



TITAN 265/230/200

PAPER CUTTERS



ASSURANCE YOU MADE
THE RIGHT DECISION

TITAN 265/230/200

The Titan series paper cutters continue the Challenge tradition of innovation, delivering large cutter features and programmable backgauge control. The Titan paper cutters offer many features first made popular on our

PROGRAMMABLE FEATURES

- Menu-Driven LCD Screen
- Computer Backgauge Control
- LCD Digital Backgauge Position Indicator
- Variable Mode Data Entry
- 99 Channel, 9,801 Total Cut Memory
- Memory Lockout
- An Industry Exclusive — Light Touch Variable-Speed Pinpoint Backgauge Control
- Push-Out Function
- Computer Diagnostics

DESIGNED FOR CONVENIENCE

Thanks to Challenge's innovative computer engineering, the Titan models offer a **99-channel memory** that stores up to **99 cuts per channel**. Subsequent channels can be combined to increase program size.

The Titan's unique control system permits **variable mode data entry**. Enter data in inches (to 0.001"), millimeters (to 0.01 mm), or fractions (to nearest 1/64"). You can also **convert data** from one system to another with just the touch of a button!

Menu-driven set-up and a **light touch electronic keypad** combine to simplify programming or editing each job. Channels, cut dimensions, and backgauge position are displayed on the LCD screen.

Knife changing is easy and quick, thanks to the slotted knife bar design. **False clamp plate** installation and removal is just as convenient because it's handled from the front of the machine.

SPEED

The keypad features an advanced, **light touch variable-speed pinpoint backgauge control** to quickly position stock. Depending on the portion of the pin-point control you touch, the backgauge moves forward or backward at varying speeds. Or, simply type in the desired position and press the "Send" key. The computer positions the backgauge prior to each cut for maximum productivity.

CONTROL

The **line-light cut position indicator** projects a line of light to quickly and accurately position each cut, and aid programming of multiple-cut jobs.

For pre-cut clamping, such as holding slick stock or verifying cut position, the foot pedal safely gives the operator complete control of the clamp.

DURABILITY

Since designing our first paper cutters in 1887, Challenge has become well known for building machines that last. The Titan's solid cast iron and steel construction provides maximum durability. Our one inch thick solid cast tool grade aluminum table provides the strong work surface required in a production setting.

FLEXIBILITY

The system's single **hydraulic motor** powers both clamp and knife, without any loss of power or accuracy. Clamp pressure is adjustable, so clamping force can be changed to match specific job requirements. The **electronic clamp pressure control** (standard 265/optional 200 and 230) can set clamping pressure from the "Send" screen. During a cut cycle, hydraulic clamp pressure is activated. After increasing to the selected setting, it is maintained throughout each cycle. Hydraulic operation assures more power, less stock spoilage, less maintenance, and greater reliability. After a few minutes of inactivity, the Titan switches into an energy-conserving standby mode.

SAFETY

Standard equipment includes the finest **Category 4 light curtain** to monitor the cutter opening. These self-checking beams ensure the highest degree of safety for the operator.

PROFESSIONAL OFFICES

COPY CENTERS

IN-PLANT PRINTERS

atures in 26-1/2" / 67.3 cm, 23" / 58.4 cm, and 20" / 50.8 cm cutting widths with our larger cutter models.

A dedicated **push-out key** moves stock forward, allowing the operator to turn or remove jobs without placing hands in the clamp and knife area. To assist in stock alignment and removal, a wooden jogging aid is supplied with each Titan cutter. **NOTE: An operator should never place hands under the clamp or knife.**


In addition to the rear plexiglas table cover, a slot closure device covers the table opening required for backgauge movement.

Leading the industry again, the Titan cutters are UL, cUL, and CE Listed!

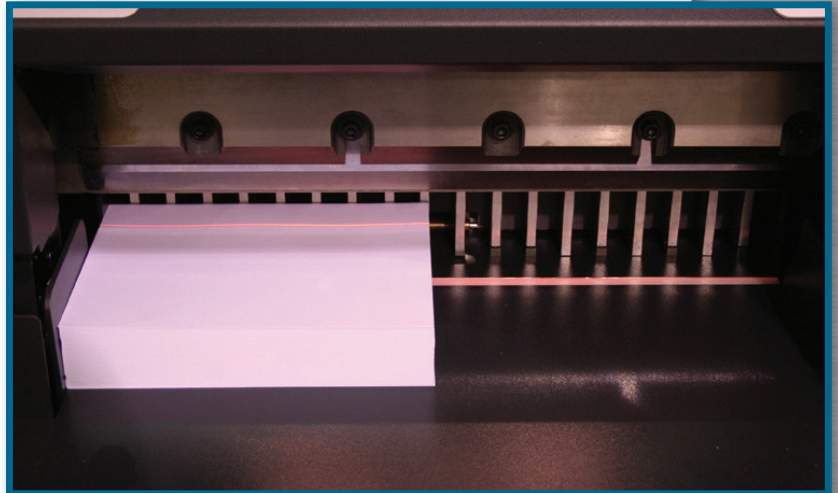
AND LOGIC

An advanced computer program monitors and diagnoses cutter operations. Sophisticated sensor arrays detect backgauge position and mechanical cutting sequences. If a problem is detected, the computer will shut down the machine, and display an error message to simplify troubleshooting.

STANDARD FEATURES

- Hydraulic Clamping and Cutting
- Adjustable Clamp Pressure
- Proudly manufactured in the USA
- 2 year warranty
-   **CE**
- Safety Devices
 - Light Beam
 - Mechanical knife safety latch
 - Two-Hand, monitored cut buttons
 - Enclosed rear table

Each cutter includes two knives, three plastic cutting sticks, jogging aid, tool kit, and operator's manual.



A high-contrast red LED (Titan 200 and 230 only) allows for better visibility and has a long service life. The floating fingers ensure paper does not get trapped under the backgauge.



The XT console (Titan 265 only) is a Windows-based 10.4" color touch-screen controller, giving you better visual cutting prompts and more job storage capabilities.



The XG console (Titan 265 only) offers menu-driven prompts, programmable clamp pressure and gives operator a graphical depiction of the job.



The Titan 200/230 controller offers a simple and intuitive menu-driven LCD interface.

SPECIFICATIONS

	TITAN 265	TITAN 230	TITAN 200
Maximum Cutting Width	26-1/2" / 67.3 cm	23" / 58.4 cm	20" / 50.8 cm
Minimum Cut: without false clamp plate with false clamp plate	5/8" / 16 mm 1-7/8" / 48 mm	1/2" / 13 mm 1-7/8" / 48 mm	1/2" / 13 mm 1-7/8" / 48 mm
Maximum Cut Depth	28" / 71.1 cm	24" / 61.0 cm	20" / 50.8 cm
Clamp Opening: without false clamp plate with false clamp plate	4" / 10.2 cm 3-3/4" / 9.5 cm	3-1/4" / 8.3 cm 3" / 7.6 cm	3-1/4" / 8.3 cm 3" / 7.6 cm
Clamp Force: minimum maximum	1,470 lbs / 652 daN 4,000 lbs / 1,800 daN	1,250 lbs / 563 daN 2,500 lbs / 1,125 daN	1,250 lbs / 563 daN 2,500 lbs / 1,125 daN
Clamping Method Backgauge Control	Hydraulic & Power Soft Clamp Power	Hydraulic & Manual Power	Hydraulic & Manual Power
Knife Cycle Speed	26 cuts/min	20 cuts/min	20 cuts/min

DIMENSIONS

Table Space: in front of knife behind knife	24-1/2" / 62 cm 28" / 71.1 cm	24-1/4" / 61.6 cm 24" / 61.0 cm	15-1/4" / 38.7 cm 20" / 50.8 cm
Overall Height	59" / 150 cm	53" / 135 cm	53" / 135 cm
Overall Width	54" / 137 cm	50" / 127 cm	36" / 92 cm
Overall Length	69-1/2" / 177 cm	66" / 168 cm	49" / 124 cm
Side Tables Optional Side Tables	13-1/2" x 16" / 34.3 x 40.6 cm	13-1/2" x 16" / 34.3 x 40.6 cm 18"x20" / 46 x 51 cm	8" x 8" / 20.3 x 20.3 cm
Minimum opening required thru door: Table, treadle & light beam off:	54" / 137 cm 31" / 79 cm	43" / 109 cm 29" / 74 cm	36-1/4" / 92 cm 29" / 74 cm
Net Weight (approximate)	1,780 lbs / 808 kg	1,000 lbs / 454 kg	800 lbs / 363 kg
Shipping Weight (approximate)	2,020 lbs / 917 kg	1,250 lbs / 567 kg	920 lbs / 418 kg

ELECTRICAL CE

Titan 265 Motor 5 H.P., 208/230 Volts, 60 Hz, 3-Phase, AC, 25 Amps. Service size 30 Amps.

Optional Motors: 5 H.P., 208/230 Volts, 60 Hz, 1-Phase, AC, 30 Amps. Service size 40 Amps.

5 H.P., 208/230 Volts, 50 Hz, 1-Phase, AC, 30 Amps. Service size 40 Amps.

5 H.P., 380/415 Volts, 50 Hz, 3-Phase, AC, 15 Amps. Service size 20 Amps.

Titan 230 Motor 1-1/2 H.P., 230 Volts, 60 Hz, 1-Phase, AC, 12 Amps. Service size 15 Amps. Requires receptacle type: NEMA6-15R or 6-20R. (Optional 50 Hz, 1-phase available)

Titan 200 Motor 1-1/2 H.P., 230 Volts, 60 Hz, 1-Phase, AC, 12 Amps. Service size 15 Amps. Requires receptacle type: NEMA6-15R or 6-20R. (Optional 50 Hz, 1-phase available)

Challenge reserves the right to make changes to any product or specification without notice and without incurring responsibility to existing units.



THE CHALLENGE MACHINERY COMPANY
6125 Norton Center Dr. Norton Shores, MI 49441 USA
Phone: 231.799.8484 Fax: 231.798.1275
www.challengemachinery.com