

Everything you need to boost your productivity

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"Our development efforts for the Terex RT 90 crane revolved around the needs of our customers" explains **Dr. Suresh Natarajan**, Director Product Management Rough Terrain Cranes at Terex Cranes.

"We've **seamlessly integrated** a lot of great features that will **help our customers** be more productive on the job, while reducing transportation costs. Safety, quality, reliability and performance have been key areas that help sustain the residual value of the crane when customers decide it's time to upgrade to a new machine."

PERFORMANCE

47 m main boom offers long reach and three boom modes for competitive performance and productivity. Three boom modes include the unique synchronized boom mode, in addition to strength and stability modes.

COMPACT AND MANEUVERABLE

The RT 90 is cost effective to transport and operate. It has a narrow width of just 3 m and removable counterweight, which allows it to be trailered without weight and width restrictions in most situations. Once on site, it features four steering modes, including two-wheel, four-wheel, crab and independent rear axle steering for easy positioning and extensive versatility.

DEMAG TECH INSIDE

The RT 90 introduces the new IC-1 control system for RTs. Built on the field-proven Demag technology and customized to the needs of rough terrain operators, the system delivers precise and smooth control of swing movements and gives operators access to real-time information for quick diagnostics in the field.

SAFETY FIRST

The crane features a new ergonomic cab design with an 18-degree tilt and an easy to access flat deck for safety, superior usability and comfort.

IC-1 CONTROL SYSTEM

INTUITIVE DESIGN

With graphics placed on the crane setup screen for easy recognition, the IC-1 control system offers fast and intuitive setup with fewer touches required than with competitive control systems. The system automatically monitors crane operations and allows intuitive adjustments to be made quickly and effortlessly from a full-color touchscreen monitor that is easily viewed at all angles and in all ambient light conditions.

PRECISE & SMOOTH CONTROL

IC-1 delivers precise and smooth control of swing movements. Automatic throttle enables crane operators to focus solely on lift operations without the need to control the throttle pedal, while saving fuel at the same time. The system's two-axis electro-proportional joysticks deliver simple control of multiple functions, such as boom up/down and main hoist operation to maintain load height, with a single hand.

CUSTOMIZATION WORKS FOR YOU

Crane movements can be customized and stored to meet special working conditions from high precision for difficult assembly work to high-speed operation, including concrete work. The IC-1 control system stores the last crane configuration, even after shutdown, so the operator can quickly get to work at the start of the next shift.

ADVANCED DIAGNOSTICS

Advanced diagnostics offered by the IC-1 control system provides the ability to diagnose an issue by function, allowing the user to quickly pinpoint and fix the problem for maximum uptime. The monitor displays full-text error codes for quick troubleshooting without the need to refer to decode the problem.

Source: Terex Global GmbH; Terex Cranes