Renalyx
Better Dialysis

A Unit of **Lord's Mark Industries Ltd**

The Future of Dialysis **Redefined**

RXT21
India's Dialysis Machine, Built to Global Standards.



ONE MACHINE, MULTIPLE THERAPIES.
From ICU to Dialysis Unit, Complete Renal Care on One Powerful Platform.

FIRST-IN-SEGMENT OFFERINGS

18-Month Standard Warranty*
A seal of trust and reliability.

Digital Nephrology Platform*
Connected care enables real-time monitoring.

European CE Certification
India's dialysis machine, built to global standards.

SMART | CONNECTED | PERSONALIZED

Limited period offer | Free Trial

Smart Connected Care

Superior Clinical Benefit

ENHANCED USER EXPERIENCE

One-touch setup, intutive interface, and detailed on-screen guidance.

FLEXIBILITY

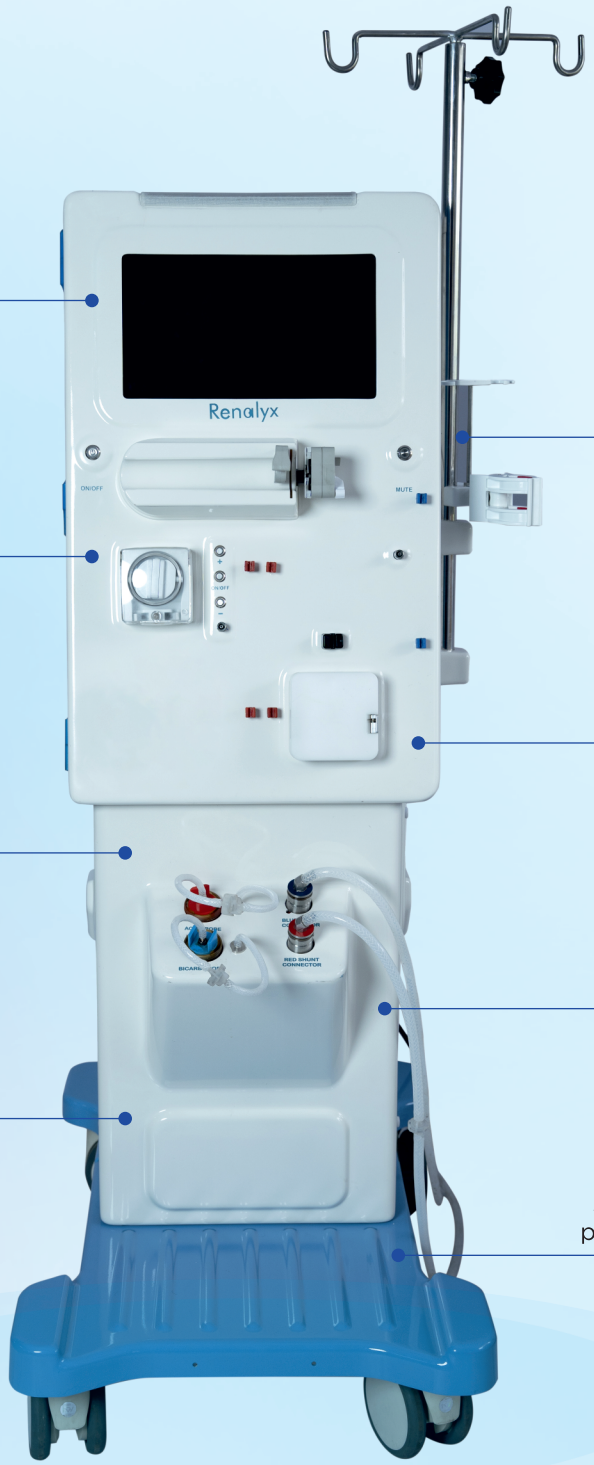
Can be used in conventional HD as well as in SLED operations.

SAFE & DEPENDABLE

ISO 13485, European CE certified for highest assurance

PERSONALIZED TREATMENT

Precise adjustments of prescription parameters like Kt/V. HD / SLED mode, Sodium / UF Profiling.



BLUETOOTH & WiFi CONNECTIVITY

Bluetooth connectivity for NIBP & SpO2 monitoring, WiFi connectivity to Digital Nephrology Platform.

SMART CONNECTIVITY

Seamless connectivity to Digital Nephrology Platform enables real-time clinical monitoring, integration across Platforms.

INDIGENOUS SOLUTION

Indigenously developed in India, perfected to meet world-class standards.

EASE OF MAINTENANCE & RELIABILITY

Self-diagnostics reduces down time. Automatic alerts for consumables and performance deviation ensure reliability.

Digital Nephrology Platform

Digitally Empowered Care

The Renalyx DNP connects every element of renal care from dialysis machines to patient EMRs through a secure, cloud-based ecosystem. It empowers hospitals, nephrologists, and care networks with data-driven insights, continuous monitoring, and operational automation.

Key Highlights:

Cloud-Connected Platform:
Unified access for dialysis centers, IoT devices, and clinicians.

AI-Based Clinical System:
Tracks CKD progression, predicts risks, and supports early interventions.

Quality & Safety Cockpit:
Ensures treatment adequacy, infection control, and water quality compliance.

Renal Command Centre:
Centralized dashboards for occupancy, alerts, and cost efficiency.

Home Dialysis Orchestrator:
Manages enrollment, logistics, and patient monitoring remotely.

Seamless Integration:
Fits single or multi-center networks with modular, scalable architecture.



Designed for every stakeholder - patients, doctors, providers, and administrators - to make end to end renal care possible, smarter, connected, and personalized.

RXT 21

Technical Specifications

General

- Dimensions (mm) : 543 (W) X 892 (D) X 1415 (H)
- Weight : ~80 Kgs
- Power Supply : 230 V AC+/-10%, 50Hz
- Current Consumption : Maximum 8 Amps
- Power Consumption for Dialysis : 0.9 kW
- Power Consumption for Disinfection : 1.8 kW
- Battery : 12V, 7.2 Ah

Dialysate Circuit

- Dialysate temperature range : 35-39°C
- Dialysate conductivity range : 12.5-15 mS/cm
- Dialysate flow : 100-800 ml/min, steps of 50 ml/min
- Ultrafiltration rate : 0-4000 ml/hr.
- Factory default setting : 0-1500 ml/hr. Volumetric control
- Blood Leak Detector : Optical sensor

Extracorporeal Circuit

- Blood pump flow range : 10 ml/min to 400 ml/min
- Arterial pressure display : - 300 to + 500 mmHg
- Venous pressure display : - 200 to + 500 mmHg
- Treatment parameter trend curve & digital display : Yes
- Trans membrane Pressure : - 100 mmHg to +500 mmHg
- Air bubble detector : Ultrasonic Sensor, Detects air bubble > 10 µl
- Heparin pump syringe size : 20, 50 ml Syringe size
- 10 ml syringe holder : Optional
- Infusion Rate : 0 to 20 mL/hr, Bolus volume : 0 to 20 ml

Features

- 13" Touchscreen display
- Sustained Low-efficiency Dialysis (SLED)
- Sequential Dialysis
- Sodium profiling
- Ultrafiltration profiling
- Urea Clearance and Kt/V monitoring
- 20-minute battery backup for extracorporeal circuit functions
- Single needle dialysis
- Endotoxin Filter (ETRF Facility)
- Dry bicarbonate powder cartridge Facility

Rinse and Disinfection

- Water Rinse
- Chemical Disinfection
- Hot Rinse & Citro Thermal Disinfection: 85°C with recirculation

Inlet RO water supply

- Water inlet pressure : 1.5-6.0 bar
- Water inlet temperature : 15-32°C

Optional features

- IoT device integration: Bluetooth enabled **NIBP** and **SpO2** module
- Network and Connectivity: Wireless, Bluetooth, Upgradable software
- Connectivity to Cloud based Digital Nephrology Platform (Can be integrated with existing platforms like HMS, LIMS)

Comprehensive Care Continuum

From screening to treatment
Seamlessly delivered



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