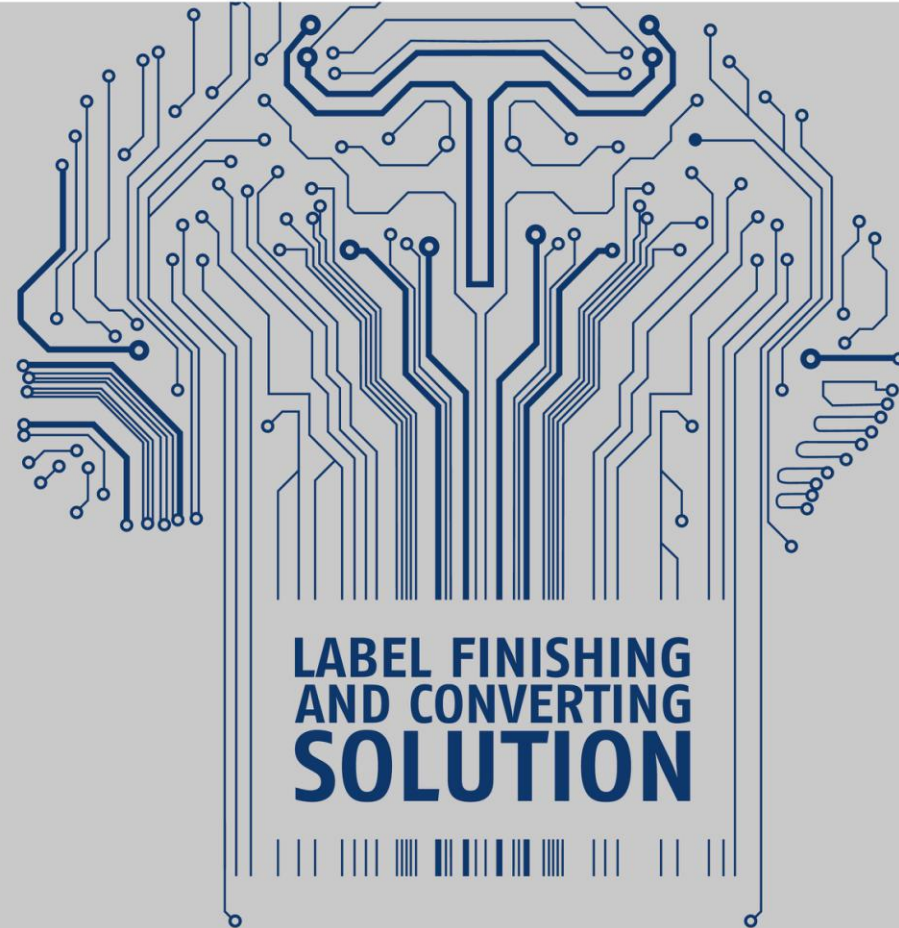




VERSION 1.3



LABEL FINISHING AND CONVERTING SOLUTION

Brotech

HP Indigo Global Partner

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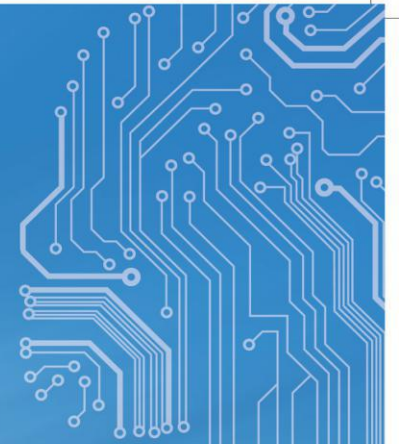
Brotech

HIGH PRECISION
HIGHER SPEED
HIGHER QUALITY
HIGHER EFFICIENCY

Brotech's systems are designed not only for normal pressure sensitive labels, but also for EAS, RFID, IML, tickets and tags, and new solutions for booklet labels. Brotech has become one of the leading digital finishing system suppliers in the world, developed full line of digital finishing systems which are dedicated for digitally printed labels.



With years of dedicated technical and market development, Brotech Graphics Co.,Ltd has become the market leader in the section of label finishing & converting, and quality inspection for narrow web printing market. Brotech's innovative fully modular designed unit enables label printers to design their own systems for finishing and converting applications!



HP INDIGO GLOBAL PARTNER

NEW SDF 330/420/520

*New! SDF Digital Label
Converting & Finishing System*



TECHNICAL SPECIFICATIONS

Model	NEW SDF330	NEW SDF420	NEW SDF520
Max web width	340mm	430mm	530mm
Max unwind diameter	800mm	800mm	800mm
Max rewind diameter	700mm	700mm	700mm
Max die cutting width	330mm	420mm	520mm
Max semi-rotary die cutting speed	60m/min	60m/min	60m/min
Max semi-rotary repeat length	457mm	457mm	457mm
Max mechanical speed	120m/min	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm	±0.15mm
Power Consumption	39kw	39kw	51kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	77A	77A	100A
Machine weight	3T	3.5T	4T

DESCRIPTIONS

The new Brotech SDF has become the industry's most demanded label converting and finishing system. The machine is totally servo driven featuring semi rotary to full-rotary flexo print unit, semi-rotary to full rotary die cutting unit featuring pre registration. The SDF is modular in design and can be reconfigured as the nature of your changes. Suitable for short, medium and long runs of all descriptions. The SDF is easy to operate, provides high efficiency and precision, and has a fast ROI for economy.

FUNCTIONING UNITS

Full Rotary/Semi Rotary Flexo Unit:

The patented "on the fly" feature provides easy operator exchange between full rotary and semi-rotary print. Also provides extended print repeat range for spot varnishes and custom drop in colors. As well.

Full Rotary /Semi-Rotary Die Cutting :

Patented "on the fly" operator quick and easy exchange between full rotary and semi-rotary die cut mode. Equipped with magnetic flex dies or solid dies.



New Semi-Rotary Flexo



Semi-Rotary Die Cutting



Rewind



Slitting



Web Guiding System

FEATURES & ADVANTAGES

1. Fully automatic servo driven flexo unit is exchangeable between full rotary and semi-rotary, flexo printing, spot varnishes cold foil, lamination, and super varnish. UV dryer with chill roll to keep stable tension and steady temperature at all speeds for film applications.
2. Servo driven die cutting unit is with automatic registration system, can be exchanged between full rotary and semi-rotary mode. The SDF can use magnetic flex dies or solid cylinders, high precision and easy to operate.
3. Optional hot air dryer can be installed for water-based primer, coating, lamination...etc.
4. Optional movable standard conveyor or IML conveyor for sheeted label collection.
5. Movable HMI operator control



Hot Air Dryer



IML



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security. The SDF can run ALL label varieties.



SUBSTRATES

Standard material is thickness 35~250um of film/ paper/adhesive material/light carton board paper, other special materials need to be tested at Brotech facility.



CDF 330/420

CDF Digital Label Finishing System



TECHNICAL SPECIFICATIONS

Model	CDF 330	CDF 420
Max web width	340mm	430mm
Max unwind diameter	700mm	700mm
Max rewind diameter	700mm	700mm
Max die cutting width	330mm	420mm
Max semi-rotary die cutting speed	60m/min	60m/min
Max semi-rotary repeat length	457mm	457mm
Max mechanical speed	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm
Power Consumption	25kw	25kw
Air supply	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE
Rated current	43A	43A
Machine weight	2.5T	3T

DESCRIPTIONS

The CDF is perfect cost effective multi functional digital label converting system on the market today. This all servo driven full rotary flexo and semi-rotary die cutting. The standard CDF features offer flexo printing, spot varnish, super varnish, cold foil, lamination, full/semi die cutting, slitting, and dual product rewind. Complete with a high grade UV system, it is easy and convenient to operate and greatly reduces waste.

FUNCTIONING UNITS

Standard Features:

Full rotary flexo unit , for printing, spot varnish, super varnish, cold foil, lamination.

Semi/Full rotary die cutting unit, Waste Rewind, Slitting and Dual Product Rewind

Suitable for magnetic or solid cylinder.



Die Cutting



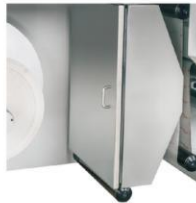
Flexo unit with cold foil



Touch Panel

FEATURES & ADVANTAGES

1. Fully automatic servo driven flexo unit, for flexo printing, cold foil, lamination, varnish and super varnish. UV dryer with chill roll to keep stable tension and steady temperature at all speeds.
2. Servo driven die cutting unit is with automatic registration system, can be exchanged between full rotary and semi-rotary mode. Suitable for die cutting short or medium-long size label, especially for digital printed labels.
3. Hot air dryer can be installed for water-based primer, coating, lamination...etc upon client request.



Hot Air Dryer



IML

All digital print finishing
Electronics, cosmetics, packaging, pharmaceutical,
transportation, toys, logistics, garments, security.



SUBSTRATES

Standard material is thickness 35~250um of film/paper/
adhesive material/light carton board paper,
other special materials will need to be tested at Brotech facility.



CDF PLUS 330/420

*CDF PLUS Digital Finishing System
Featuring Sheeting and Stacking*



TECHNICAL SPECIFICATIONS

Model	CDF PLUS 330	CDF PLUS 420
Max web width	340mm	430mm
Max unwind diameter	700mm	700mm
Max rewind diameter	700mm	700mm
Max die cutting width	330mm	420mm
Max semi-rotary die cutting speed	60m/min	60m/min
Max semi-rotary repeat length	457mm	457mm
Max mechanical speed	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm
Power Consumption	28kw	28kw
Air supply	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE
Rated current	50A	50A
Machine weight	2.5T	3T

DESCRIPTIONS

The CDF Plus multi-functional updated version of CDF label converting system. While providing full rotary flexo printing, varnish, super varnish, cold foil, lamination, semi-rotary die cutting, slitting, dual product rewind, the CDF Plus also comes with a sheeting and conveyor stacking capability.

FUNCTIONING UNITS

Full rotary flexo unit:

for flexo printing, varnish, super varnish, cold foil, lamination.

Semi-rotary die cutting unit:

quick and easy to exchange between full rotary and semi-rotary mode. Suitable for magnetic or solid cylinder.

Sheeting:

Automatic servo driven, no need to change sheeting tools for variable sheeting jobs.

Conveyor:

Standard or special IML conveyor, movable and adjustable for different collection height and speed.



Flexo unit with cold foil

Sheeting

Die Cutting

IML

Air suction unit for IML

FEATURES & ADVANTAGES

1. Fully automatic servo driven flexo unit, for flexo printing, cold foil, lamination, varnish and super varnish. UV dryer with chill roll to keep stable tension and steady temperature at all speeds.
2. Servo driven die cutting unit is with automatic registration system, can be exchanged between full rotary and semi-rotary mode. Suitable for die cutting short or medium-long size, especially for digital printed labels.
3. Hot air dryer can be installed for water-based primer, coating, lamination, upon client request.
4. Sheeting Station with Conveyor Stacker.



star wheel stacker



All digitally printed materials where roll to roll and roll to sheet capability is required. Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security.



SUBSTRATES

Standard material is thickness 35~250um of film/paper/ adhesive material/light carton board paper, other special materials need to be tested at Brotech facility.

DF800

Digital Packaging and Label
Converting & Finishing System



TECHNICAL SPECIFICATION

Model	DF800
Max. web width	800mm
Max.unwind diameter	800mm
Sheeting tolerance	±0.3mm
Sheeting length	500 -1100mm
Sheeting width	800mm
Max.sheeting speed	50m/min
Max.mechanical speed	50m/min
Substrate GSM	100-250gsm
Power consumption	14 kw
Air supply	8 bar
Power voltage	3 PH+N+PE
Current	42A
Machine weight	2.5T

DF800

Digital Packaging and Label Converting & Finishing System



The Brotech DF800 is specially designed for converting and finishing digital packaging printing products quickly and economically. Its modular design, fully servo driven tension control system, and intelligent HMI interface, make this unit suitable for small and medium orders. The DF800 can be used for any offline or inline finishing process. Features include lamination, UV varnishing, coating, slitting, sheeting and stacking. The DF 800 is the perfect finishing answer when connected inline with HP20000 digital printing system. The HP 20000 is widely used for flexible packaging, packaging lamination, advertisement, gift wrap, wall paper, decorative paper, photography, publishing etc.



HP Indigo Global partner

HP20000



DF 330/420/520

*DF Modular Digital Label
Converting & Finishing System*



TECHNICAL SPECIFICATIONS

Model	DF 330	DF 420	DF 520
Max web width	340mm	430mm	530mm
Max unwind diameter	800mm	800mm	800mm
Max rewind diameter	700mm	700mm	700mm
Max die cutting width	330mm	420mm	520mm
Max semi-rotary die cutting speed	60m/min	60m/min	60m/min
Max semi-rotary repeat length	457mm	457mm	457mm
Max mechanical speed	120m/min	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm	±0.15mm
Power Consumption	25kw	25kw	33kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	42A	42A	55A
Machine weight	3T	3.5T	4T

DESCRIPTIONS

The DF Modular system is a totally servo driven finishing system. It features full-rotary flexo print units, Semi-rotary die cutting slitting and dual product Rewind. The DF is a fully modular system allowing for added capability when required. It is suitable for short, medium, long run jobs, especially for digital printed labels. It also features a short web path footprint for waste.

FUNCTIONING UNITS

Full rotary flexo unit:

for flexo printing, varnish, super varnish, cold foil, lamination.

Semi-rotary die cutting unit:

quick and easy to exchange between full rotary and semi-rotary mode, equipped with magnetic or solid cylinder to die cut short or medium-long size labels, especially digital printed labels.



UV Flexo



Semi-Rotary Die Cutting



Movable Touch Panel

FEATURES & ADVANTAGES

1. Fully automatic servo driven flexo unit, for varnish, super varnish, spot varnish, cold foil, lamination (self wound and liner). UV dryer with chill roll to keep stable tension and steady temperature at all speeds.
2. Servo driven die cutting unit with automatic pre-registration system, can be switched between full rotary and semi-rotary mode. Can use magnetic or solid cylinders, high precision and easy to operate.
3. Optional hot air dryer can be installed for water-based primer, coating, lamination...etc.
4. Optional movable standard conveyor or IML conveyor for sheeted label collection.
5. Movable HMI operator control panel



Hot Air Dryer



IML

Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security, virtually all applications where finishing is needed.



SUBSTRATES

Standard material is thickness 35-250um of film/paper/ adhesive material/light carton board paper, other special materials need to be tested at Brotech facility.

MF 330/420/520

MF Label Converting & Finishing System



TECHNICAL SPECIFICATIONS

Model	MF 330	MF 420	MF 520
Max web width	340mm	430mm	530mm
Max unwind diameter	700mm	700mm	700mm
Max rewind diameter	700mm	700mm	700mm
Max die cutting width	330mm	420mm	520mm
Max mechanical speed	150m/min	150m/min	150m/min
Die cutting registration tolerance	±0.15mm	±0.15mm	±0.15mm
Power Consumption	25kw	25kw	33kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	42A	42A	55A
Machine weight	2.5T	3T	3.5T

DESCRIPTIONS

Brotech's MF is a multi-functional label printing & converting system. It incorporates a fully servo driven full-rotary flexo print station and full rotary die cutting unit. It is based on a modular design and is completely reconfigurable. Suitable for short, medium-long size label production runs primarily for the digital label market.



FUNCTIONING UNITS

Full rotary flexo unit:

provides flexo printing, super varnish, spot varnish cold foil, lamination.

Full Rotary Die Cutting:

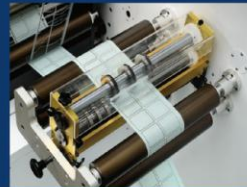
equipped with magnetic or solid cylinder to die cut short run or medium-long repeat length labels.



UV Flexo Or Cold Foil



Die Cutting



Slitting



Rewind

FEATURES & ADVANTAGES

1. Fully automatic servo driven flexo unit. flexo printing, cold foil, lamination, spot varnish and super varnish. UV dryer with chill roll to keep stable tension and steady temperature at all speeds; Quick change of ink pan and doctor blade without tooling.
2. Servo driven die cutting unit is with automatic registration system; Suitable for die cutting short or medium-long repeat length labels. Can use magnetic or solid cylinders, high precision and easy to operate.
3. Hot air dryer can be installed for water-based primer, coating, lamination...etc.



Hot Air Dryer



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security. Capable of converting and finishing all label requirements.



SUBSTRATES

Standard material is thickness 35~250um of film/ paper/adhesive material/light carton board paper, other special materials need to be tested at Brotech facility..

DL 330/420/520

*DL multi-functional rotary die cutting system
In-Mould Label Die Cutting & Collecting Conveyor*



TECHNICAL SPECIFICATIONS

Model	DL330	DL420	DL520
Max web width	340mm	430mm	530mm
Max unwind diameter	700mm	700mm	700mm
Max rewind diameter	700mm	700mm	700mm
Max die cutting width	330mm	420mm	520mm
Max semi-rotary die cutting speed	60m/min	60m/min	60m/min
Max semi-rotary repeat length	457mm	457mm	457mm
Max mechanical speed	120m/min	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm	±0.15mm
Power Consumption	13kw	13kw	17kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	21A	21A	27A
Machine weight	2.5T	3T	3.5T

DESCRIPTIONS

Servo driven full rotary die cutting unit (full rotary or semi-rotary), updatable by modular designed; Suitable for die cutting short or medium-long size labels, roll to roll or roll to sheet. With die cutting, slitting and sheet collection, high efficient and easy to operate.

FUNCTIONING UNITS

Die cutting unit:

equipped with full rotary or semi-rotary mode, with magnetic or solid cylinder to die cut short run or medium-long size labels, especially digital printed labels.

Slitting unit:

with advanced shear slitting cylinder for precise and steady slitting, optional for shear knife slitting, razor blade slitting or crush slitting.

Conveyor unit:

Servo driven movable standard conveyor or IML conveyor for sheeted label collection, speed is adjustable with steady sectionalized control.



Die Cutting



Air suction unit for IML



IML



Slitting

FEATURES & ADVANTAGES

1. Auto/manual die cutting registration system, servo driven with magnetic or solid cylinder; High precision and reduce material waste. Can be equipped with full rotary or semi-rotary mode, with magnetic or solid cylinder to die cut short run or medium-long size labels.
2. Modular designed, updatable by adding more flexo units and die cutting units.

Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security...etc.



SUBSTRATES

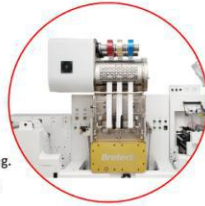
Standard material is thickness 35-250um of film/paper/adhesive material/light carton board paper, other special materials need to be tested.

SDF PLUS

Smart Modular Designed Digital Printed Label Converting & Finishing System

Flat hot stamping module

- National Invention patented 90° rotatable hot stamping head.
- National Invention patented flat bed pressing technology.
- Servo driven control foil saver, upgradable to registered holographic embossing.
- Web and cross web direction hot foil stamping.

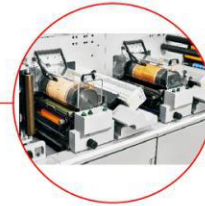


Moveable Touch Screen



Semi-Rotary Flexo Unit

- Semi-Rotary Flexo technology.
- Fast and easy change for Semi-Rotary and Full-Rotary, suitable for UV spot varnishing.
- Optional hot air dryer.



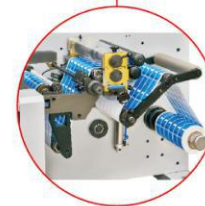
Semi-Rotary Die Cutting Unit

- Servo driven tension control.
- Magnetic cylinder or solid cylinder.
- Exchangeable between full-rotary and semi-rotary die cutting mode.



Slitting Unit

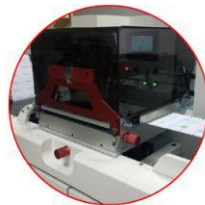
- Stable and accurate slitting.
- Optional shear knife slitting and razor blade slitting.
- Optional Delam and Relam / Turn Bar.



Rotary Silkscreen Unit (option)



Flat Bed Die Cutting (option)



Flat Bed Screen Printing (option)



De-Lamination / Re-Lamination / Turn Bar (option)

SDF PLUS

Smart Modular Designed Digital Printed Label Converting & Finishing System

SDF PLUS 330/420/520

YOUR SMART
DIGITAL PRINTING
ASSISTANT



SDF PLUS

Smart Modular Designed Digital Printed Label Converting & Finishing System

Flat bed hot stamping module

- National Invention patented 90° rotatable hot stamping head
- National Invention patented flat bed pressing technology
- Servo driven control foil saver, upgradable to registered holographic embossing.
- Web and cross web direction hot foil stamping

Full-Rotary Flexo Unit

- Servo driven tension control, quick removal of ink cassette, easy mounting of doctor blade
- Multi-function flexo unit for laminating, varnishing, cold foil or printing.

Semi-Rotary Flexo Unit

- Fast and easy change for semi-rotary and full-rotary, suitable for UV spot varnishing
- Optional hot air dryer for water base priming or varnishing.

Semi-Rotary Die Cutting Unit

- Servo driven tension control
- Magnetic cylinder or solid cylinder

Moveable Touch Screen

- Operator friendly, maximize operation efficiency

Slitting Unit

- Stable and accurate slitting
- Optional shear knife slitting or razor blade slitting.

- Optional Rotary Silkscreen Unit
- Optional Delam and Relam / Turn Bar
- Optional Laser die cutting unit
- Optional Flat Bed Screen Printing
- Optional Flat Bed Die Cutting

TECHNICAL SPECIFICATION

Model	SDF330	SDF420	SDF520
Max. Web Width	340mm	430mm	530mm
Max. Unwind Diameter	800mm	800mm	800mm
Max. Rewind Diameter	700mm	700mm	700mm
Max. Die Cutting Width	330mm	420mm	520mm
Semi-rotary Max. Speed	50 m/min	50 m/min	50 m/min
Semi-Rotary Max. Repeat Length	457mm	457mm	457mm
Flat Bed Die Cutting Max. Mechanical Speed	120m/min	120m/min	120m/min
Die Cutting Tolerance	±0.15mm	±0.15mm	±0.15mm
Air Supply	8bar	8bar	8bar
Rating Voltage	3PH+ N+ PE	3PH+ N+ PE	3PH+ N+ PE

BF330/420

ECL Booklet Label Converting System



TECHNICAL SPECIFICATIONS

Model	BF330	BF 420
Max web width	340mm	430mm
Max unwind diameter	700mm	700mm
Max rewind diameter	700mm	700mm
Max die cutting width	330mm	420mm
Max running speed	12000pieces/hour	12000pieces/hour
Die cutting registration tolerance	±0.15mm	±0.15mm
Power Consumption	17kw	17kw
Air supply	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE
Rated current	22A	22A
Machine weight	2.5T	3T

DESCRIPTIONS

The Brotech BF has been developed for the converting system roll to roll ECL label converting market sector. It is capable of complete converting and finishing of ECL booklet labels of 4 to 24 pages and 40mm-250mm in length. Brotech's patented feeder is designed to ensure stable and smooth registered feeding, quick set up time and easy to operation. Alignment is controlled with 2 belts for transfer and equipped with accurate side-position registration, suitable for the folding of a broad variety of labels.

FUNCTIONING UNITS

Feeder:

Motorized modular design feeding knife with blocks for smooth and stable feeding.

Alignment:

2 belts transfer with accurate side-position registration for folding a wide variety of labels.

Lamination:

magnetic particle clutch to control smooth unwind/rewind, max lamination roll 400mm.

Die Cutting:

Full rotary for use with magnetic or solid cylinders..



FEATURES & ADVANTAGES

Brotech's patented feeder is equipped with a strong drive motor to ensure smooth delivery and accurate registration. As well Brotech desin offers a modular designed feeding knife and blocks for smooth and stable feeding with perfect registration. A dual belt transfer system provides accurate side-position registration for folding a vast variety of labels. The all Servo driven die cutting station provides use with magnetic or solid cylinders for easy and highly efficient use and job change over.



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security, industrial/chemical/fg...etc.



SUBSTRATES

Standard material thickness 35um~250um of film/ paper/adhesive material/light carton board. Other special materials need to be tested at Brotech facility.

TR 330/420/520

TR Turret Rewind System



TECHNICAL SPECIFICATIONS

Model	TR330	TR420	TR520
Max web width	340mm	430mm	530mm
Max unwind diameter	800mm	800mm	800mm
Max rewind diameter	350mm	350mm	350mm
Min slitting width	35mm	35mm	35mm
Air shaft spindle size	25.4mm/1" 38.1mm/1.5" 76.2mm/3"		
Max mechanical speed	150m/min	150m/min	150m/min
Power Consumption	8kw	8kw	11kw
Air supply	100P.S.I	100P.S.I	100P.S.I
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	16A	16A	21A
Machine weight	1.5T	2T	2.5T

DESCRIPTIONS

Brotech's most popular turret rewind system featuring, four servo driven rewind spindles. Auto hot melt gluing system for core gluing and roll closure producing non-stop rewind. Also featuring label length or foot/meter counting. Ergonomically designed, easy to operate, improves daily efficiency and shift output while drastically reducing waste.



TECHNOLOGIES

Slitting unit:

with advanced shear slitting cylinder for precise and steady slitting, optional also include razor blade slitting or crush slitting.

Rewind unit:

4 air shaft spindles for non-stop rewind. Mandrel sizes 1"-3". Core adapters available for 4"-6" applications. Features both length and label count.

Tail Glue and Roll Closure:

2 sets of automatic hot melt gluing system for rewind.



Slitting unit



Rewind unit



Gluing unit

FEATURES & ADVANTAGES

1. High efficient four spindles are driven by imported motors; Two sets of automatic hotmelt gluing system, non-stop rewinding could be set by label length or label numbers; efficient and convenient for on-line or off line jobs.
2. Optional die cutting unit, with magnetic or solid cylinder to die cut short or medium-long size labels.



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security...etc.



SUBSTRATES

Standard material is thickness 35~250um of film/paper/ adhesive material/light carton board paper, other special materials need to be tested.

RF 330/420/520

RFID Smart Label EAS
Label Converting System



TECHNICAL SPECIFICATIONS

Model	RF330	RF420	RF520
Max web width	340mm	430mm	530mm
Max unwind diameter	700mm	700mm	700mm
Max rewind diameter	700mm	700mm	700mm
Max die cutting width	330mm	420mm	520mm
Max mechanical speed	120m/min	120m/min	120m/min
Die cutting registration tolerance	±0.15mm	±0.15mm	±0.15mm
Power Consumption	40kw	40kw	52kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	80A	80A	104A
Machine weight	2.5T	3T	3.5T

DESCRIPTIONS

The Brotech is a multi functional modular converting system designed for the production of smart labels (RFID chip insertion) security labels/cards and EAS applications. The line provides flexo print capability, varnish, spot varnish & super varnish, cold foil, chip and antenna insertion, delam/relam, lamination, die cutting, slitting, rewinding. This highly efficient machine provides the ultimate in registration accuracy and production. The unit generates no waste or wasted/crushed antennas or chips. Clearly the leader and suitable for the high end security label logistics packaging industry!

FUNCTIONING UNITS

Full rotary flexo:

can do flexo printing, varnish, super varnish, cold foil, lamination.

Feeding&labelling:

With special feeder or high precision label inserter for inserting, then labelling.

Die Cutting /Sheeting:

equipped with magnetic or solid cylinder, manual/auto registration, highly efficient and accurate for die cutting or sheeting of laminated chip and antenna labels.



UV Flexo



Feeding & Labelling



Die Cutting & Sheeting

FEATURES & ADVANTAGES

1. Totally automatic servo driven system providing flexo print capability, cold foil, delam/relam lamination, super varnish, Spot varnish and custom drop in colors/coatings. UV dryer with chill roll to keep stable tension and steady temperature at all speeds for filmic applications. Quick change ink pan and doctor blade requires no tooling.
2. Special feeder for high precision chip or antenna insertion. for inserting label or card. Delam/Relam
3. Servo driven die cutting unit is complete with pre registration automatic registration system for accurate chip/antenna; Can use magnetic flex dies or solid cylinder tooling
4. +/- .002 precision registration
5. Movable HMI operator Control providing easy to operation.



Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security...etc.



SUBSTRATES

Standard material is thickness 35~250um of film/paper/ adhesive material/light carton board paper, other special materials need to be tested at Brotech R&D location.

RFID FS 330/420

*Tagsurance Intelligent label
performance detection system*



TECHNICAL SPECIFICATIONS

Model	FS 330	FS 420
Max web width	340mm	430mm
Max unwind diameter	410mm	410mm
Max rewind diameter	410mm	410mm
Max inspection width	330mm	420mm
Max Mechanical Speed	80m/min	80m/min
Power Consumption	6kw	6kw
Air supply	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE
Machine weight	1.5T	1.5T

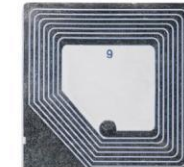
DESCRIPTIONS

The Brotech/Tagsurance QC validation equipment is a servo driven with closed loop tension controlled quality assurance system. Its electronic web-guiding system provides smooth and accurate web control to prevent sim card and antenna damage. Brotech has equipped their unit with the Voyantic Tagsurance label inspection system to inspect label's quality and consistency with respective radio frequency. The machine features "auto error placement" when the defective label is found. The unit finds the defect and marks it with an inkjet mark allowing the operator to address the defected label.



Applications

ALL RFID/EAS and security label scanning and QA/QC validation



FEATURES & ADVANTAGES

Spot test:

set different frequency to choose bad quality labels under smallest initial power.

Sensitivity test:

could observe the changes of label initial power, very convenient for operating.

Initial power mode:

can test the minimum label initial power under certain setting frequency.

Write/Read:

Can read all testing functional orders, and stores the data and results into database for validation purposes.



SUBSTRATES

Standard material is thickness 35~250um of film/ paper/adhesive material/light carton board paper, other special materials need to be tested.

FSS 330/420/520

FSS Label slitting & rewinding & inspection system



TECHNICAL SPECIFICATIONS

Model	FSS 330	FSS 420	FSS 520
Max web width	340mm	430mm	530mm
Max unwind diameter	800mm	800mm	800mm
Max rewind diameter	800mm	800mm	800mm
Max inspection width	330mm	420mm	520mm
Max Mechanical Speed	350m/min	350m/min	350m/min
Power Consumption	15 KW	15KW	20KW
Air Supply	8 Bar	8 Bar	8 Bar
Power Supply	3PH+N+E	3PH+N+E	3PH+N+E
Machine Weight	1.8T	2T	2.5T

DESCRIPTIONS

The Brotech FSS a full line of high speed slitting, rewinding & inspection system. It is equipped with a world class video inspection system for accurate inspection control assurance. It features a choice of two advanced web-guidance systems for smooth and accurate inspection and winding. With a maximum speed of 350m/min, the FSS highly improve inspection efficiency, locate, mark and validate all defects and increase output.

FUNCTIONING UNITS

Inspection:

World lead automatic inspection system, mark and classify all defects, limit waste, increase customer's satisfaction and improve return on investment.

Slitting:

Advanced shear knife for precise and steady slitting, optional for razor blade slitting or both.



Inspection System



Slitting



Inspection System

FEATURES & ADVANTAGES

1. World lead automatic inspection system, mark and classify all defects, limit waste and improve daily output.
2. Two famous imported we-guiding systems for smooth and steady feeding.
3. Advanced shear knife for precise and steady slitting, optional for razor blade slitting or both.



Web Guiding System



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security...etc.



SUBSTRATES

Standard material is thickness 35~250um of film/paper/ adhesive material/light carton board paper, other special materials need to be tested.



New FS 330/420/520

*New FS Label slitting &
rewinding&inspection system*



TECHNICAL SPECIFICATIONS

Model	NEW FS330	NEW FS420	NEW FS520
Max web width	340mm	430mm	530mm
Max unwind diameter	700mm	700mm	700mm
Max rewind diameter	600mm	600mm	600mm
Max inspection width	330mm	420mm	520mm
Max Mechanical Speed	300m/min	300m/min	300m/min
Power Consumption	10 KW	10KW	13KW
Air Supply	8 Bar	8 Bar	8 Bar
Power Supply	3PH+N+E	3PH+N+E	3PH+N+E
Machine Weight	1.5T	2T	2.5T

DESCRIPTIONS

New FS is a label quality inspection, slitting, and rewinding system, with imported servo driven 3"/76mm air shaft for unwind/rewind; Equipped with world lead automatic inspection system and advanced shear knife, suitable for max 700mm diameter label roll slitting, rewinding, and 100% inspection.



FUNCTIONING UNITS

Inspection:

World lead fully automatic 100% inspection system, mark and classify all defects, limit waste, increase customer's satisfaction and improve return on investment.

Slitting:

Advanced shear knife for precise and steady slitting, optional razor blade slitting or both.



Inspection Platform

Slitting

Inspection System

Unwind

FEATURES & ADVANTAGES

1. World lead automatic 100% inspection system, mark and classify all defects, limit-waste and improve ROI.
2. Advanced shear knife for precise and steady slitting, optional for razor blade slitting or both.



Applications

Electronics, cosmetics, packaging, pharmaceutical, transportation, toys, logistics, garments, security labels...etc.



SUBSTRATES

Standard material 35~250um thickness film/paper/ label/light carton board paper, other special materials need to be tested.

LABEL FINISHING AND CONVERTING SOLUTION



NEW SDF P1



CDF P5



CDF PLUS P9



DF8000 P13



DF P5



MF P19



DL P23



SDF PLUS P27



BF P31



TR P35



RF P39



RFID P43



FSS P47



NEW FS P51