

TECHNICAL DATA SHEET

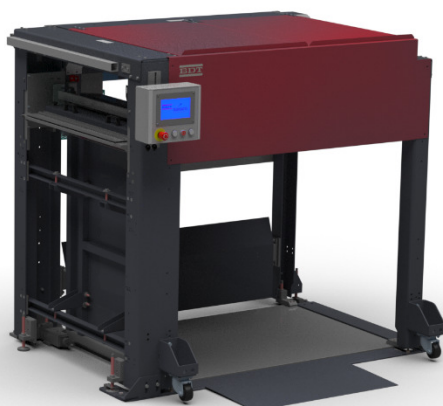
/// TPF 780 - 1280 PT Feeder

Revision 03 /// 26 March 2021

INTRODUCTION

This datasheet provides key technical parameters for BDT's
TPF 780 - 1280 PT Feeder

The TPF 780 - 1280 PT Feeder is designed specifically to address the challenges of the wide media range to be handled in the digital print, packaging and post-press industry. Using BDT's Tornado technology, the widest range of media types, surfaces and format geometries can be handled automatically with no media specific mechanical adjustments, and no compressed air.





/// Imprint

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Revision 02 – Thomas Wenz – Business Unit PM & Sales Print Media Handling
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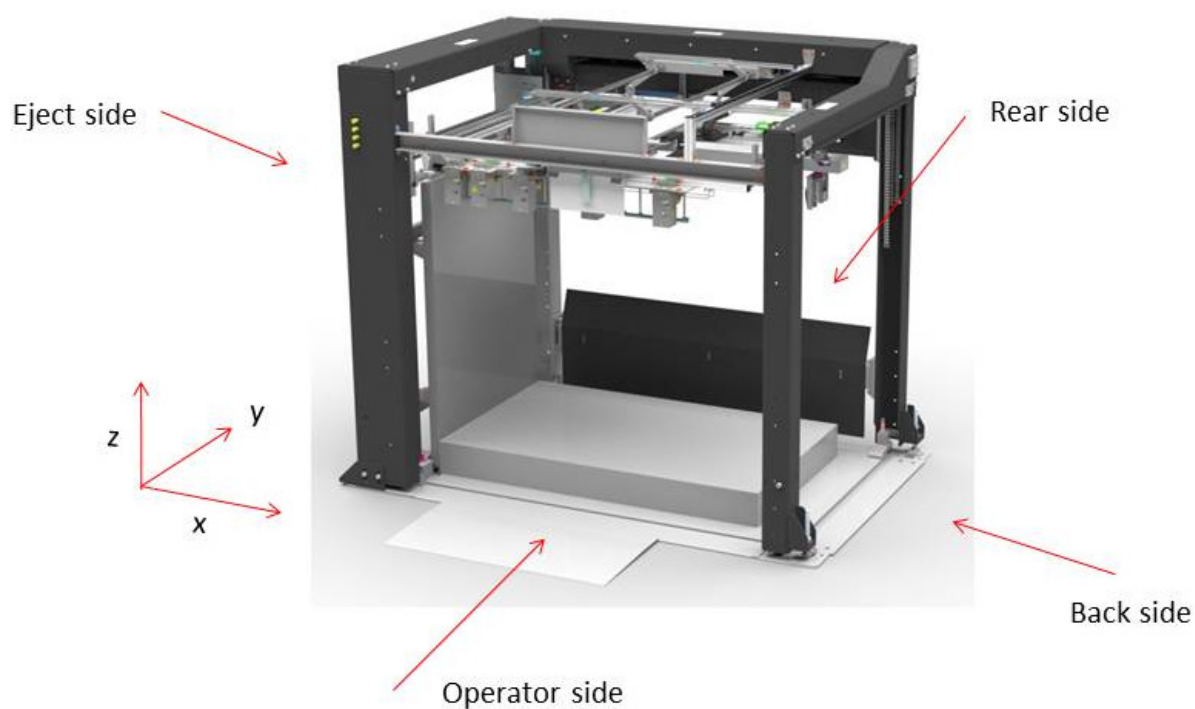
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BASIC PRODUCT DIMENSIONS

Length	1900 mm
Width	1760 mm
Height	1620 mm
Media eject height	1200 mm





MASS

TPF 780 - 1280 PT Feeder

approx. 850kg

TRANSPORT SPEED (Host Process)

In current applications : up to 3,0 m/s

Speed is adjustable in a range to: 0-3,0 m/s

Max. acceleration (+/-) of the Tornado belt drive: up to 2 m/s²

THROUGHPUT (rating @ 250gsm paper weight)

12.000 sheets / hour (B2) / landscape

6.000 sheets / hour (B1) / portrait

NOISE LEVEL (rating @ 250 gsm paper weight, B1 format)

Depending on the required Tornado/Sideblower impeller speed, from approx. 80 dB (A) to 80 dB (A)

OPERATING CONDITIONS

Temperature range: 15°C – 32°C

Humidity range: 25% - 75% R.H. (no condensation)

System is designed for low dust environments. Special applications / environmental conditions should be tested and proven by the customer.



MEDIA HANDLING

Graphics/Publishing	Coated Uncoated Offset Specialty Label stock	Perforated Plastic film Recycled Microflutes Corrugated Others
Max. media width orthogonal to transport	780mm	
Min. media width orthogonal to transport	355/544mm ¹	
Max. media length in direction of transport	1290mm	
Min. media length in direction of transport	340mm	
Guideline min. media weight (uncoated)	80gsm	
Guideline max. media weight (uncoated)	650gsm	
Media thickness	up to 1500 microns	
Min. stack height	900mm	

CURL HANDLING SPECIFICATION

The TPF 780 - 1280 PT Feeder can handle a upwards and downwards curl of 30mm in both transport and cross direction of media.

¹ Two configuration available



PREVENTIVE MAINTENANCE

Design Lifetime of Tornado and Side Blower Modules is designed for one year (24/7/365) of nonstop production, or approx. 8700 operating hours under specified environment (21 °C / 50% R.H.) without maintenance.

Depending on the transported media and the operating environment, it may be necessary to clean the transport belts in case of a build-up of dust or dirt on the belts, as this may affect the maximum transport speed / acceleration. All optical sensors need to be cleaned on a regular basis according to the instruction in the user & service manuals.

CERTIFICATES

The TPF 780 - 1280 PT Feeder is certified with the CE and UL declaration. Further certificate requirements are available upon request.

- RoHS – compliant materials is the design target
 - CE/UL compliant materials and design – Declaration of Incorporation on request.
- Information about materials safety certificates can be supplied on request.

ELECTRICAL REQUIREMENTS

The TPF 780 - 1280 PT Feeder standard has a three phase main connection.

Input voltage: 200 - 240VAC +/- 10% (3 phases+N+PE)

(Internal Voltages are synthesized by the Feeder)

Frequency: 47 / 63 Hz

Input current: max. 6 A AC / 200 - 240 V AC

Back up fuse: 16 A

Leackage current: < 40 mA



CONTROL LOGIC

The TPF 780 - 1280 PT Feeder features the following interface modes:

- TCP / IP Interface mode
- Digital I/O Interface mode



Revision history

Technical Data Sheet for:

TPF 780 - 1280 PT Feeder

Revision	Release Date	Name	Description
01	03.11.2017	Marc Steinhilber	Initial revision
02	17.08.2018	Thomas Wenz	New pictures, change product name and formatting
03	26.03.2021	Benita Thieringer	Added new logo