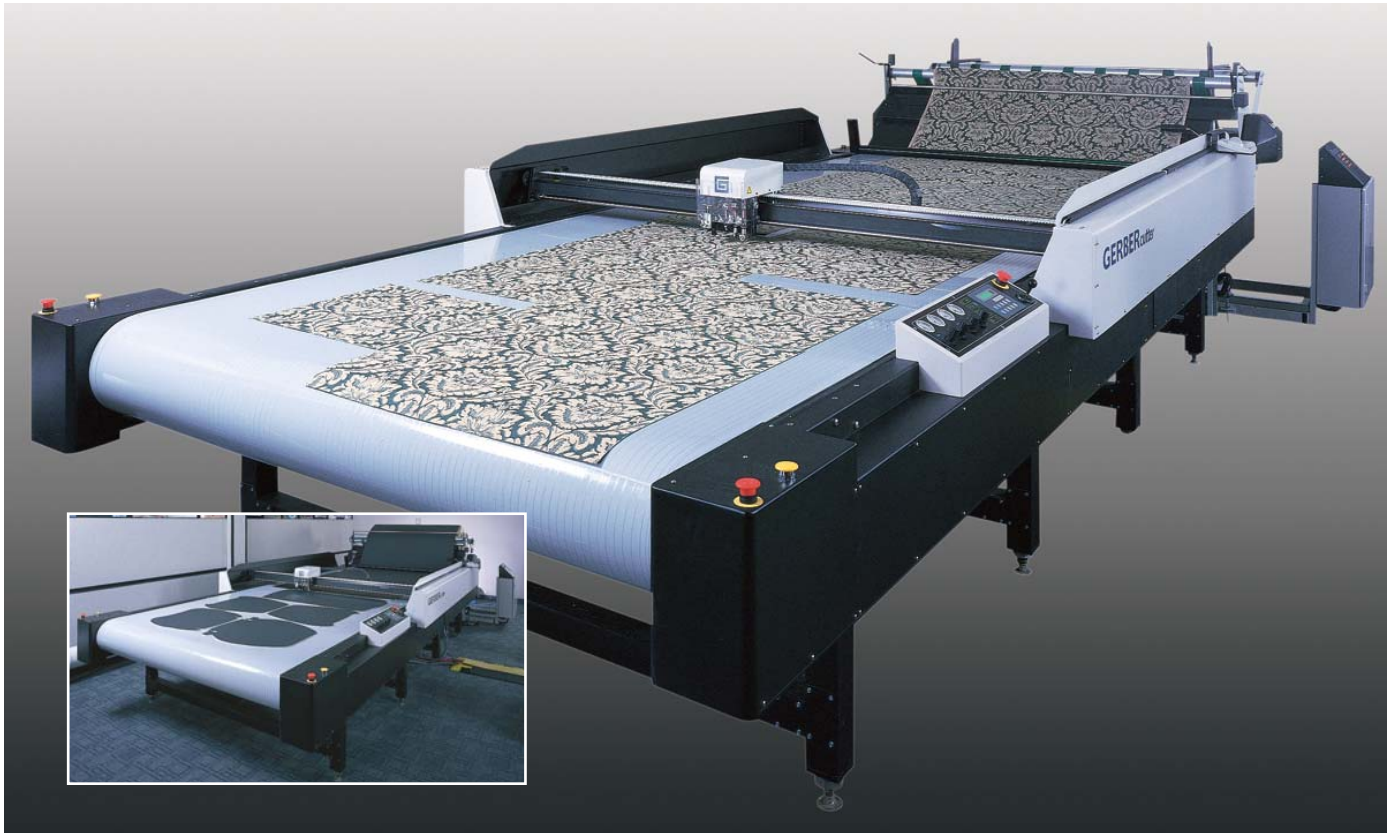


DCS 3500

Conveyorized Cutting System



The low-ply, high-volume cutting solution

The DCS 3500 conveyorized GERBERcutter system offers the highest single-ply throughput available. The advantages of low- or single-ply cutting are speed, accuracy, and flexibility. Added benefits include material savings, pattern match capabilities, and lower operating costs.

At the heart of the DCS 3500 system are its continuous-cutting conveyorized bed, high-speed servo drive, enhanced tool motion and powerful software tools. Non-value-added costs are eliminated, because there is no need for spreading machinery, spreading labor and plant

space. Also, the DCS 3500 eliminates the cost of paper underlay or plastic overlay. Simplified material handling, reduced tooling, and flexible production management all add up to reduced operating costs. The cutter's small footprint can greatly reduce floor space requirements.

Multiple tool mounts enable you to use a straight knife, wheel knife, pounce (perforating) wheel, notching tool, or drill, up to three at one time, reducing time lost during tool changes. Pressure on the tools can be individually regulated to accommodate various materials and

applications. The operator's tasks are simplified, because cutting information, such as varying speed to prevent material motion, is embedded within the file.

Suites of furniture, in particular, benefit from the DCS 3500 cutter's ability to precisely cut continuous patterns of florals, prints, plaids, or stripes. The DCS 3500 is the ideal cutter for apparel, furniture, and automobile manufacturers and suppliers who must meet the growing demand for made-to-order and just-in-time production.

DCS 3500

Product Specifications

Features

- Automatic, continuous-cutting conveyor table
- Windows®-based, open architecture software with pattern matching, auto nesting, part identification, and flaw avoidance capabilities
- Fast, powerful servo drive with multiple tool mounts
- Very low maintenance system with small footprint

Benefits

- High-volume precision cutting
- Easy integration with existing computer systems and pattern file library
- Simple operation with consistent, repeatable, high throughput and optimum material yields
- Reduced labor, operation, maintenance and other non-value-added costs



Overall Dimensions

Machine:

DCS-3506: 2.44 m x 4.88 m
(96 in. x 192 in.)

DCS-3508: 3.14 m x 4.9 m
(123.5 in. x 192 in.)

Machine and feeder:

2.44 m x 6.4 m (96 in. x 252 in.)

Control cabinet:

0.76 m x 1.53 m (30 in. x 60 in.)

Blower cabinet:

1.22 m x 1.22 m (48 in. x 48 in.)

Cutting Area

DCS 3506:

1.83 m x 1.82 m (72 in. x 71.5 in.)

DCS 3508:

2.51 m x 1.83 m (99 in. x 72 in.)

Table Height

DCS 3506:

0.83 to 0.94 m (32.5 to 37 in.)

DCS 3508:

0.80 to 0.85 m (31.5 to 33.5 in.)

Maximum Cutting/Plotting Speed

1.1 m/sec. (45 ips)

Acceleration

1.5 g (600 ips²)

Computer

Pentium® processor

Drive Power

Servo motors

Drive System

Belt drive hybrid

Software Features

- CutWorks 5.0

Electrical Requirements

Vacuum blower:

220 - 440 VAC, 17 - 35 amps, 3 phase

Control and drive system:

200 - 240 VAC at 30 amps, single phase, 4 wire

Compressed Air Requirements

80 - 120 psi at 0.5 scfm

Cloth Feeding Device

0.7 m x 2.6 m (2.33 ft. x 8.5 ft.)

Options

- InfoJet inkjet system
- Alternative material feeding devices to handle fabric rolls up to 455 kg (1,000 lbs.)
- Auxiliary Control System for Optional Stops and Smart Stops

Operating Environment

Maximum temperature: 43°C
(110°F)

Maximum humidity: 95% (non-condensing)

Standard vacuum system to 760 m (2,500

feet) above sea level (optional vacuum

control available for higher altitudes)

NOTE: Configurations vary according to options selected by customers.

Specifications are subject to change without notice.

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