

CHAMPION 305 & 370 CUTTERS

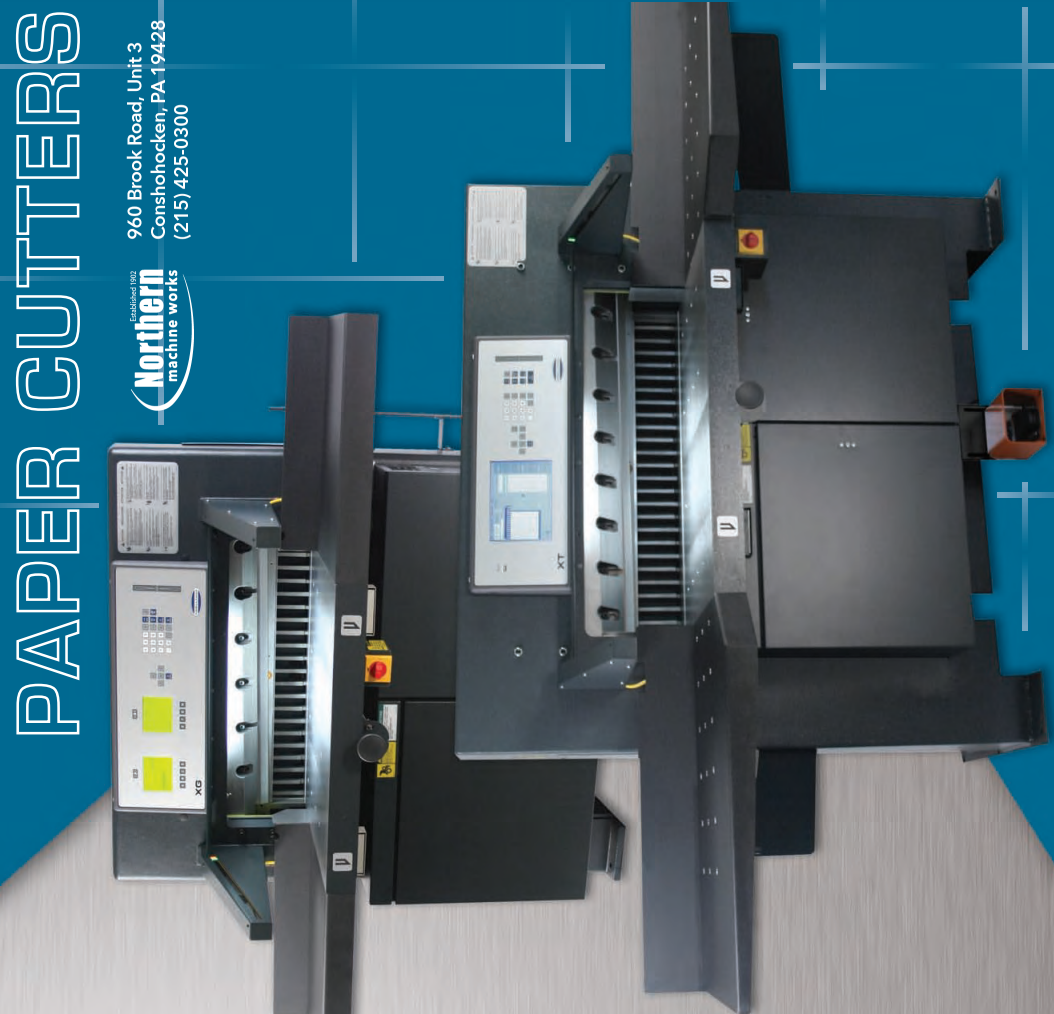
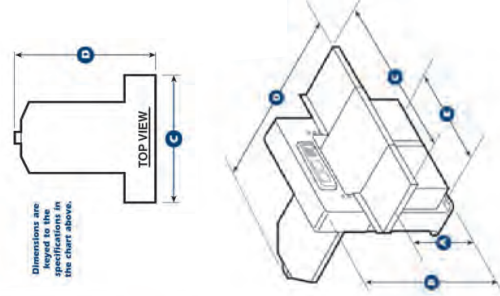
CHAMPION 305 & 370



Specifications	305 Models	370 Models
CUTTING		
Maximum Cutting Width	30 1/2" / 777.5 cm	37" / 94 cm
Minimum Cut:	without false clamp plate with false clamp plate	1/2" / 19 mm 2 1/8" / 6.4 cm
Maximum Cut Depth	30 1/2" / 777.5 cm	40 7/102 cm
Clamp Opening:	without false clamp plate with false clamp plate	4 7/10.2 cm 5 1/4" / 13 cm
Clamping Method	Hydraulic & Manual	4 1/4" / 12.4 cm
Maximum Clamping Force	5000 lbs/2200 daN	7000 lbs/3100 daN
Backpage Control	Power & Manual	Power
DIMENSIONS		
Table Spacing:	in front of knife behind knife	25" / 63.5 cm 30 1/2" / 777.5 cm 40 7/102 cm
A Table Height	36 1/2" / 94 cm	36" / 92 cm
B Overall Height	58 1/2" / 147 cm	60 7/153 cm
C Overall Width (with side tables)	78 1/2" / 200 cm	109" / 277 cm
D Overall Width (without side tables)	48 1/2" / 123 cm	63 1/2" / 162 cm
E Overall Length	70 7/178 cm	86 1/2" / 219 cm
F Mounting Dimension	41 1/2" / 105 cm	60 1/2" / 153 cm
Door Pass-through:	assembled with table/headle removed	49 7/124 cm 42 7/106 cm
with table/headle/power unit removed	29 7/74 cm	35 7/89 cm
Net Weight: (approximate)	2550 lbs/1157 kg	3750 lbs/1701 kg
Shipping Weight: (approximate)	2750 lbs/1247 kg	4400 lbs/2000 kg
ELECTRICAL		
305 Standard Motor	5 H.P., Three-Phase, 60 Hz, AC 208/230 Volts, 25 Amps (service size 40 Amps) or 460 Volts, 11.5 Amps (service size 20 Amps)	
305 Optional Motor	5 H.P., Single-Phase, 60 Hz, AC 208 Volts, 47 Amps (service size 60 Amps) or 230 Volts, 43 Amps (service size 60 Amps)	
370 Standard Motor	10 H.P., Three-Phase, 60 Hz, AC 208 Volts/38 Amps; 230 Volts/33 Amps (service size 60 Amps) or 460 Volts/20 Amps (service size 40 Amps)	

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

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960 Brook Road, Unit 3
 Conshohocken, PA 19428
 (215) 425-0300

PAPER CUTTERS



www.northernmachine.com
 215-425-0300

Established 1902

ASSURANCE YOU MADE THE RIGHT DECISION

CHAMPION 305 & CHAMPION 370 PROGRAMMABLE PAPER CUTTERS

Champion cutters are engineered entirely by Challenge. We have complete control of product development, engineering, and support which enhances our ability to provide features designed specifically for your needs. This ensures a superior quality machine and top-notch support.

CHALLENGE

A RICH HERITAGE & AN EXCITING FUTURE

- Serving the graphic arts industry since 1870
- Engineering excellence
- Produced the world's first paper cutter in 1887
- Introduced hydraulic cutting in 1940
- Introduced programmable cutting in 1968
- Innovation
- Marketplace leader

SAFETY

The primary concern of Challenge engineering has always been **safety**. It is quickly followed by **productivity** and **ease of use**. State-of-the-art **Category 4** electronic light beam safety devices guard the clamp opening on all Champion models. All of the other openings and moving parts are protected by physical barriers. **The two-hand timed cut buttons** are located under the front of the table and ergonomically activated by the operator's hand, not a single digit. **Soft power pre-clamping** is activated by the guarded foot pedal.

UL, cUL, & CE LISTING ON EVERY CHAMPION MODEL

Only Challenge brings all three of these certifications to the market in these sizes. Challenge exceeds all ANSI standards (American National Standards Institute).

BACKGAUGE POSITIONING ACCURACY INDEPENDENT OF THE LEADSCREW

Only Challenge goes to the extra expense to remove the measurement of the backgauge position from the rotations of the leadscrew. A precision ground and hardened rack and pinion gear system that is not affected by wear of the leadscrew signals the computer where the backgauge is in relation to the knife.

FASTER BACKGAUGE POSITIONING

While the operator is moving the lift, the programmer is quickly moving the backgauge to the next cut position.

FASTER KNIFE CYCLE

The latest hydraulic and electronic systems produce the fastest knife cycle since the Champion's beginning in 1960. This means even better productivity and efficiency.

REDUCED MAINTENANCE

- Easier access to the few lubrication points remaining.
- Challenge Champions now have **UHMW** (Ultra High Molecular Weight) linings on the knife bar gibs which don't require oiling. These extremely smooth surfaces remain strong and slick through millions of cycles.
- Composite bushings on the **knife and clamp linkages** don't require routine maintenance. No longer will you have component failure from connectors that have received deficient lubrication maintenance.

CHAMPION CUTTERS HAVE EARNED A REPUTATION FOR DEPENDABILITY AND DURABILITY

Purchasers of new Champion paper cutters have been rewarded years later with excellent resale value. Champions hold their value making them one of the most sought-after cutters in the used equipment market.



THE FACE OF A CHAMPION

COMMON PROGRAMMING FEATURES

- Redundant computer and electronic systems monitor the machine's safety features at all times
- Computer diagnostics
- Electronic clamp pressure control
- Patented variable-speed pinpoint backgauge control
- Electronic handwheel on front of table as additional backgauge positioning device
- False clamp plate position monitor
- Alpha/numeric electronic keypad
- Data entry as decimal inches, fractional inches or metric and easily converted from one mode to another by the push of a button
- Program lock
- Knife change alert
- Lubrication alert
- Choose between six program languages

STANDARD FEATURES

- 305 models - 30-1/2" cutting width, 4" clamp opening
- 370 models - 37" cutting width, 5-1/8" clamp opening
- Hydraulic clamping and cutting
- Adjustable clamp pressure
- Soft power foot pedal pre-clamping
- Line-light cut position indicator
- Lighted work surface
- False clamp plate
- Cast iron and steel construction
- Air on cutting table
- Slot closure
- Category 4 light beam safety devices

XG CONTROLLER



- Menu-driven dual LCD data screens
- 99 channels of non-volatile memory
- 9,801 total cut positions
- Auto-programming (sheet division & label cutting) with animated graphics

XT CONTROLLER



- Touch-screen color display (10.4" diagonal)
- 47,000 cut position non-volatile memory within the cutter
- USB Port for unlimited program storage onto memory sticks
- PC software for remote programming
- Auto-programming (sheet division & label cutting) with animated graphics

Both the 30-1/2" and 37" cutting widths feature the same challenge designed & engineered programmers. Available as either an XG or XT model, today's Champion cutters continue the long legacy of Challenge safety, productivity, innovation, and durability.