

AGRICULTURE



EXPERT BELT SOLUTIONS FOR AGRICULTURAL MACHINERY BY MOVENDIS



INDUSTRY LANDSCAPE

MODERN AGRICULTURE IS A HIGH-TECH, HIGH-PRESSURE INDUSTRY. WITH RISING FOOD DEMAND, TIGHTER LABOR AVAILABILITY, AND SHORTER HARVEST WINDOWS, EQUIPMENT MUST OPERATE LONGER, SMARTER, AND MORE EFFICIENTLY THAN EVER. FROM TRACTORS AND MULCHERS TO SPECIALIZED VEGETABLE HARVESTERS, MACHINES REQUIRE BELTS THAT CAN HANDLE MECHANICAL STRESS, ENVIRONMENTAL EXTREMES, AND PERFORMANCE-CRITICAL CYCLES. AT MOVENDIS, WE DELIVER ENGINEERED BELT SOLUTIONS THAT COMBINE DURABILITY, PRECISION, AND FIELD-PROVEN RELIABILITY — ENSURING UPTIME WHEN IT MATTERS MOST.

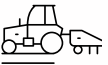
APPLICATIONS AREA



TRACTORS

THE POWERHOUSE OF FARMING OPERATIONS. BELTS DRIVE COOLING FANS, ALTERNATORS, AIR AND COMPRESSORS. MUST RESIST HIGH TENSION, THERMAL CYCLES, AND LONG IDLING HOURS.

->MOVENDIS BELTS OFFER STABLE POWER DELIVERY AND HIGH PULLEY GRIP, MINIMIZING RE-TENSIONING NEEDS.



FIELD CHOPPERS

CHOPPING MAIZE, GRASS, OR LUCERNE REQUIRES SMOOTH AND SHOCK-RESISTANT PERFORMANCE.

->MOVENDIS BELTS HANDLE TORQUE SURGES FROM HEAVY VEGETATION LOADS WITHOUT FRAYING OR ELONGATING.



VEGETABLE & CARROT HARVESTERS

UCROPS LIKE CARROTS, ONIONS, OR LETTUCE DEMAND GENTLE HANDLING.

->ANTI-MARKING SURFACES AND VIBRATION-DAMPING LAYERS PRESERVE CROP QUALITY THROUGH PICKUP, ELEVATION, AND TRANSPORT.



MOWERS

FOCUS ON CLEAN CUTS AND LOW POWER CONSUMPTION.

->WE DELIVER BELTS THAT REDUCE FRICTION DRAG AND EXTEND THE LIFE OF MOWER DECKS AND BLADES.



COMBINE HARVESTERS

TODAY'S COMBINES ARE MULTIFUNCTIONAL, HIGH-CAPACITY SYSTEMS.

BELTS OPERATE IN DUSTY, VIBRATION-HEAVY CONDITIONS WITH LONG DAILY CYCLES.

->OUR RAW EDGE COGGED AND MOLDED V-BELTS RESIST GLAZING AND SLIPPAGE FOR CLEAN THRESHING AND SEPARATION.



MULCHERS

PRECISION-GROUND ENGAGEMENT AND MINIMAL SOIL DISRUPTION ARE KEY.

->OUR BELTS ENSURE CONSISTENT BLADE RPM EVEN UNDER CHANGING TOPOGRAPHY AND CROP DENSITY.



FORAGE WAGONS

BELTS MUST RESIST MISALIGNMENT, MOISTURE EXPOSURE, AND UNEVEN LOADING.

->MOVENDIS DESIGNS HANDLE LATERAL STRESSES AND SUDDEN LOADS WITH REINFORCED STABILITY CORDS.



TECHNICAL HIGHLIGHTS



TYPICAL FAILURE MODES SOLVED

- GLAZING OR HARDENING → SOLVED BY ANTI-SLIP RUBBER BLENDS AND HEAT SHIELDS
- SLIPPAGE IN WET/DUSTY CONDITIONS → SOLVED BY FRICTION-OPTIMIZED PROFILES
- CRACKING FROM COLD STARTS → SOLVED WITH HIGH-FLEX, LOW-TEMP COMPOUNDS
- MISALIGNMENT DAMAGE → SOLVED WITH SPECIFIC COGGED SHAPE PROFILE, ANGLE CUT (NOT GROUND) PROFILES AND FLEX-BALANCED CORES
- SHOCK OVERLOADS → SOLVED WITH EMBEDDED HIGH-TENSILE CORDS AND DAMPING LAYERS



BELT TECHNOLOGIES OFFERED

- EPDM RAW EDGE COGGED V-BELTS AND VARIABLE SPEED BELTS- COMPACT, FLEXIBLE, EFFICIENT FOR FAN/PUMP DRIVES
- DOUBLE V-BELTS - FOR DUAL-DIRECTION SERPENTINE POWER FLOWS
- RIBBED BELTS - IDEAL FOR COMPACT, HIGH-SPEED ACCESSORY DRIVES
- TIMING BELTS - ESSENTIAL FOR FEED SYSTEMS, SEEDERS, CONVEYORS
- CUSTOM PROFILES - ENGINEERED FOR OEM SPECS OR RETROFIT COMPATIBILITY



MOVENDIS SUPPORT FOR OEMS & FACILITIES

WE WORK WITH AGRICULTURAL EQUIPMENT MANUFACTURERS TO CO-DEVELOP BELT SOLUTIONS THAT MEET EXACT DESIGN TARGETS.

- RAPID PROTOTYPING FOR NEW PLATFORMS AND TRANSMISSION SYSTEMS
- DATA-DRIVEN DRIVE MODELING FOR BETTER TORQUE/LOAD SIMULATION
- LIFECYCLE TRACEABILITY AND DIGITAL COMPLIANCE DOCUMENTATION
- REGIONAL ASSEMBLY AND LOGISTICS FOR JUST-IN-TIME SEASONAL DELIVERY
- MOVENDIS BELTS ARE COMPATIBLE WITH TOP-TIER AGRICULTURAL MACHINERY SYSTEMS AND READY FOR INTEGRATION IN CLAAS, JOHN DEERE, NEW HOLLAND, FENDT, MASSEY FERGUSON, KUBOTA, AND MORE (UPON ENGINEERING VALIDATION).



SUSTAINABILITY & LIFECYCLE VALUE

- LONG BELT LIFE REDUCES REPLACEMENT FREQUENCY AND WASTE
- LOW-DRAW SURFACES HELP IMPROVE MACHINE ENERGY EFFICIENCY
- REGIONAL PRODUCTION MINIMIZES CARBON FOOTPRINT OF SUPPLY CHAIN
- BIO-BASED AND RECYCLABLE OPTIONS AVAILABLE ON REQUEST



WHY MOVENDIS ?

- OEM-TRUSTED ENGINEERING
- EXTREME ENVIRONMENT TESTING

- LOGISTICS BUILT FOR AGRICULTURE
- MULTI-LANGUAGE TECH SUPPORT
- STRONGER UPTIME, LOWER TCO

WHETHER YOU'RE MANUFACTURING NEXT-GEN TRACTORS OR RETROFITTING IRRIGATION PUMP SYSTEMS, MOVENDIS PROVIDES THE BELT SYSTEMS THAT KEEP AGRICULTURE IN MOTION — EFFICIENTLY, PRECISELY, AND DEPENDABLY.

SCAN FOR MORE DETAILS



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