

APPLIANCES



ADVANCED BELT SOLUTIONS FOR DOMESTIC & COMMERCIAL APPLIANCES



INDUSTRY LANDSCAPE

THE APPLIANCE SECTOR IS EVOLVING RAPIDLY — DRIVEN BY ENERGY REGULATIONS, USER COMFORT, AND DEMAND FOR COMPACT, QUIET, AND EFFICIENT PRODUCTS. WHETHER IN RESIDENTIAL HOMES, INDUSTRIAL LAUNDRIES, OR COMMERCIAL KITCHENS, BELTS PLAY A CRITICAL ROLE IN ENSURING SMOOTH MOTION, ENERGY SAVINGS, AND LONG-TERM MECHANICAL STABILITY.

FROM THE SMALLEST FAN IN A VENTILATION UNIT TO THE HIGH-SPEED DRUM OF A COMMERCIAL DRYER, MOVENDIS OFFERS BELT SOLUTIONS DESIGNED TO MEET THE FUNCTIONAL, SPATIAL, AND ACOUSTIC CONSTRAINTS OF TODAY'S APPLIANCES — WHILE ENSURING COMPLIANCE WITH EUROPEAN QUALITY AND SUSTAINABILITY STANDARDS.

APPLICATIONS AREA



WASHING MACHINES & DRYERS

BELTS DRIVE DRUMS, FANS, AND INTERNAL MOTORS — OFTEN UNDER HIGH-SPEED, HIGH-HUMIDITY CONDITIONS.

->MOVENDIS BELTS ENSURE QUIET, VIBRATION-FREE MOTION, WITH MINIMAL STRETCH OR RETENSIONING.

->OUR MOLDED STRETCH BELTS ELIMINATE THE NEED FOR TENSIONERS IN COMPACT ASSEMBLIES.



REFRIGERATORS & COOLING UNITS

COMPACT BELTS ARE USED IN FAN SYSTEMS, AIR CIRCULATION MOTORS, OR DEFROST MODULES.

->OUR BELTS MAINTAIN FLEXIBILITY AT SUB-ZERO TEMPERATURES AND RESIST CONDENSATION-RELATED WEAR.



KITCHEN APPLIANCES & SMALL DOMESTIC EQUIPMENT (SDA)

INCLUDING MIXERS, GRINDERS, COFFEE MACHINES, AND SLICERS.

REQUIRES ULTRA-QUIET, SHORT-LENGTH BELTS WITH MINIMAL BACKLASH.

->MOVENDIS DELIVERS CUSTOM BELT PROFILES FOR OEMS NEEDING BRAND-SPECIFIC NOISE AND PERFORMANCE CURVES.



FANS, BLOWERS & VENTILATION UNITS

WHETHER IN HVAC SYSTEMS, KITCHEN HOODS, OR AIR PURIFIERS.

REQUIRES LOW-NOISE BELTS THAT PERFORM AT HIGH SPEEDS WITH MINIMAL BELT FLUTTER.

->MOVENDIS PROVIDES RIBBED V-BELTS AND FLAT BELTS WITH PRECISION GRIP AND EXCEPTIONAL THERMAL STABILITY.



COMMERCIAL & INDUSTRIAL EQUIPMENT

LAUNDROMATS, DISHWASHING LINES, VACUUM SYSTEMS.

LONG DUTY CYCLES, HIGH TORQUE NEEDS, AND CONTINUOUS AMBIENT HEAT.

->OUR HEAVY-DUTY BELTS WITHSTAND HOURS OF CONTINUOUS OPERATION WITHOUT DEFORMATION OR NOISE INCREASE.



TECHNICAL HIGHLIGHTS



TYPICAL FAILURE MODES SOLVED

- CRACKING FROM DRY HEAT → SOLVED WITH HEAT-RESISTANT RUBBER MIXES
- SQUEAKING OR SLIPPAGE UNDER LOAD → SOLVED WITH OPTIMIZED SURFACE TREATMENTS
- PREMATURE ELONGATION → REINFORCED CORD STRUCTURE PREVENTS BELT STRETCHING
- HARMONIC VIBRATION → CUSTOM DAMPING PROFILES REDUCE FREQUENCY NOISE



BELT TECHNOLOGIES OFFERED

- MOLDED ELASTIC BELTS – FOR FIXED-CENTER DRIVES IN WASHERS AND DRYERS
- RIBBED BELT – FOR QUIET, HIGH-SPEED FAN AND MOTOR SYSTEMS
- FLAT BELTS – SMOOTH, LOW-PROFILE OPTIONS FOR SDA AND COMPACT APPLIANCES
- CUSTOM NOTCHED BELTS – DESIGNED FOR SPEED VARIATION OR TORQUE PEAKS



MOVENDIS SUPPORT FOR OEMS & FACILITIES

MOVENDIS SUPPORTS APPLIANCE OEMS WITH:

- COLLABORATIVE DESIGN AND 3D CAD INTEGRATION
- PRE-SERIES TESTING FOR PERFORMANCE AND COMPLIANCE
- SUPPLY CHAIN COORDINATION FOR LARGE-SCALE PRODUCTION
- REGIONAL DELIVERY FOR MANUFACTURING HUBS IN EUROPE AND MENA



SUSTAINABILITY & LIFECYCLE VALUE

- BELTS WITH EXTENDED DURABILITY REDUCE END-USER WASTE
- MOVENDIS FACTORIES OPERATE WITH ISO-CERTIFIED ENERGY EFFICIENCY
- MATERIALS FREE OF HAZARDOUS SUBSTANCES (ROHS-COMPLIANT)
- LIFECYCLE FOOTPRINT MINIMIZED THROUGH LOCAL SUPPLY SOURCING



WHY MOVENDIS ?

- EUROPEAN BELT MANUFACTURING EXPERTISE
- FAST PROTOTYPING AND CO-ENGINEERING
- ACOUSTIC AND ENERGY EFFICIENCY SPECIALISTS
- TRUSTED SUPPLIER FOR APPLIANCE BRANDS AND INTEGRATORS

MOVENDIS DELIVERS PERFORMANCE YOU CAN HEAR — OR NOT. FOR APPLIANCES WHERE SILENCE, PRECISION, AND LONG-TERM RELIABILITY MAKE ALL THE DIFFERENCE.

SCAN FOR MORE DETAILS



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