TORNADO AUTOPUNCH EX®

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the BindRite™ dealer network

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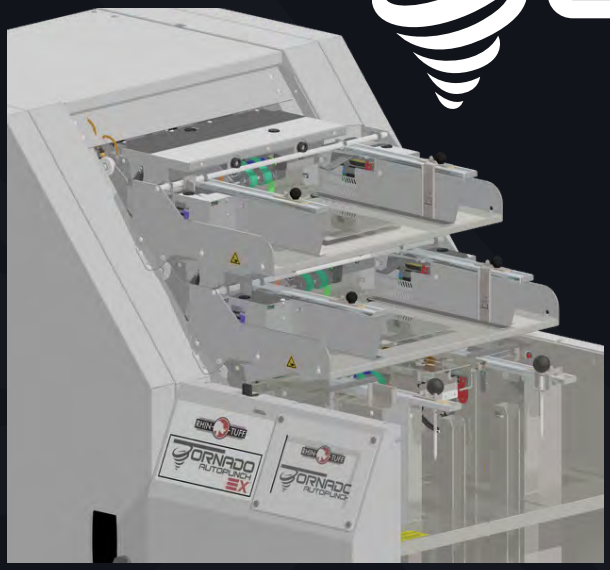
TORNADO AUTOPUNCH EX®



STREAMLINING EFFICIENCY THROUGH AUTOMATED PUNCHING AND COLLATION

INCREASED EFFICIENCY AND COST SAVINGS

The Tornado Autopunch EX® significantly reduces labor requirements by automating the collating and punching steps. This translates to substantial cost savings for businesses, with the potential to reduce the workforce by 50%.

UNMATCHED EFFICIENCY WITH COLLATION

The Tornado Autopunch EX® sets itself apart from other autopunch machines by offering a built-in collation feature. Unlike competing solutions, the Tornado Autopunch EX® streamlines more of the finishing process by automating both collating and punching steps.

EXPERT SPOTLIGHT

"THE COLLATING FEATURE IS A HUGE LABOR-SAVING COST BENEFIT. THE LABOR-SAVING FEATURE IS VITAL IN TODAY'S TIMES, LABOR COST INFLATION, BUT EVEN MORE SO, LABOR AVAILABILITY!!!!!"

AL BOESE | EXECUTIVE DIRECTOR
BINDRITE DEALERS ASSOCIATION

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TORNADO AUTOPUNCH EX®

TURN PRODUCTIVITY INTO PROFITABILITY

1 Error-Free Finishing Process

By automating the collating and punching steps, the Tornado Autopunch EX® eliminates the risk of manual errors during the assembly of book components. Businesses can ensure that every book is accurate and consistent throughout, improving overall quality and customer satisfaction.

2 Streamlined Workflow Management

The Tornado Autopunch EX® improves workflow management, particularly for time-sensitive projects. It enables businesses to handle high-demand periods more efficiently, meeting deadlines and delivering high-quality finished products promptly.

3 Versatile and Efficient Processing

With the Tornado Autopunch EX®, businesses can process a wide range of media and book components more efficiently. It eliminates the challenges associated with manual insertion, enabling concurrent printing, punching, collating and binding for faster production processes.

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FEATURES

World's First Automated Collating Punch

A single near-line automated collation and punching platform to meet the needs of your on-demand print environment with a quick return on investment.

Advanced Media Handling Technology

Powered by BDT's patented Tornado Technology to separate, lift and transport the widest range of media, including printed media and other book components like covers, tabs and inserts reliably minimizing downtime.

Automated Interposing of Covers/Index Tabs/Inserts

Interposer Bins holds book media, auto-collating front/back covers, inserts and index tabs into the book stack during punching. No manual collation required. Machine can also be run in collate-only mode.

Paper Accumulation Technology

Designed to accumulate covers, tabs and document sheets and auto-adjust the punch lifts depending on the type of media being run for maximum punching performance.

"THE MACHINE DOESN'T MAKE MISTAKES - THE CONFIDENCE LEVEL IS THERE THAT IF THE 1ST BOOK AND LAST BOOK ARE CORRECT, EVERYTHING IN THE MIDDLE IS RIGHT!"

CHAD SIMPSON, PRODUCTION MANAGER | EBR GRAPHIC ARTS

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PATENT-PENDING PAPER ACCUMULATOR

Designed to accumulate covers, tabs and document sheets and auto-adjust the punch lifts depending on the type of media being run for maximum punching performance.

PATENTED BDT TORNADO MODULES

The Tornado Technology lifts, separates, & transports the widest range of media from 60 – 312gsm, including light porous/heavy coated print media and specialty binding like plastics, vinyl, and textures.

DUAL INTERPOSER BINS

Load front covers, back covers, index tabs or inserts into the interposer bins for auto-collation & punching into your book stacks.

ULTRASONIC DOUBLE-PICK SENSOR TECHNOLOGY

Transponder and receiver use ultrasonic waves to evaluate media and detect double-picks or multi-sheet overlaps with absolute reliability.

7" TOUCHSCREEN DISPLAY

Programmable LCD touchscreen enables easy job set-up, job recall and system monitoring. Software updates can be made via USB drive.

HEAVY DUTY PUNCH WITH INTERCHANGEABLE DIE SETS

Proven Rhin-O-Tuff technology punches up to 10,800 sheets per hour, improving throughput. Die sets available in all popular punch patterns for US/INTERNATIONAL paper sizes. Die set pins are removable and include an RFID chip for maintenance tracking.

HIGH-CAPACITY MAIN BIN FEEDER

Accommodates up to 2500 sheets of media* run on digital and offset printers.

CHIP BIN WASTE ALERT & DIE SET STORAGE

LCD displays and alert when the chip tray bin is full. Operators can view chip bin through the plexi-glass window. Inside the door is storage for 2 additional die sets.

OFFSET STACKER

Offset stacker holds up to 2700 sheets and offsets each book from each other for increased efficiency allowing operator to start the binding process sooner, saving time and labor.

ELIMINATE 4 MANUAL STEPS

1. NO MANUAL COLLATION OF COVERS, INDEX TABS AND INSERTS
2. NO MANUAL PUNCHING OF COVERS, INDEX TABS OR INSERTS
3. NO MANUAL SEPARATION OF BOOK STACKS AFTER PUNCHING
4. NO MANUAL PAPER LIFT PUNCHING

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TORNADO AUTOPUNCH EX SPECIFICATIONS

7" TOUCHSCREEN DISPLAY	7" (178MM) TOUCH FUNCTION COLOR DISPLAY. JOB SET-UP & MONITORING: QUICK START MODE, PRESET MEDIA TYPES, JOB STATUS. DISPLAYS PUNCH/DIE CYCLE COUNT AND CHIP BIN STATUS.
SHEET SIZES	PUNCHED EDGE: 8.27" (210MM) TO 12" (305MM) UNPUNCHED EDGE: 5.5" (139.7MM) TO 12.5" (317.5MM) INDEX TABS: UP TO 1/2" (12.7MM) TAB EXTENSION
MEDIA	60 - 312 GSM INCLUDING: UNCOATED BOND PAPER, TEXT/OFFSET COATED PAPER PAPER, PLASTIC (ACETATE/PVC) & VINYL COVERS/TABS *PLASTIC MEDIA MUST BE RUN FROM AN INTERPOSER BIN ONLY
INTERPOSER CAPACITY	UP TO 1" (25MM) OF COVERS/INDEX TABS/INSERT SHEETS
MAIN BIN CAPACITY	UP TO 2500 SHEETS OF 75GSM (20LB.) BOND
PUNCHING SPEED	UP TO 10,800 SHEETS PER HOUR!
INTERCHANGEABLE DIE SETS	LETTER (US) AND A4 (INTL) FORMATS IN 9 BINDING STYLES
OFFSET STACKER	UP TO 2700 SHEETS OF 75GSM (20LB.) BOND
WEIGHT **DIMENSIONS** **VOLTAGE**	APPROX. 700LBS (317.5 KGS) 29.5" (750MM) WIDTH | 50.3" (1279MM) DEPTH | 57.7 (1466MM) HEIGHT 115 VOLT 60 HZ | 230 VOLT 50 HZ
WARRANTY	1-YEAR LIMITED WARRANTY

DIE SET SPECIFICATIONS

DIE SET STYLES	19/21 HOLE PLASTIC COMB 4:1 COLOR COIL - ROUND AND OVERSIZED OVAL HOLE (.2475" OR 6MM) 3:1 TWIN LOOP WIRE - SQUARE AND ROUND HOLE 2:1 TWIN LOOP WIRE - SQUARE AND ROUND HOLE 11/12 HOLE VELOBIND LOOSE-LEAF - 3-5-7 HOLE AND 2-HOLE MEDICAL (8.5" SIDE) LOOSE-LEAF - A4 2-4 HOLE
RFID CHIP	DISPLAYS DIE SET TYPE IN LCD SCREEN TRACKS/DISPLAYS # OF PUNCH CYCLES/DIE SET
DISENGAGEABLE PUNCH PINS	PINS PULL OUT FOR VARYING PAPER SIZES
STORAGE	INTEGRATED STORAGE FOR UP TO 4 EXTRA DIE SETS

***Mixed media includes bond paper, text, covers, index tabs that are plain or coated from 60gsm – 312gsm. Plastic media of any type (PVC, Linear Polyethylene, Polypropylene, etc.) must be run using one of the 2 Interposer Bins on the Tornado Autopunch EX. Plastic media cannot be run mixed with other media from the high-capacity main bin.**