

## Ultimate solution for material processing of complex materials

THE GERBERCUTTER® DCS 1600 IS A HIGH-SPEED, LOW-PLY MATERIAL PROCESSING SYSTEM THAT UTILIZES GERBER'S PIVEX® CUTTING TECHNOLOGY – A HIGH-FREQUENCY, OSCILLATING CUTTING MOTION THAT IS CAPABLE OF CUTTING EVEN THE MOST COMPLEX MATERIALS WITH THE HIGHEST OF QUALITY.

### **Provides optimal precision, throughput, and cut quality.**

- Cuts intricate shapes with great accuracy and edge quality, without sacrificing speed.
- Minimizes or eliminates overcuts and hangers for ultimate edge quality.
- System minimizes material movement to ensure maximum precision.

### **Enhances automation.**

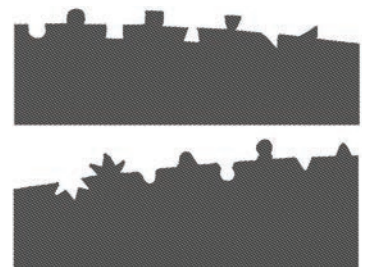
- Streamlines lean manufacturing with tailored system configurations that eliminate excess labor and processes, and integrates with existing manufacturing lines.
- Powerful CutWorks® software automates part/ply placement for enhanced throughput and material utilization.

### **Maximizes equipment longevity.**

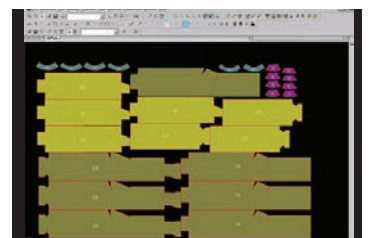
- Optional Ingress Protection shields vital electronic components from foreign elements including conductive carbon particles, dust, and moisture.



*The easy-to-use keypad controls multiple machine functions at the cutter.*



*Pivex technology enables you to cut intricate shapes faster and more precise.*



*CutWorks software offers a complete design, nesting and cutting solution.*

# GERBER DCS 1600 CUTTER



Punch tools are available for additional cutting capability



Pivex knife

NOTE: Configurations vary according to options selected. Specifications are subject to change without notice.

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Form No. 05022017

## Available Options & Services

- Complete service and parts supply packages.
- Training for operators, technicians and applications personnel is available.
- Pneumatic vacuum shutoff for single-zone or dual-zone vacuum.
- Laser pointer for precision pointing.
- Ingress protection.
- Nesting Video Projector: Project parts onto material to enable manual adjustments.

## Technical Specifications

Characteristics		
Fabric Height	Single Ply	
Cutting Speed (maximum)	1,1 m/sec	45 in./sec
Head Acceleration (maximum)	0,5 G	200 in./sec <sup>2</sup>
Machine Dimensions	2,44 x 2,36 m	96 x 93 in.
Cutting Area	1,52 x 1,80 m	60 x 70.77 in.
Table heights	0,84 or 0,86 m	33 or 34 in.
Electrical Requirements		
Control and Drive System	220V@20 amps, 200V-240V@10 amps, single phase 50/60Hz (4wire)	
Table Vacuum	Single phase 220V 50Hz 16A rated/112A start up Single phase 115V 60Hz 29A rated/172A start up Single phase 208/230V 60Hz - 15A rated/95-86A start up	
Compressed Air	14 liters/min @ 5,5-8,3 bar 0.5 SCFM @ 80-120 PSI	
Operating Environment		
Temperature (maximum)	43°C	110°F
Humidity (maximum)	95% (non-condensing)	
Vacuum System (altitude)	760 m above sea level	2,500 ft. above sea level

