

RHIN-TUFF®



The Rhin-O-Tuff® Tornado Autopunch EX is an industry breakthrough system that uses BDT Print Media's advanced media handling technology to automatically feed, collate, punch and deliver offset book stacks ready for binding in a single platform.

The system will save binding service providers an average of 40% in process efficiency, dramatically reducing overall costs. Handling the widest range of media in the industry, the system delivers unparalleled flexibility and enables concurrent binding operations. Perfect for on-demand, short runs the system includes easy programmable job set-up, monitoring and changeovers.



Rhin-O-Tuff Tornado Autopunch EX's Unique Features and Benefits

World's First Automated Collating Punch using Patented BDT Tornado Technology

A single off-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.

Widest Media Range in the Industry

The system handles media from 60gsm – 312gsm, including light porous/heavy coated print media and specialty binding media like plastics, vinyl, and textures.

Automated Interposing of Covers/Index Tabs/Inserts

Two Interposer Bins hold up to .75" (19mm) of media, auto-collating front/back covers, inserts and index tabs into the book stack prior to punching. No manual collation required.

Accommodates Mixed Media Run on Digital/Offset Printers

High-Capacity Main Bin holds up to 2500 sheets, including mixed media*.

"Patent-Pending" 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.

Heavy-Duty Auto-Punch Technology

Proven Rhin-O-Tuff technology punches up to 10,800 sheets per hour, improving throughput.

Offset Book Stacks Ready for Binding

Book stacks exit collated and ready for binding, enabling operator's to start the binding process while the punching job is still running, saving time and labor.



TURN PRODUCTIVITY INTO PROFITABILITY

The NEW Rhin-O-Tuff Tornado Autopunch EX® allows you to punch up your productivity and profits by reducing labor-intensive finishing steps from 5 to 1!



Eliminate 4 Manual Steps

- ✓ No manual collation of covers, index tabs and inserts
- ✓ No manual punching of covers, index tabs or inserts
- ✓ No manual paper lift punching
- ✓ No manual separation of book stacks after punching - no color slip-sheets by book/section required when printing

MACHINE SPECIFICATIONS

Tornado Autopunch EX®	Specifications
7" Touchscreen Display	7" Touch function color display Job Set-up and Monitoring : Quick Start Mode, Preset Media Types, Job Status Displays Punch/Die cycle count and Chip Bin Status
Sheet Sizes	Punched Edge: 8.27" to 12" Unpunched Edge: 5.5" to 12.5" Index Tabs: Up to 1/2" tab extension
Media	60gsm – 312gsm including: Uncoated Bond Paper, Text/Offset Coated Paper Paper, Plastic (Acetate/PVC) and Vinyl Covers/Tabs <i>*Plastic media must be run from an Interposer Bin only.</i>
Interposer Bin Capacity	Up to .75" of Covers/Index Tabs/Insert Sheets
Main Bin Capacity	Up to 2500 sheets of 20lb. bond
Punching Speed	Up to 10,800 Sheet per Hour based upon 20lb. bond
Interchangeable Die Sets	LETTER (US) and A4 (INTL) formats in 9 Binding Styles
Offset Stacker	Up to 2100 sheets of 20lb bond
Weight/Dimensions/ Voltage	770 Lbs 28" Width x 59" Depth x 59" Height 115 Volt 60 Hz
Warranty and Safety	1-Year Limited Warranty/ UL-CSA Approval

DIE SET SPECIFICATIONS

Tornado Autopunch EX® Die Sets	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
Machine 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.*