

CHALLENGE PRODUCTS



CHALLENGE® DAEHO PAPER CUTTERS



DYM II - 1160



Bottom Line . . . The Best Value

Challenge is proud to announce its new large-format line of paper cutters. This new generation of paper cutters is built to provide you the same precise, trouble-free operation you have become accustomed to with the entire Challenge product line.

12.1 inch TFT-LCD touch screen . . .

The full color 12.1" touch screen comes as standard equipment on all the Challenge DAEHO line of paper cutters. This screen is easy to view from any angle. The touch screen controls and windows operating system make it easy for operators to instinctively operate the machine. Jobs can be stored in the 20 GB

hard drive and recalled easily by name. Push-out, label cutting, and load-point programming are just a few functions that can be programmed. The sophisticated self-diagnostic display clearly shows the current status of the various sensors throughout the machine.

Programmable Controller . . .

- Menu-Driven Software
- 12.1 inch TFT LCD screen
- Advanced programmable controller with PC technology
- Self diagnostic function
- 20GB storage capacity



Precise backgauge positioning . . .

Challenge DAEHO paper cutters have a very rigid and stable backgauge due to the linear rail design that lifts the backgauge and guides it along without undue stresses on the lead screw. The leadscrew utilizes a ball screw design, known for its reliability and accuracy at any speed.

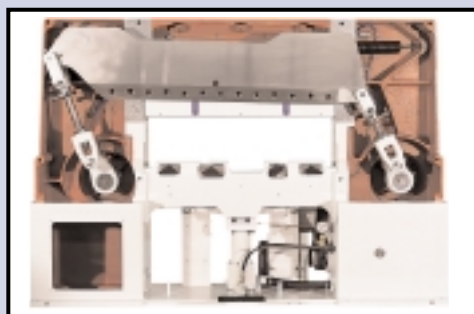


Self-diagnostic display . . .

Self-diagnostic system clearly points out problem areas to the operator.

Safety . . .

A variety of standard safety features are found on Challenge DAEHO paper cutters such as two-hand, timed and non-repeating cut buttons, monitored knife safety latch, infrared safety beams, and shear bolt detection. This allows our machines to carry the CE certification, assuring you of the highest level of operation security.



A Foundation of Strength

Built from a large heavy cast frame, the Challenge DAEHO cutter utilizes a double-end pull knife bar to provide a powerful yet precise swing of the blade.



Knife Changing System

The Challenge DAEHO cutter is designed for easy knife changes. This procedure allows for one operator to safely remove and install the blade in as little as ten minutes.

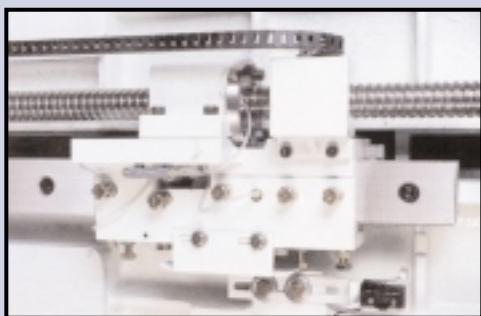
CHALLENGE® DAEHO CUTTERS



DYM II - 1550

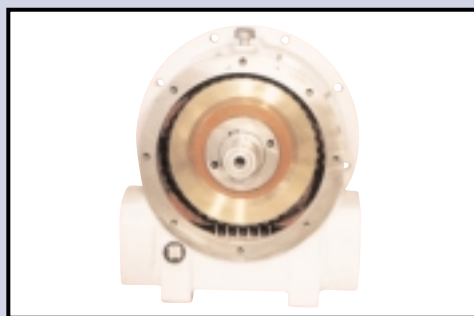
Cutter Features . . .

- Manual/semi-auto operation modes
- AC servomotor, ball screw and linear guide
- Adjustable clamping pressure
- Table light / optical cut line indicator
- Hard chromed air cushion table
- Easy knife change system
- Electro-magnetic clutch and brake system
- Double end pull knife drive system
- Shear bolt for cutting system protection
- Two hand cut control with non-repeat safety system
- Infrared safety light curtain
- Closed rear table



Backgauge Drive System

The backgauge is driven by an AC servomotor and servo controller. Combined with a rotating ball screw drive and linear guide rail, this system provides efficient, powerful, high accuracy positioning with less wear.



Worm Gear-driven Gear Box

Precision-ground worm gear units drive the two main knife crank arms, delivering a powerful and smooth stroke of the knife bar.



MPG (micro-adjusting) Handwheel

An electronically-controlled micro-adjust handwheel provides precision adjustments of the backgauge and can be turned OFF during machine operation.



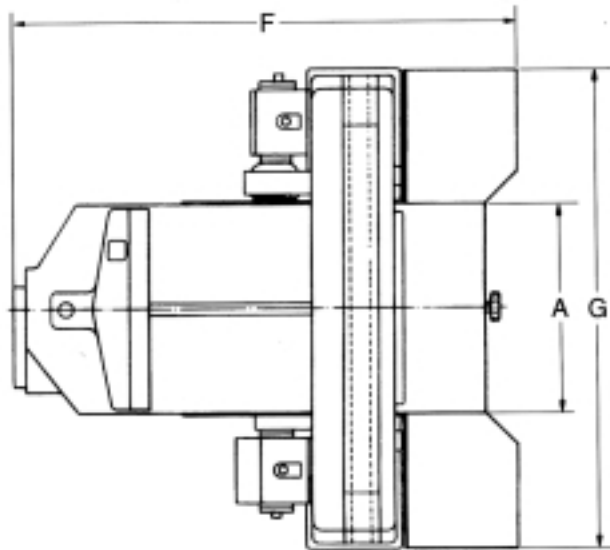
DAEHO CUTTERS

Specifications

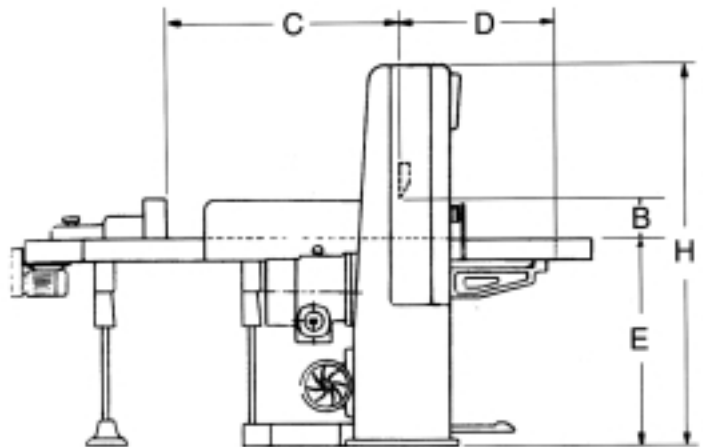
DAEHO Cutters

	1550	1320	1160	1016	860
CUTTING					
Maximum Cutting Width	A 61 ¹ / ₂ " 1550 mm	51 ³ / ₂ " 1320 mm	45 ⁴ / ₄ " 1160 mm	40" 1016 mm	33 ⁵ / ₄ " 860 mm
Maximum Clamp Opening	B 6 ¹ / ₂ " 165 mm	6 ¹ / ₂ " 165 mm	6 ¹ / ₂ " 165 mm	6 ¹ / ₄ " 155 mm	6 ¹ / ₄ " 155 mm
Feed Depth: Max.	C 61 ¹ / ₂ " 1550 mm	51 ³ / ₂ " 1320 mm	45 ⁴ / ₄ " 1160 mm	40" 1016 mm	33 ⁵ / ₄ " 860 mm
Min.	1 ⁹ / ₁₆ " 24 mm	1 ⁹ / ₁₆ " 24 mm	1 ⁹ / ₁₆ " 24 mm	1 ⁹ / ₁₆ " 24 mm	1 ⁹ / ₁₆ " 24 mm
Cutting Speed (r.p.m.)	42	42	42	42	42
Drive System	Double End Pull	Double End Pull	Double End Pull	Double End Pull	Single End Pull
Clamp Pressure	440-9921 lb 200-4500 kg	440-9921 lb 200-4500 kg	440-9921 lb 200-4500 kg	440-9921 lb 200-4500 kg	440-9921 lb 200-4500 kg
Backgauge Speed: Max.	65/26 ¹ / _{min} 20/8 ¹ / _{min}	26 ¹ / _{min} 8 ¹ / _{min}	26 ¹ / _{min} 8 ¹ / _{min}	26 ¹ / _{min} 8 ¹ / _{min}	26 ¹ / _{min} 8 ¹ / _{min}
Min.	3 ¹ / _{min} 1 ¹ / _{min}	3 ¹ / _{min} 1 ¹ / _{min}	3 ¹ / _{min} 1 ¹ / _{min}	3 ¹ / _{min} 1 ¹ / _{min}	3 ¹ / _{min} 1 ¹ / _{min}
Backgauge Control	Power	Power	Power	Power	Power
DIMENSIONS					
Table Space: in front of knife	D 28 ¹ / ₂ " 720 mm	27 ¹ / ₂ " 700 mm	28 ¹ / ₂ " 720 mm	25 ¹ / ₂ " 650 mm	25" 635 mm
behind knife	61 ¹ / ₄ " 1550 mm	51 ³ / ₂ " 1320 mm	45 ⁴ / ₄ " 1160 mm	40" 1016 mm	33 ⁵ / ₄ " 860 mm
Table Height	E 63 ² / ₂ " 1620 mm	63 ² / ₂ " 1620 mm	63 ² / ₂ " 1620 mm	62 ¹ / ₂ " 1590 mm	60 ¹ / ₂ " 1535 mm
Overall Length (w/side tables)	F 125 ¹ / ₄ " 3180 mm	109 ¹ / ₁₆ " 2770 mm	104 ¹ / ₂ " 2655 mm	95 ³ / ₂ " 2420 mm	80 ¹ / ₈ " 2035 mm
Overall Width	G 122 ¹ / ₁₆ " 3110 mm	103 ¹ / ₁₆ " 2640 mm	95 ³ / ₂ " 2420 mm	92 ³ / ₄ " 2350 mm	78 ¹ / ₂ " 1990 mm
Overall Height	H 63 ² / ₂ " 1620 mm	63 ² / ₂ " 1620 mm	63 ² / ₂ " 1620 mm	62 ¹ / ₂ " 1590 mm	60 ¹ / ₂ " 1535 mm
Net Weight (approximate)	12,125 lbs 5,500 kg	10,582 lbs 4,800 kg	9,259 lbs 4,200 kg	8,796 lbs 3,990 kg	5,379 lbs 2,440 kg
Shipping Weight (approximate)	13,184 lbs 5,980 kg	11,052 lbs 5,013 kg	10,135 lbs 4,597 kg	9,615 lbs 4,361 kg	6,050 lbs 2,744 kg
ELECTRICAL					
Power:					
Main Motor	5.5 kw	3.75 kw	3.75 kw	3.75 kw	3.75 kw
Backgauge	1 kw	0.4 kw	0.4 kw	0.4 kw	0.4 kw
Air Table	0.5 kw	0.5 kw	0.5 kw	0.5 kw	0.5 kw
Motor	7.5 H.P., 208/230 Volts 60 Hz, 3 Phase AC, 50 Amps Service size 60 Amps	5 H.P., 208/230 Volts, 60 Hz, 3 Phase, AC, 25 Amps Service size 30 Amps. (standard configuration)			

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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Dimensions in table above correspond to letters in illustration



For information on this and other Challenge products, call your local Challenge dealer or for the dealer nearest you contact:
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