

# DEMATRON

*Automated Solutions*



## DX-8000

HIGH-PLY CUTTER

# FEATURES

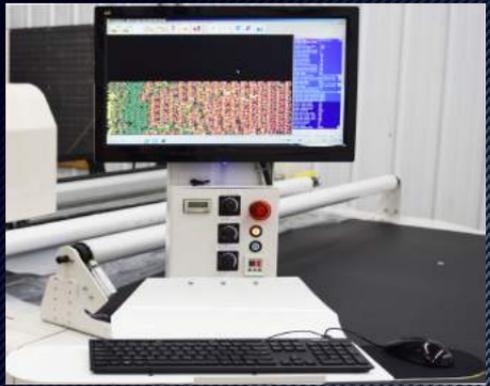
- MULTI-PLY CONVEYORIZED BED
- SIMULTANEOUS CUTTING & FEEDING TECHNOLOGY
- AUTOMATIC BRISTLE CLEANER
- VARIABLE VACUUM
- VACUUM RESEALING
- LOW NOISE VACUUM
- SUPERIOR SERVO DRIVEN SHARPENING SYSTEM
- DRILL CAPACITY
- KNIFE INTELLIGENCE
- BLADE COOLING MECHANISM
- BLADE SCANNING MODULE
- SAFETY SENSORS
- INTUITIVE CUT-CONTROL SOFTWARE
- MARKER EDIT SOFTWARE
- SELF DIAGNOSTIC SYSTEM
- REMOTE ACCESS
- NETWORK COMPATIBILITY

## INTUITIVE CUT CONTROL SOFTWARE

Designed to be easy but versatile, our cut-control software makes loading cut patterns simple without having to reopen another window. With over 400 same-screen parameter settings, all accessible through shortcuts, this sophisticated software is perfect for any design, simple or complex.

## CONVEYORIZED BED

The fully conveyORIZED DX-8000 assures a continuous high-production work-flow, seamlessly synchronizing the cutting, sorting, and off-loading of cut materials.



## SIMULTANEOUS CUTTING & FEEDING TECHNOLOGY

Our exclusive continuous cutting while conveying technology was developed by incorporating the most forefront Japanese engineering, a product from 90 of years experience. Unrivaled, the DX-8000 operates a non-stop production cycle, exponentially increasing your production & profits.

## VACUUM CONTROL SYSTEM

The variable vacuum delivers the flexibility needed to control the quality of cuts when handling challenging composites & soft goods. The DX-8000 is in full control to handle any type of material.

## VACUUM RESEALING

The DX-8000 is equipped with a vacuum recovery system, which is designed to reseal previously cut areas. This unique feature minimizes the loss of vacuum, improving the quality of cuts.

## SUPERIOR SHARPENING SYSTEM

Our diamond-plated sharpening mechanism simultaneously sharpens both sides of the blade, creating the ultimate cutting edge. This unique design guarantees perfect notches and quality cut pieces.

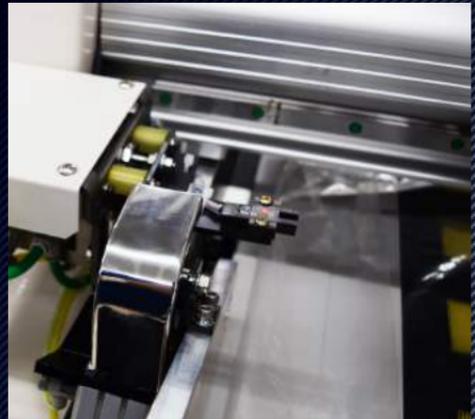


## BLADE SCANNING MODULE

This unique feature scans the blade real-time to capture actual blade size after the sharpening process. Those measurements then get exported into the cut control software, calculating for any needed compensation due to altered dimensions. Using the actual measurements of the blade ensures that every cut piece or fabric notch will yield perfection.

## BLADE COOLING MECHANISM

Cooling the blade, this mechanism prevents melting of composite-type materials, resulting in an increase of speed and production. An essential feature when cutting materials such as nylon, plastics, carbon fiber and other composites.



## KNIFE INTELLIGENCE

Our sophisticated DX Knife Intelligence series offers precise digital accuracy as opposed to the analog technology that our competitors carry. Multiple sensors will activate when blade deflection is detected, automatically realigning the blade to provide uniform cuts from your top to bottom layer.

## DRILL CAPACITY

Equipped with one cloth drill, the DX-8000 comes preconfigured for two additional standard or heavy duty punch drills, used for any needed tough composites.

## NETWORK COMPATIBILITY

Provides access to not only creating orders, but also sending them directly to the cutting system, making for an easy work flow.

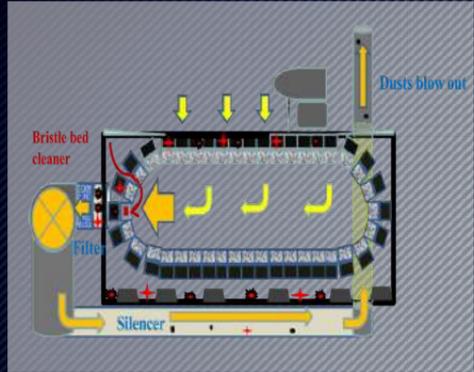
## MARKER EDIT SOFTWARE

This highly efficient feature allows the user to make instant modifications without having to completely redesign the cut pattern. This ensures not only the quality of cuts but also the efficiency of time.



## AUTOMATIC BRISTLE CLEANER

This automated feature ensures the longevity of the DX-8000 by maintaining its highest functionality. Cleaning itself of debris while operating, this advantageous feature minimizes maintenance.

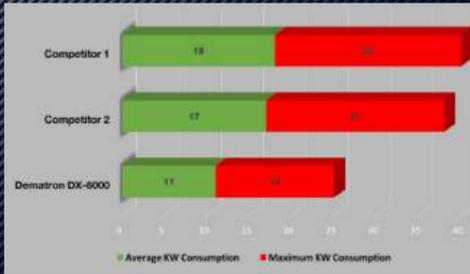


## LOW NOISE VACUUM

In addition to our cutting-edge technology, the DX-8000 was engineered to function at a significantly reduced noise level, providing a more quiet and functional work environment.

## ENERGY EFFICIENT

Though equipped with various advantageous features this DX-8000 still manages to function on a lower consumption of power, resulting in lower costs.



## SAFETY SENSORS

Because safety is our priority, all DEMATRON machines are uniquely designed with hi-tech safety sensors, establishing a safe and high-production work environment.

## SELF DIAGNOSTICS

Self generated reports, ensuring the detection of any malfunction, making it easy to maintain the machine at its highest functioning ability.



## REMOTE ACCESS

The DX-8000 is also equipped with remote access capability for any needed technical support.

# DEMATRON DX-8000

CUTTING AREA	1700 mm (67 in.) x 2000 mm. (78 in.)
CUTTING HEIGHT	Max. 80 mm. (3.15 inches)
CUTTING SPEED	Max. 60 m/min.
CUTTING METHOD	Reciprocating
POWER	3p/380v/ 50hz/60hz
CONSUMPTION	Max. 38KVA(25KW)
AIR SUPPLY	0.5MP

