

MEDICAL



RELIABLE BELT SOLUTIONS FOR MEDICAL, LABORATORY & DIAGNOSTIC EQUIPMENT



INDUSTRY LANDSCAPE

IN MEDICAL AND LABORATORY ENVIRONMENTS, BELT SYSTEMS MUST DELIVER PRECISE, LOW-VIBRATION MOTION IN CLEANROOM CONDITIONS. WHETHER IT'S A BLOOD ANALYSIS MACHINE OR A ROBOTIC LAB ARM, BELTS PLAY A KEY ROLE IN CONTROLLING SAMPLE FLOW, DOSING ACCURACY, AND EQUIPMENT SAFETY.

MOVENDIS DESIGNS CLEAN, COMPLIANT, AND RELIABLE BELTS FOR LIFE SCIENCES AND MEDICAL DIAGNOSTICS. OUR SOLUTIONS ARE ENGINEERED FOR QUIET PERFORMANCE, LONG LIFE, AND COMPATIBILITY WITH STERILE AND DUST-SENSITIVE ENVIRONMENTS.

APPLICATIONS AREA



BLOOD ANALYSIS & CENTRIFUGE MACHINES

BELTS MUST OPERATE SILENTLY AND MAINTAIN BALANCE AT HIGH RPM.

->OUR BELTS ARE ANTI-STATIC AND DIMENSIONALLY STABLE.



DIAGNOSTIC CAROUSELS & SAMPLE HANDLERS

IT REQUIRES SMOOTH INDEXING WITHOUT VIBRATION.

->MOVENDIS TIMING AND POLY-V BELTS DELIVER POSITIONAL ACCURACY WITH MINIMAL NOISE.



LIQUID HANDLING & DOSING SYSTEMS

BELTS PROVIDE MOTION CONTROL FOR PIPETTES AND PUMPS.

->HIGH PRECISION AND ZERO SLIP ENSURE ACCURATE VOLUME CONTROL.



SURGICAL TOOL STERILIZERS & AUTO-WASHERS

BELTS DRIVE WASHING ARMS AND CYCLES UNDER HIGH-TEMPERATURE STEAM.

->WE OFFER BELTS WITH HEAT AND DETERGENT RESISTANCE FOR HYGIENIC CYCLES.



TECHNICAL HIGHLIGHTS



TYPICAL FAILURE MODES SOLVED

- VIBRATION IN HIGH-SPEED ANALYZERS → SMOOTH, LAYERED BELT PROFILES
- BELT WEAR FROM DETERGENTS → CHEMICALLY RESISTANT MATERIALS
- DRIFT IN MICRO-DOSEING → ULTRA-PRECISE, STABLE BELT TRACKING
- ELECTROSTATIC RISKS → ANTISTATIC SURFACES AND GROUNDABLE CORD



BELT TECHNOLOGIES OFFERED

- TIMING BELTS – FOR ACCURATE SAMPLE TRANSPORT
- FLAT SMOOTH BELTS – FOR CLEAN CONVEYOR ZONES
- RIBBED BELTS – FOR COMPACT ROTARY SYSTEMS
- HEAT/STEAM-RESISTANT OPTIONS – FOR STERILIZATION UNITS



MOVENDIS SUPPORT FOR OEMs & FACILITIES

- TAILORED DEVELOPMENT UNDER REGULATORY CONSTRAINTS
- COLLABORATION WITH DEVICE AND DIAGNOSTICS MANUFACTURERS
- ENGINEERING FOR HIGH-CYCLE MICRO-MOTION COMPONENTS
- BATCH TRACKING AND TRACEABILITY FOR MEDICAL BELT SUPPLY



SUSTAINABILITY & LIFECYCLE VALUE

- ALL MATERIALS ROHS/REACH COMPLIANT
- STERILIZATION-READY AND LOW-FRICTION OPTIONS AVAILABLE
- CONFORM TO HEALTHCARE MACHINE CERTIFICATION STANDARDS
- QUIET OPERATION ENHANCES LAB AND CLINICAL ENVIRONMENTS



WHY MOVENDIS ?

- TRUSTED BY MEDICAL EQUIPMENT INTEGRATORS
- PRECISION ENGINEERING FOR SENSITIVE TASKS
- QUIET, CLEAN, COMPLIANT
- PERFORMANCE PROVEN IN HEALTHCARE ENVIRONMENTS

SCAN FOR MORE DETAILS



MOVENDIS KEEPS MEDICAL SYSTEMS MOVING — WITH ACCURACY, SAFETY, AND TRUST.

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