

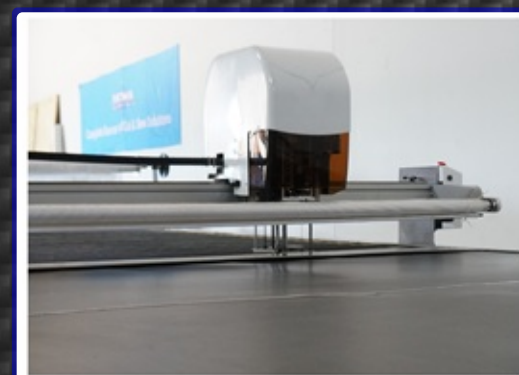


DEMATRON HY-H2007

CUTTING-EDGE HIGH-PLY AUTOMATIC CUTTING



- + TURNKEY CUTTING SYSTEM WITH HARDWARE & SOFTWARE
- + 84" (2.3M) WIDE X 118" (3.27M) LONG CUTTING AREA
- + HIGH PLY 2.75" MAX CUTTING HEIGHT
- + 197 FEET PER MINUTE CUTTING SPEED
- + POWERFUL SERVO MOTORS FOR PRECISE CUTTING AND MATERIAL FEEDING
- + VARIABLE-POWER VACUUM SYSTEM
- + ENERGY EFFICIENT
- + LONG LIFE CONSUMABLES
- + USER FRIENDLY CONTROLS AND OPERATION
- + ROBUST SOFTWARE FOR ON-THE-FLY EDITING
- + COMPATIBLE WITH ALL CAD FILE FORMATS
- + SELF DIAGNOSTICS FOR A SMOOTH CUTTING PROCESS
- + COMPLETE SET-UP, TESTING AND TRAINING



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DEMATRON HY-H2007

HIGH-PLY AUTOMATIC CUTTING SYSTEM

CUTTING AREA :	84" WIDE X 118" LONG
MAX MATERIAL HEIGHT (AFTER VACUUM ABSORPTION) :	2.75 INCHES
MAX CUTTING SPEED :	197 FEET PER MINUTE
CUTTING METHOD :	KNIFE RECIPROICATION
POWER REQUIREMENT :	AC 220 VOLT 3-PHASE. 60HZ
AIR PRESSURE REQUIREMENT :	80 PSI
AIR CONSUMPTION :	5.7 CFM
CAD DATA READING METHOD :	NETWORK CONNECTION/ USB/ DISK/ BARCODE
KNIFE GRINDING SYSTEM :	DOUBLE WHEEL GRINDING DEVICE
MACHINE WEIGHT :	6,000 LBS

TECHNICAL ADVANTAGES:

X, Y, Z AND C FOUR AXIS ACTION FORMS THREE- DIMENSIONAL CUTTING PLANES, WHICH OPTIMIZES PERFECT CURVE CUTTING. THE HY-H2007 IS EQUIPPED WITH AC SERVO MOTORS AND TRANSISTOR INVERTERS ENSURING A VERY PRECISE CUTTING OPERATION.

THE CUTTER IS EQUIPPED WITH SPECIALLY \ DESIGNED SOFTWARE - WHICH DISTINGUISHES BETWEEN LINES AND CURVES - GIVING THE CUTTER AN INTUITIVE ABILITY TO ADJUST THE CUTTING SPEED ACCORDING TO THE COMPLEXITY OF PATTERNS BEING CUT.

INTEGRATED VACUUM SYSTEM FLATTENS THE MATERIAL IN THE ENTIRE CUTTING AREA ELIMINATING MATERIAL MOVEMENT BETWEEN THE LAYERS.

THE DOUBLE SIDED KNIFE SHARPENING SYSTEM MAKES BLADES EVEN ON BOTH SIDES, EXTENDING THE USABLE LIFE OF THE KNIFE EXPONENTIALLY OVER SIMILAR SYSTEMS.

PROVEN FOR CUTTING A WIDE VARIETY OF FABRICS:

- ✦ MESH
- ✦ KNITS
- ✦ COTTON SHEETING
- ✦ DENIM
- ✦ NYLON
- ✦ KEVLAR
- ✦ PVC PLASTICS
- ✦ GRAPHITE COMPOSITES

THE DEMATRON HY-H2007 IS EQUIPPED WITH A STRONGER J-HEAD AND STRONGER SERVO MOTORS ALLOWING YOU TO CUT A VARIETY OF DIFFERENT MATERIALS AND FABRICS.

DEMATRON HY-H2007

HIGH-PLY AUTOMATIC CUTTING SYSTEM

CONSUMABLES & MATERIALS EFFICIENCY:

THE TIME INTERVAL OF BLADE SHARPENING IS ADJUSTABLE ACCORDING TO THE VARIATION OF FABRIC TEXTURES, ALLOWING THE BLADES TO LAST LONGER AFTER EACH CUT.

THE KNIFE CONTROL PLATE HAS ANTI-STATIC PROPERTIES - UNIQUE TO THIS CUTTER - WHICH MEANS THAT ALL THE CONSUMABLE MATERIALS NEED NO SEPARATE ANTI-STATIC TREATMENT. THE GRINDING STONES ARE MADE WITH DIAMOND POWDER, INCREASING THE LIFE OF THE STONES BY WEARING DOWN AT A SLOWER RATE.

THE BRISTLES ARE MADE WITH A SPECIAL MACRO-MOLECULE MATERIAL WHICH IS SOFT ENOUGH TO AVOID BEING CUT BY THE KNIFE, WHILE AT THE SAME TIME LASTING 30% LONGER THAN THAT OF BRISTLES USED IN OTHER CUTTERS IN THE INDUSTRY. THE BRISTLES ARE ALSO DENSER THAN ON COMPETING SYSTEMS, ELIMINATING THE NEED FOR UNDERLAY PAPER ON MOST FABRICS.

- +FULL SUPPORT ON REPLACEMENT PARTS
- +FULL TIME TECHNICAL SUPPORT TEAM

⚡ ENERGY EFFICIENCY:

SEALED BRISTLE VACUUM BOX PREVENTS AIR ESCAPE ELIMINATING UNNECESSARY WASTE OF POWER FROM THE VACUUM PUMP.

VACUUM STRENGTH CAN BE SET AT SEVEN DIFFERENT LEVELS, MAINTAINING THE OPTIMUM SUCTION POWER DEPENDING ON MATERIALS AND NUMBER OF LAYERS BEING CUT. ELIMINATES THE NEED TO OPERATE THE VACUUM AT MAXIMUM CAPACITY IF NOT NEEDED.

PLASTIC FILM RE-COVERS THE FABRIC SIMULTANEOUSLY WHILE CUTTING TO PREVENT THE AIR LEAKING FROM THE GAPS BETWEEN THE CUT PIECES.

DEMA CUTTING SOLUTIONS
OFFERS COMPLIMENTARY CUTTING
PROCESS EVALUATION WITH PROVIDED
CUT FILES AND SAMPLE MATERIALS.



WITH 10 DIFFERENT MODELS IN STOCK, WE GUARANTEE YOU THE PERFECT COMBINATION OF HARDWARE AND SOFTWARE SOLUTIONS TO CUT ANYTHING FROM KNITS TO KEVLAR. SEND US YOUR SAMPLES AND CUT FILES NOW.

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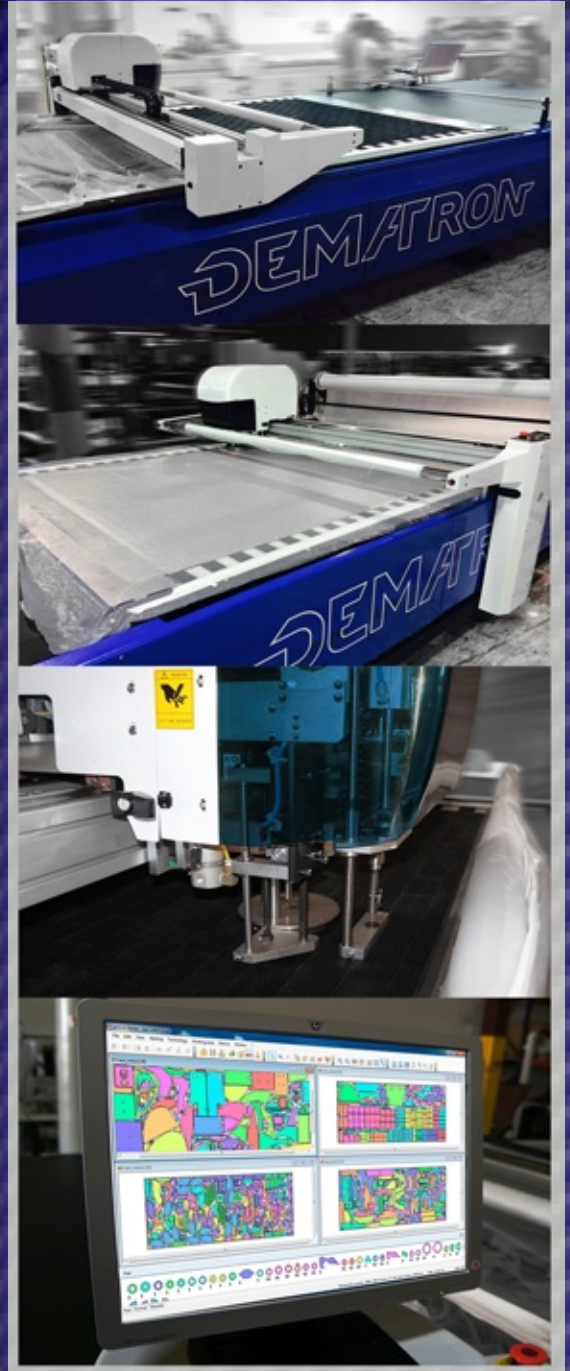
HIGH-PLY AUTOMATIC CUTTING SYSTEM

SOFTWARE SYSTEM:

THE DEMATRON HY-H2007Q-JL COMES WITH ITS OWN PROPRIETARY CUTTER CONTROL SOFTWARE DESIGNED FOR OPTIMUM OPERATOR CONTROL AND REPORT COMPILATION.

PACKED WITH RICH VARIETY OF SETTINGS AND OPTIONS TO MAKE EACH CUTTING RUN EASY, FAST AND PRECISE.

- + FULL CONTROL OF THE CUTTING PROCESS
- + ON-THE-FLY MODIFICATION DIRECTLY ON THE SYSTEM
- + ABILITY TO IMPORT CUT FILES FROM GERBER, LECTRA AND OTHER SYSTEMS
- + OPTION TO CHANGE CUTTING ORDER
- + OPTION TO MODIFY NOTCHES AT STATION
- + DAILY REPORT AND MONTHLY REPORT HELPS YOU MANAGE THE DAILY CUTTING PROCESS MAKING IT A GREAT TOOL FOR PROJECT OVERSIGHT AND PRODUCTION CONTROL.
- + ABILITY TO CUT ITEMS ON FABRICS THAT ARE LONGER THAN THE CUTTING AREA WITH BATCH BY BATCH FUNCTIONALITY
- + ..AND MANY OTHER OPTIONS AND SETTINGS FOR EACH STEP OF THE PRODUCTION RUN



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