

# PAPER CUTTERS

|  | 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<br>with false clamp plate   | 5/8" / 16 mm<br>1-7/8" / 48 mm               | 1/2" / 13 mm<br>1-7/8" / 48 mm               | 1/2" / 13 mm<br>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<br>with false clamp plate | 4" / 10.2 cm<br>3-3/4" / 9.5 cm              | 3-1/4" / 8.3 cm<br>3" / 7.6 cm               | 3-1/4" / 8.3 cm<br>3" / 7.6 cm               |
| Clamp Force: minimum<br>maximum                                    | 1,470 lbs / 652 daN<br>4,000 lbs / 1,800 daN | 1,250 lbs / 563 daN<br>2,500 lbs / 1,125 daN | 1,250 lbs / 563 daN<br>2,500 lbs / 1,125 daN |
| Clamping Method<br>Backgauge Control                               | Hydraulic & Power Soft Clamp<br>Power        | Hydraulic & Manual<br>Power                  | Hydraulic & Manual<br>Power                  |
| Knife Cycle Speed  | 26 cuts/min                                  | 20 cuts/min                                  | 20 cuts/min                                  |

| DIMENSIONS  |                                |  |                                 |
|---|--------------------------------|--|---------------------------------|
| Table Space: in front of knife  | 24-1/2" / 62 cm                | 24-1/4" / 61.6 cm                                      | 15-1/4" / 38.7 cm               |
| Overall Height  | 60-1/3" / 153 cm               | 53" / 135 cm   | 53" / 135 cm                    |
| Overall Width   | 54" / 137 cm                   | 50" / 127 cm   | 36" / 92 cm                     |
| Overall Length  | 70-1/3" / 179 cm               | 66" / 168 cm   | 50-7/8" / 129 cm                |
| Side Tables<br>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<br>18"x20" / 46 x 51 cm | 8-1/4" x 12-1/4" / 21 x 31 cm   |
| Minimum opening required thru door:<br>Table, treadle & light beam off: | 54" / 137 cm<br>31" / 79 cm    | 43" / 109 cm<br>29" / 74 cm                            | 36-1/4" / 92 cm*<br>29" / 74 cm |
| Net Weight (approximate)  | 1780 lbs / 808 kg              | 1000 lbs / 454 kg                                      | 800 lbs / 363 kg                |
| Shipping Weight (approximate)   | 2020 lbs / 917 kg              | 1250 lbs / 567 kg                                      | 980 lbs / 444 kg                |

## ELECTRICAL CE

**Titan 265 Motor** 5 H.P., 208/230 Volts, 60 Hz, 3 Phase, AC, 25 Amps. Service size 30 Amps. Single Phase Supply Kit: K-3482

**Optional Motors:** 5 H.P., 380/415 Volts, 50 Hz, 3 Phase, AC, 15 Amps. Service size 20 Amps.

**Titan 230 Motor** 1-1/2H.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** 1-1/2H.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. Challenge and Titan are registered trademarks of The Challenge Machinery Company.



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




**ASSURANCE YOU MADE  
THE RIGHT DECISION**



# TITAN 265/230/200 PROGRAMMABLE PAPER CUTTERS

The Titan series paper cutters continue the Challenge tradition of innovation, delivering large cutter features in 26-1/2"/67.3 cm, 23"/58.4 cm, and 20"/50.8 cm cutting widths. The Titan paper cutters offer many sophisticated yet easy to use control features in convenient small format sizes.

## STANDARD FEATURES

- Hydraulic Powered Clamping and Cutting
- Electronic Clamp Pressure Control
- Computer Backgauge Control
- Convenient Measurement conversion - Metric/English/Fractions
- Program Memory Lock
- Multiple Safety Systems
  - › Light Beam curtain system protecting the cutting area
  - › Mechanical knife safety latch
  - › Two-Hand monitored cut buttons
  - › Enclosed rear table
  - › Slot Closure device over table slot
  - › Push-Out Function
- Pre-clamping - powered for 265, manual for 200 and 230
- Computer Diagnostics
- Two knives, three cut sticks, wood jogging aid, tool kit, and operators manual
- Manufactured in the USA
- 2-year warranty
-  **CE** certified

## DURABLE

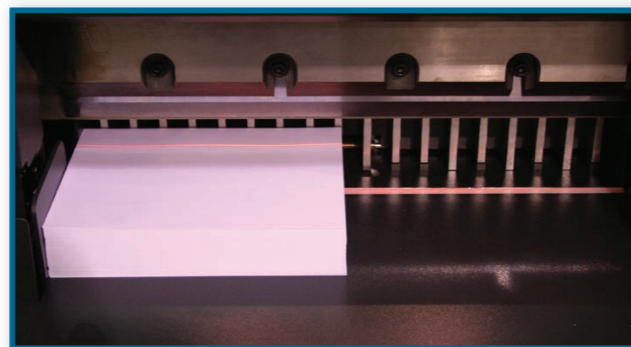
As the first manufacturer of paper cutters in the world (since 1887), Challenge is well known for building machines that last, making our cutters one of the most economical machines available. The Titan's solid cast iron and steel construction provides years of quality cutting. Our solid one inch thick metal tables provide a strong work surface necessary in a production environment.

## SAFE

Standard safety features include CE and ANSI standard compatible **light curtain system** to protect the operator in the cutting area. These self-monitoring beams ensure the highest degree of safety for the operator. A dedicated **push-out key** moves the stock forward allowing the operator to handle the stock without placing his/her hands under the clamp and knife. **Fully enclosed rear tables** and a **table slot cover** protects the operator from possible pinch points. All Titan cutters are **UL, cUL, CE and ANSI certified** through United Laboratories ensuring that Challenge cutters are made to the highest safety standards available in the market.

## CONTROL

The **line-light cut position indicator** projects a line of light on the surface of the stock to quickly and accurately position each cut by sight. A **low pressure foot pedal clamping** system gives the operator safe control of the clamp when pre-cut clamping is needed, such as holding slick stock in place or verifying a cut position.



A high contrast RED LED line-light (Titan 200 and 230 only) allows for better visibility and long service life.

## ERGONOMIC

Challenge's EXCLUSIVE **Ergo-Touch Cut Button option** provides protection from one of the most repetitive movements required of a cutter operator - the continual pressing of the cut buttons during the cut cycle. The Ergo-Touch cut button system requires the same dual handed interaction from the operator but does not require him/her to hold in place a spring pressured button. This system only requires that the operator's finger be present in each cut switch device during the cut cycle providing ergonomic relief on the operator's hands and wrists.



Challenge Exclusive Ergo-Touch Button (optional)

## TITAN 265 CONTROLLER

AVAILABLE AS AN OPTION FOR THE 200 AND 230



## FEATURES

- 10.5" Color Touch Screen controller
- Clean layout and easy to use with operator prompts and assistance
- Unlimited program storage capacity
- Programmable Clamp pressure control per cut
- JDF and network capable hardware
- USB port for simple thumb drive program entry
- Receives .csv files from common market spreadsheet software making offline programming and memory storage simple to implement
- Repeat and Loop commands greatly simplify program entry
- Software runs on a real time operating platform with Challenge proprietary software
- Fast backgauge speed
- Auto Programming Features (sheet division and label cutting) with animated graphics

## FLEXIBLE

The system's strong **hydraulic unit** powers both clamp and knife for reliable and consistent force. The **clamp pressure is adjustable** allowing the clamping force to be adjusted to match the unique requirements of each job. **Electric clamp pressure control** can adjust clamping pressure conveniently from the controller. Challenge's exclusive **fraction data entry** allows for fractions to be entered and automatically calculated to decimal equivalents. Knife changing and adjustment is easy and quick thanks to the slotted knife bar design and dual knife adjustment bolts. False Clamp plate installation and removal is just as quick because it can be done from the front of the machine.

## SMART

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

## TITAN 200 AND 230 CONTROLLER



## FEATURES

- Menu-Driven prompted LCD Control Screen
- Digital Backgauge Position Indication
- 99 Programs, 9,801 Total Cut Memory
- Light Touch electronic keypad
- Program screen displays job number and name, next 8 cuts of program, and backgauge position
- Simple and easy to operate
- Software runs on a real time operating platform with Challenge proprietary software