

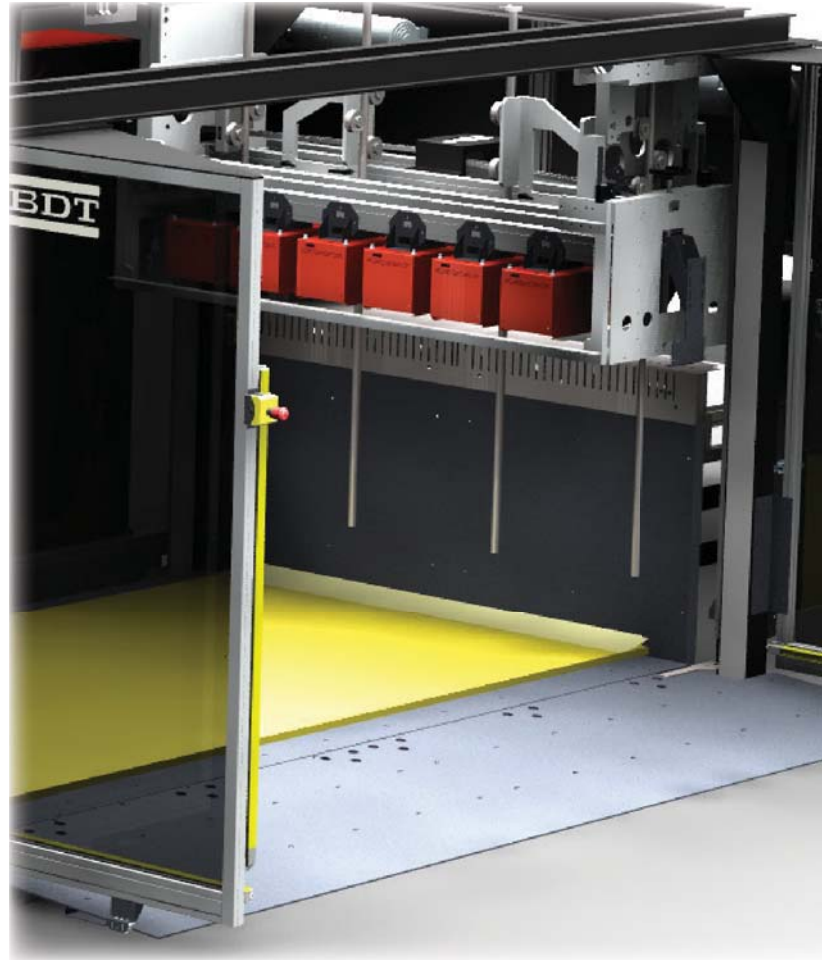
/// AUTOMATIC LOADING & ALIGNMENT SOLUTIONS

BDT's automatic Wide Format loading & alignment solutions are based on the innovative BDT Tornado Technology.

Using the price competitive turn-key Wide Format solutions you achieve

- optimized production operations by significantly increasing your production time and improving the operational efficiency of your equipment
- improved serviceability

resulting into a significant growth of your business.



/// YOUR BENEFITS

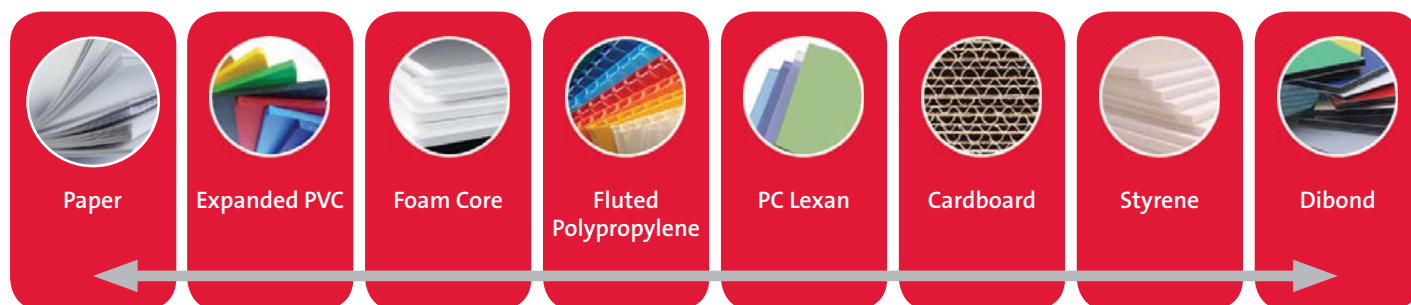
- Automatic Wide Format Loader with high level of ergonomics for load, unload, replenishment & easy access
- High reliability over the widest media range in the industry - breakthrough performance on paper, light porous & specialty media, cartons and corrugated material
- Lowest risk of marking on substrates
- Increased productivity for media reloading - Set-up within 5 minutes
- Expandable Platform Technology supporting Multi-Pass and Single-Pass Solutions
- No mechanical adjustments needed for all feed modes and media formats
- Increased productivity with gap control, best delivery accuracy and retrieval of saved media settings
- Turnkey and intuitive operation
- Easy to connect and disconnect - Advanced diagnostics on board including Touchpanel, Open TCP/IP interface

simplify your change

/// MEDIA & PRODUCT INFORMATION

The vast range of substrates comprises

- **light flexibles**
such as paper or foil
...
- **light rigids**
such as foam core
...
- **heavy rigids**
such as dibond or plywood
...



Wide Format Loaders suitable for

Multi Pass (MS) Applications

WFL 1.8 x 1.8 MP
WFL 2.5 x 1.8 MP
WFL 3.2 x 1.8 MP

Single Pass (SP) Applications

WFL 1.8 x 1.8 SP
WFL 1.8 x 3.2 SP

| | | | Multi Pass (MS) Applications | Single Pass (SP) Applications |
|--------------------------------|---------------------------------|---------------|--|--|
| Media | Width (cross direction) | up to min. | 3.200 mm / 126" 420 mm / 16.5" | 1.800 mm / 71" 420 mm / 16.5" |
| | Length (feed process direction) | up to min. | 1.800 mm / 71" ¹ 420 mm / 16.5" | 3.200 mm / 126" 420 mm / 16.5" |
| | Stack height | up to | 650 mm / 25.6" ² | 800 mm / 31.5" ² |
| | Weight | | > 130 gsm ³ < 1500 gsm | > 130 gsm ³ < 1500 gsm |
| | Thickness | | 0,13 up to 51 mm / 0.005 up to 2" | 0,13 up to 51 mm / 0.005 up to 2" |
| | Curvature | up to | 40 mm / 1.6" | 40 mm / 1.6" |
| Board weight | for automatic loading | | < 20 kg / 44.1 lb | < 20 kg / 44.1 lb |
| Feed rate | | up to | 500 boards/h ⁴ | 3.750 boards/h (C Flute Cardboard with 1,8 x 1 m) |
| Side alignment accuracy | with single board | | ± 0,1 mm / 0.004" ⁵ (display 1,2 x 0,8 m, 1.000 g) | ± 0,1 mm / 0.004" ⁵ (display 1,2 x 0,8 m, 1.000 g) |
| Job set-up time | pallet loading > set-up > start | | <5 min | <5 min |

¹ Longer media on request

² Based on machine interface height of 1 m. Different heights on request

³ On request

⁴ Based on media format

⁵ Based on media quality

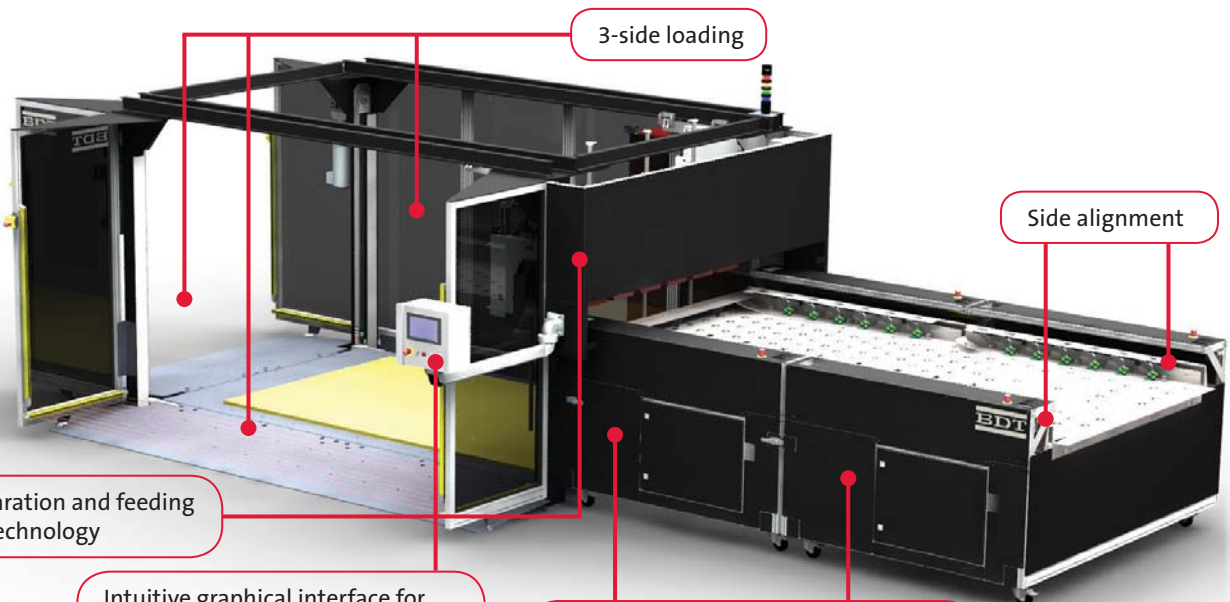
/// FEATURES

/// STANDARD

- Patented Tornado Suction Technology
- High End Tornado Modules TDM 1000
- Easy and ergonomic loading plus multiple access for loading and handling
- Multiple job modes:
Batch / Continuous feed / Single feed
- Contactless stack position sensor
- Optical sensor for paper path
- 1 up side registration
- Adjustable edge alignment
- Dynamical gap control
- Auto recovery
- Emergency stop, power interlock and line filter
- Ready to go media parameter setup and option for own parameter setting
- Control, service and diagnostic features
- TCP/IP host control interface
- Touch panel

/// OPTIONAL

- High speed option & feed rate upgrade packages
- Light and heavy weight option packages
- Manual loading
- Floor standing plate
- Multiple side access for loading from up to three sides
- Front alignment
- Two up side registration
- Ultrasonic double sheet detector
- Web host control interface (I/O based, CAN based interface)





/// YOUR CONTACT

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