

# Escorts unveils automated tractor made with foreign collaboration

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Engineering conglomerate Escorts on Thursday announced the launch of its automated concept [tractor](#) that is equipped to use next generation digital vehicle [technology](#) for precision-based farming.

An Escorts statement here said this is the first offering under its Automated Farming Solutions programme and it has been developed in collaboration with seven major [technology](#) companies - Microsoft, Reliance Jio, Trimble, Samvardhana Motherson Group, Wabco, [Bosch](#) and [AVL](#).

"The partnerships and relationships will enable development of a range of farm machines with electric transmissions, autonomous applications, remote vehicle management, data-based soil and crop management, and sensor-based guided farm applications," it said.

According to Escorts officials at the launch event here, the company will be ready to launch the autonomous [tractor](#) at commercial level in around 18-20 months.

The statement said that in view of the need of Indian agriculture for precision based agro solutions to maximise output and improved [farmer](#) income, Escorts has entered into various collaborations.

"Escorts has collaborated with [AVL](#) for electric driveline technology, with [Trimble](#) for sensors, controls, water level management system and automated e-steering, with [Samvardhana Motherson Group](#) for Smart Interface Cabins and Care Plus - a two-way voice interface for [real time service](#)."

On the [automated farming solutions](#) project, the company has also collaborated "with [WABCO](#) for vehicle controls and automation technology, with [Microsoft](#) for its Cloud and AI (artificial intelligence) technology, [BOSCH](#) for future emission readiness and

with [Reliance Jio](#) for enhancing [farm machinery life cycle](#) with networked platform providing top-notch service and genuine spare parts across the country," it said.

Commenting on the development, [Escorts Chairman](#) Nikhil Nanda, who was elevated to the post last month, said in a statement: "Last year, we launched world's first electric compact [tractor](#) concept and this year we have pioneered [autonomous farming solution](#) in association with seven strategic [technology](#) tie-ups, which will transform agriculture practices for better returns to farmers."

The statement said that Escorts' platform of shared services and [agricultural solutions](#) named [Escorts Crop Solutions](#) will look to offer end-to-end, start-of-the-art [equipment](#) for paddy farming under pay-per-use rental model.

"Traxi is a service platform to aggregate farm [equipment](#) owners to rent out their [equipment](#) to small and marginal farmers. Smart Parts will offer genuine parts and skilled service at an affordable price.

"Digitrac as a front-end [farmer](#) interface for inputs and customised information and Farm Power will aim to provide advanced implements and equipments for efficient and productive farming," it said.

At the launch event, Escorts also showcased their [tie-up technology](#) for high-end cranes developed by its new joint venture with [Tadano](#) of Japan, as well as its high-end [locomotive brake electronic solutions](#).

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