

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.

