director](#)**, TVS Motor Company, said, “The TVS RT-XD4 is a major milestone, the result of our focus on creating unique, compelling, TVS-kind of riding experience. Conceptualised, designed and developed in-house, at our R&D Centre in Hosur, the TVS RT-XD4 is a demonstration of our engineering and [research](#) capability. Over the last several years, TVSM has been [setting benchmarks in riding excellence](#), made possible by decades of exposure to the race track, extensive user insights, ahead-of-the-curve investments, and robust tech and digital capability. We will continue to bring about [mobility](#)

[solutions](#) that can transform the quality of life of people across the world.

The **TVS RT-XD4** engine platform delivers racing thrill via 4 Dual [Technologies](#):

- **Dual Overhead Cams with downdraft port** that delivers high revs and [superior peak performance](#)
- **Dual oil pump with split chamber crankcase** that delivers optimum lubrication and all-range torque.
- **Dual cooling jacket cylinder head with water jacket** on top and oil jacket below that further increases cooling, to increase performance output.
- **Dual breather system** that effectively prevents oil contamination and reduces oil consumption, for consistent performance over long duration.

The [engine](#) comes with other features for refined performance and rider comfort:

1. Plasma spray-coating
2. Superior thermal/heat management
3. High inertia shell bearing crankshaft
4. Helical gear driven balancer system

This new-gen platform delivers high efficiency, while supporting ethanol-blended fuels, reduced emissions, and enhanced reliability.

Key Features of the TVS RT-XD4 300 Engine: the first engine on the new platform.

- **Displacement:** 299.1 cc, single-cylinder, forward-inclined engine

- **Power Output:** 35 PS @ 9,000 rpm, with 28.5 Nm torque @ 7,000 rpm
- **Cooling System:** Liquid-cooled with dual cooling (water and oil jackets)
- **6 Speed gear box**
- **Ride-by-wire** throttle system
- **Assist and Slipper clutch**

Day 1 of TVS MotoSoul 4.0: A [day of unique experiences](#), adventure and Records.

Day 1 of TVS MotoSoul 4.0 was a thrilling showcase of creativity, community, camaraderie and a [celebration of engineering excellence](#). Custom motorcycle builds took center stage, with three extraordinary creations based on the TVS Apache RTR 310 and TVS RONIN, crafted in collaboration with Smoked Garage (Indonesia) and [TVS Motor](#) Factory Team (India). Dirt Track Races, Stunt Competitions, Obstacle Races, Slow Bike Races and Flat Track Training sessions kept the riders engrossed. The creatively inclined, gravitated more towards the center [stage to see artist performances](#), moto-art booths, caricatures and tattoo art, push-up competitions, game rooms and musical performances.

Vimal Sumbly, Head [Business](#) – Premium, TVS Motor Company said, *“TVS MotoSoul 4.0 is a celebration of everything we stand for, as a premium motorcycle brand – creativity, innovation, and the rider spirit. Aside of our revolutionary performance engine platform that we unveiled, this [year’s event also marks](#) the assimilation of different cultures, biker communities and varied art forms. The showcase of custom motorcycles from some of the best builders in the industry, is a personal favourite. With captivating activities, thrilling racing formats, and electrifying performances, MotoSoul 4.0 [sets the standard](#) for*

motorcycling events.

Adding to the excitement, TVS Motosoul 4.0 [celebrated](#) a record-breaking 6,300-kilometer ride on the Golden Quadrilateral, atop the TVS NTORQ. Two accomplished riders – **Syed Asif Ali and Shamin Khan** – now have recognition from the Asia [Book](#) of Records for achieving the feat.

The day was packed with dynamic experiences, including panel discussions, freestyle acts, interactive zones, and electrifying performances by Kalamkaar and DJs Akthar & Clement, setting the tone for the [festival](#).

About [TVS Motor Company](#)

TVS Motor Company (BSE:532343 and NSE: TVSMOTOR) is a reputed two and three-wheeler manufacturer globally, championing progress through sustainable mobility with four state-of-the-art manufacturing facilities located in [India](#) and Indonesia. Rooted in our 100-year legacy of trust, value, and passion for customers, it takes pride in making [internationally accepted products of the highest quality through innovative](#) and sustainable processes. [TVS Motor](#) is the only two-wheeler company to have won the prestigious Deming Prize. Our [products lead](#) in their respective categories in the J.D. Power IQS and APEAL surveys. We have been ranked No. 1 Company in the J.D. Power Customer Service Satisfaction Survey for four [consecutive years](#). Our group company Norton Motorcycles, based in the United Kingdom, is one of the most emotive motorcycle brands in the [world](#). Our subsidiaries in the personal e-mobility space, Swiss E-Mobility Group (SEMG) and EGO Movement have a [leading position in the e-bike market](#) in Switzerland. TVS Motor Company endeavours to deliver the most superior customer experience across 80 [countries in which we operate](#).

For more information, please visit www.tvsmotor.com.

