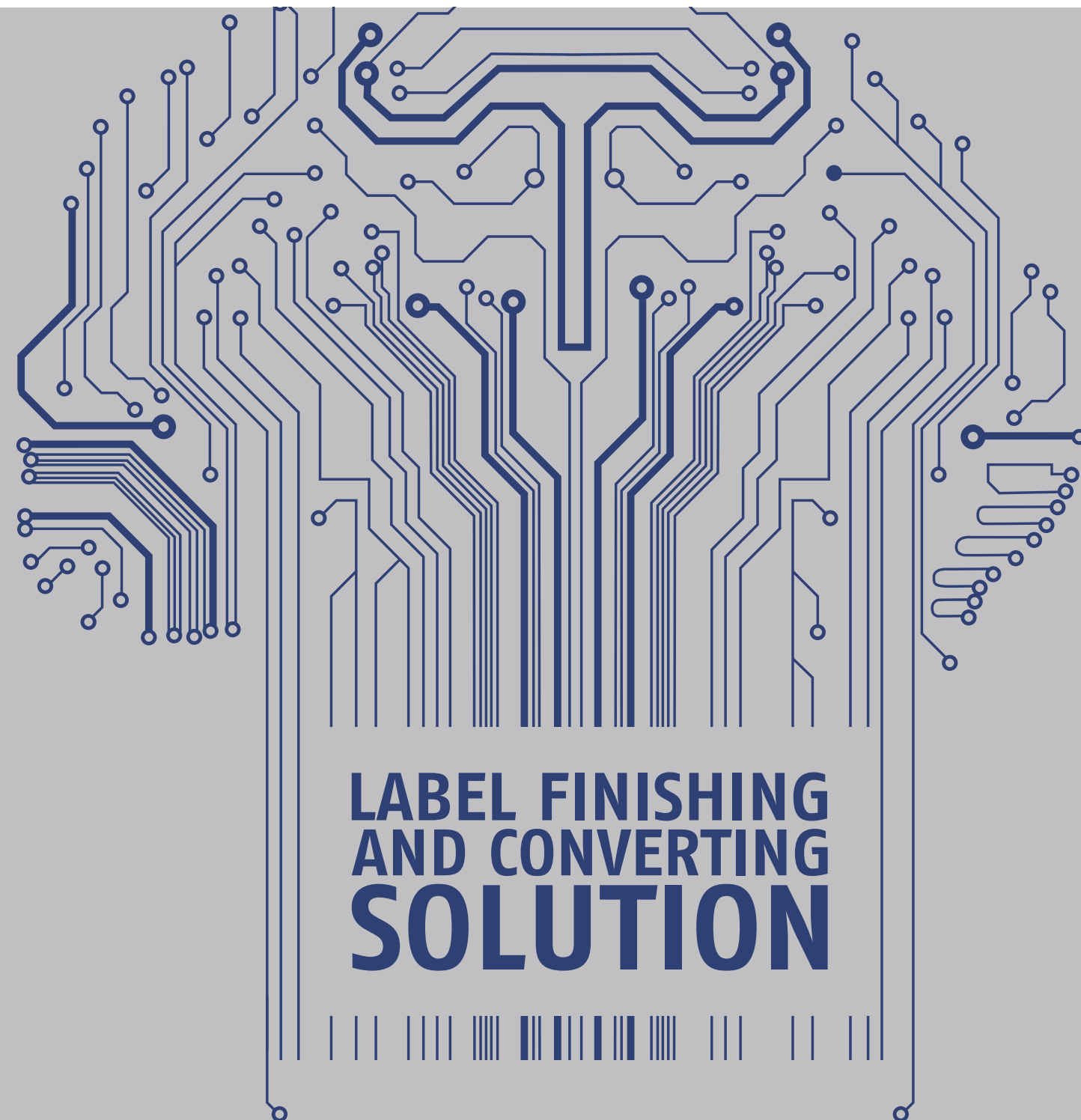# LABEL FINISHING
AND CONVERTING
SOLUTION

Brotech

HP INDIGO GLOBAL PARTNER

Brotech Digital Graphics Co., Ltd.

Add: 1st Floor, 8th Building, TongFuYu Industrial Park, YongHe Road, Fuyong
Town, Baoan District, Shenzhen, China | +86-755-8373 3867 | 2954 9040

Brotech Digital Graphics Europe

Eduard-Mörike-Straße 36 | D-52249 Eschweiler
Tel. +49 (0) 2403 7829-30
info@bro-tech.eu | www.bro-tech.eu

Brotech Digital Graphics North America

Wayne Huang | +1630 71901968
E-mail: wayne@brotechna.com
www.brotechna.com

Brotech

DIGITAL GRAPHICS EUROPE

HIGH PRECISION
HIGHER SPEED
HIGHER QUALITY
HIGHER EFFICIENCY
HIGH FLEXIBILITY

Europe Sales & Support

As the European distribution partner of Brotech, **PrintsPaul GmbH & Co.KG** in Eschweiler/Germany presents numerous systems ready for operation in their own company.

The extensive equipment of digital printing machines, located at PrintsPaul's system house (HP Indigo, Xeikon, Konica-Minolta, Inkjet) gives all interested parties a deep insight into the business field of "digital label printing" in a production environment.

Visits for extensive tests with own data and substrates are welcome and after appointment in a timely manner possible.

Eschweiler is also the location of the spare parts warehouse and the headquarters of the specially trained technical service as well.

Brotech – Company History

Founded in 2004, Brotech is headquartered in Shenzhen/China, a state-of-the-art manufacturing facility in Xi'an, with offices and showrooms in Singapore, Germany, the US, Mexico, and Thailand.
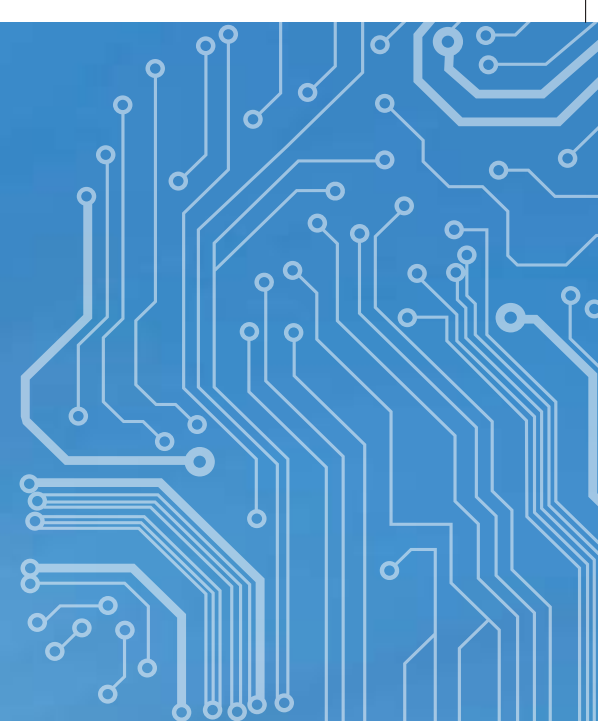
Brotech Digital Graphics has become a world leader in digital finishing systems and has developed a comprehensive range of specialized label processing equipment.

The diversified portfolio includes systems for processing and refining print labels, as well as hybrid digital and finishing solutions for the printing industry, especially in the field of digitally printed labels.

Brotech machines cover a wide range of products, including IML labels, shrink tubing, cut & stack labels, EAS, RFID, tickets, tags, booklet labels, and of course, standard self-adhesive labels.

HP INDIGO GLOBAL PARTNER

MODULAR 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	600mm	600mm
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
Size (length × width × height)	3.7×2.2×2.4m	3.7×2.3×2.4m
Machine weight	2 T	2.8 T

DESCRIPTIONS

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

Brotech
www.bro-tech.eu

FUNCTIONING UNITS

Standard Features:
Full rotary flexo unit, for printing, spot varnish, super varnish, cold foil, lamination.
Semi/Full rotary die cutting unit, matrix remove, slitting and dual product rewind
Suitable for magnetic cylinder 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 short or medium-long size label, especially for digital printed labels.

3. Hot air dryer can be installed as option for water-based primer, coating, lamination...etc. upon client request.

Hot Air Dryer (Option)

IML

Applications

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

SUBSTRATES

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

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	600mm	600mm
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
Size (length × width × height)	4.0×2.2×1.9m	4.0×2.3×1.9m
Machine weight	2.5T	3T

DESCRIPTIONS

The CDF Plus is multi-funtional updated version of CDF label converting system. While providing full rotary flexo printing, varnish, super varnish, cold foil, lamination, semi-rotary die cutting, slitting, 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 cylinder or solid cylinder.

Sheeting:
Automatic servo driven, accomplish variable sheeting jobs without chenging sheeting toolings.

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   star wheel stacker

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 short or medium-long size, especially for digital printed labels.

3. Hot air dryer can be installed customer request as option for water-based primer, which coating, lamination, upon client request.

4. Sheeting station with conveyor stacker.

Applications

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.

SDF 330/420/520

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	600mm	600mm	600mm
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
Size (length × width × height)	4.9×3.1×2.3m	4.9×3.2×2.3m	4.9×3.3×2.3m
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 designed 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, providing 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 is easy for operator to exchange the model between full rotary and semi-rotary printing. Also provides extended print repeat range for spot varnish, super varnish, cold foil and lamination custom drop in colors. As well.

Full Rotary /Semi-Rotary Die Cutting :
Patented "on the fly" operator can quickly and easily exchange the model between full rotary and semi-rotary die cut mode. Equipped with magnetic flex dies or solid cylinder.

New Semi-Rotary Flexo   Semi-Rotary Die Cutting   IML

Rewind   Slitting   Web Guiding System   Air suction unit for IML

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 has both automatic registration system and manned 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 operate easily.

3. Optional hot air dryer can be installed for water-based primer, coating, lamina-tion...etc.

4. Optional movable standard conveyor or IML conveyor for doing sheeting or IML jobs.

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.

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
Size (length × width × height)	4.9×2.5×1.8m
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. It's modular design, fully servo driven tension control system, and intelligent HMI interface, making 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 professional finishing solution when connected inline with HP Indigo 20000 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   HP Indigo 20000

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	600mm	600mm	600mm
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	25kw	25kw	33kw
Air supply	8bar	8bar	8bar
Rated voltage	3PH+N+PE	3PH+N+PE	3PH+N+PE
Rated current	42A	42A	55A
Size (length × width × height)	10.2×2.8×2.2m	10.2×2.8×2.2m	10.2×2.8×2.2m
Machine weight	2.5T	3T	3.5T

DESCRIPTIONS

The MF multi-functional label printing & converting system combined with 2 sets flexo units at least and a full rotary die cuttig unit. The max mechanical speed can reach to 120 m/min. Also it can be upgraded upon customerized request.

FUNCTIONING UNITS

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

Full Rotary Die Cutting:
Equipped with magnetic cylinder 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 (Option)

Applications

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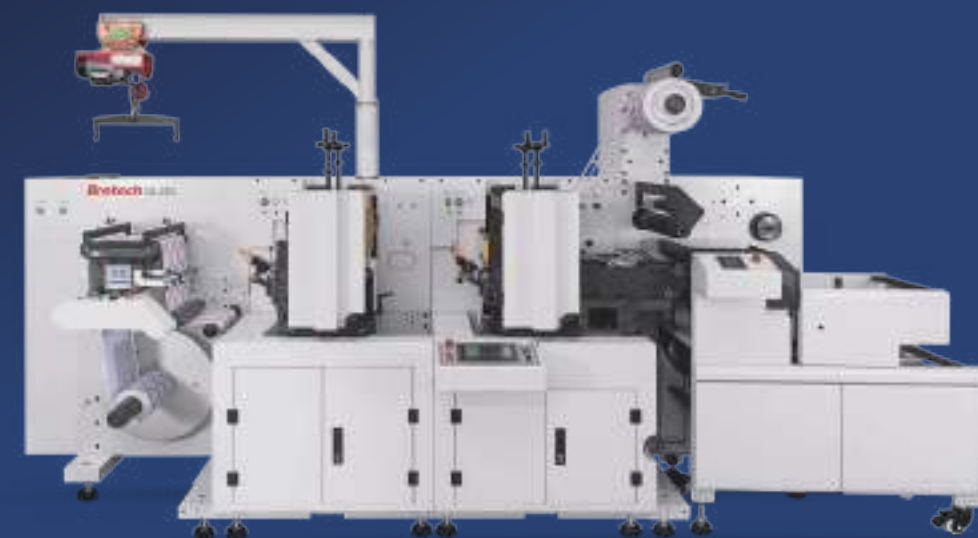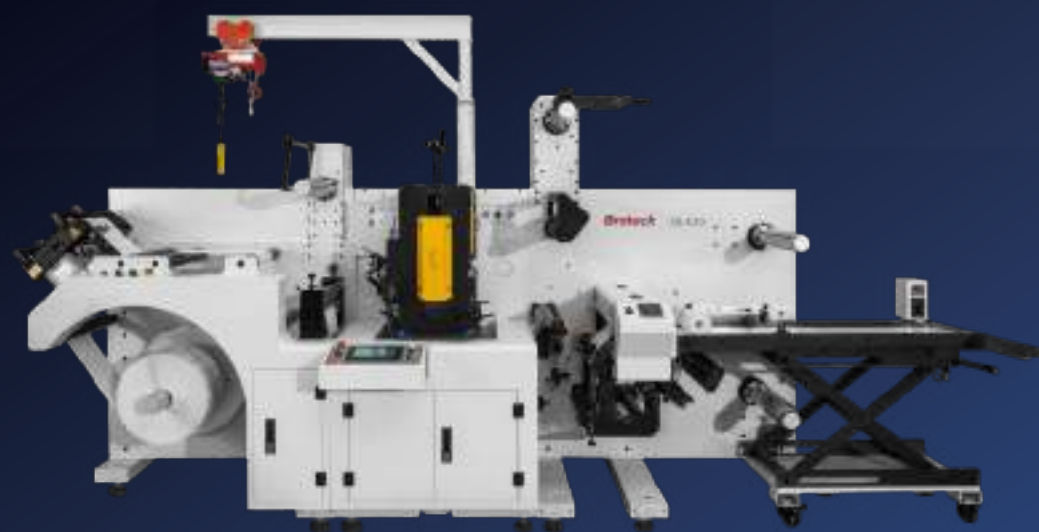
SUBSTRATES

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

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	600mm	600mm	600mm
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
Size (length × width × height)	4.4×2.2×2.3m	4.4×2.3×2.3m	4.4×2.4×2.3m
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, combined high efficient and easy to operate.

FUNCTIONING UNITS

Die cutting unit:
Equipped with full rotary or semi-rotary mode, with magnetic cylinder or solid cylinder to die cut short run or medium-long size labels, especially for digital printed labels.

Slitting unit:
With advanced shear slitting for precise and steady, slitting razor blade slitting or crush slitting, can be provided as opiton.

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 cylinder or solid cylinder. High precision and reduce material waste. Both full rotary or semi-rotary mode, for doing IML job 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

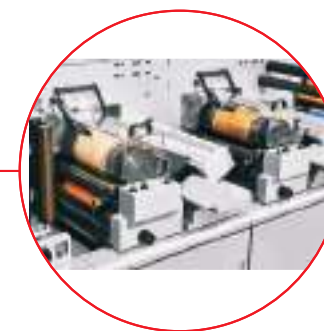## Smart Modular Designed Digital Printed Label Converting & Finishing System

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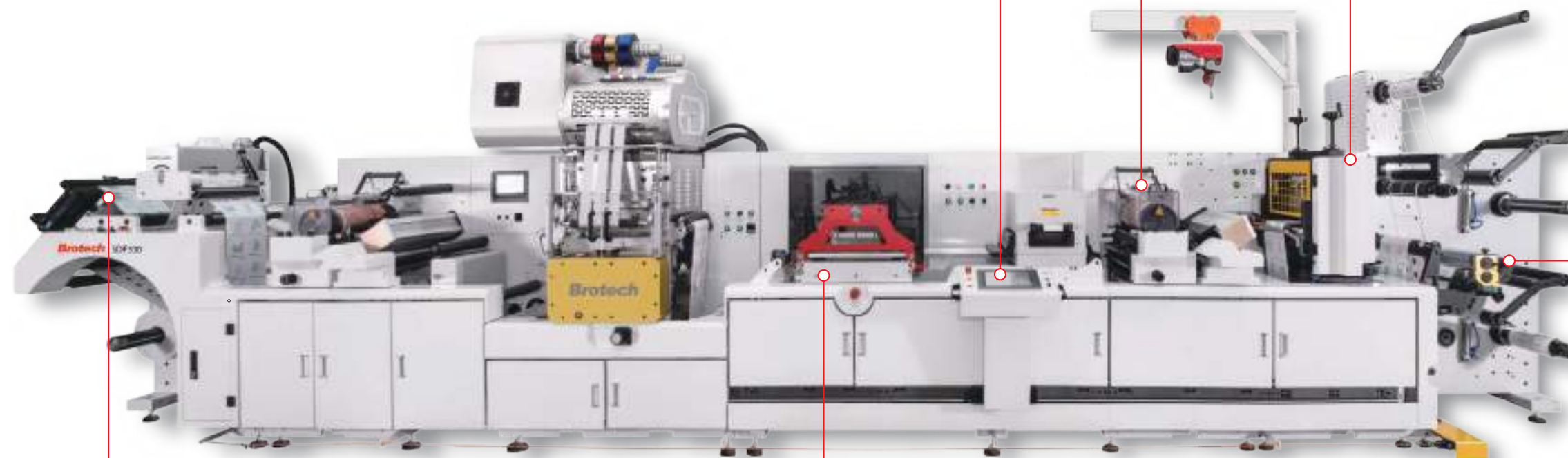- Optional hot air dryer.

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.

Moveable Touch Screen

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.

Web Guiding, Electric Corona (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

Flat bed hot stamping module
-National Invention patented 90° rotatable hot stamping head
-National Invention patented flat bed pressing technology
-Servo driven control for saving, upgradable to registered holographic embossing.
-Along 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 easily changing 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
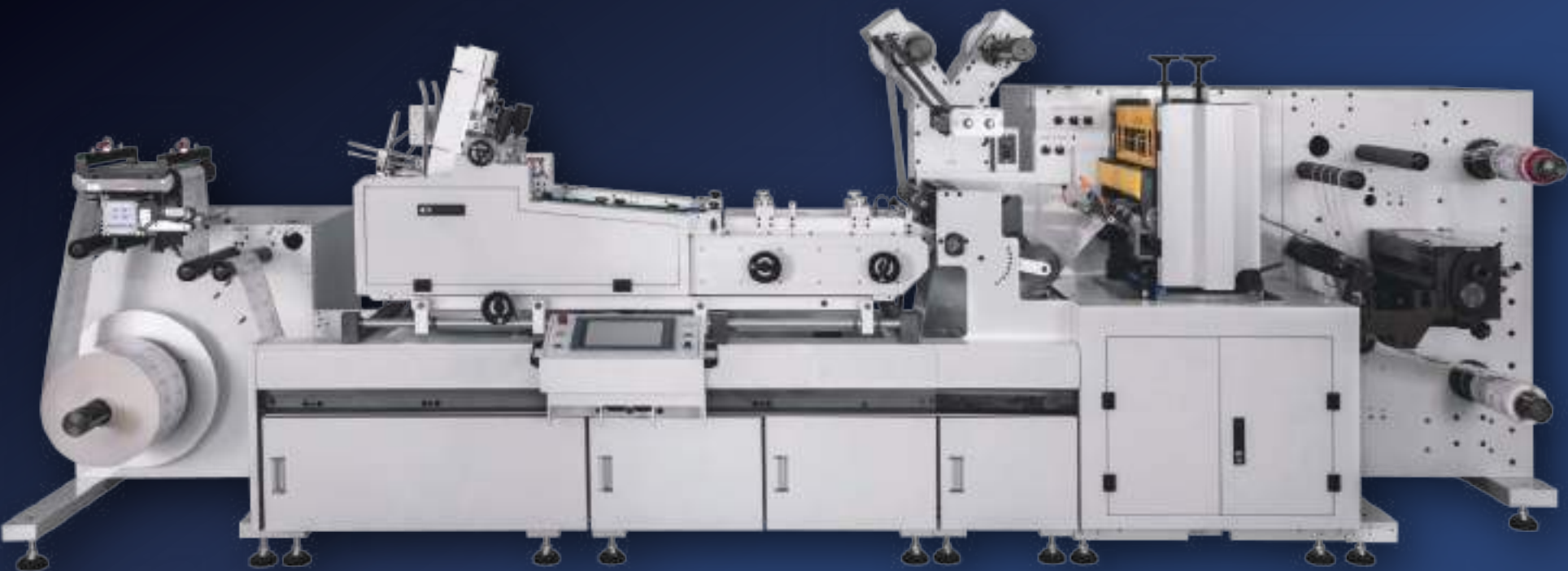-Optional shear knife slitting or razor blade slitting.

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	600mm	600mm	600mm
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

BF 330/420

ECL Booklet Label Converting System

TECHNICAL SPECIFICATIONS

Model	BF330	BF 420
Max web width	340mm	430mm
Max unwind diameter	700mm	700mm
Max rewind diameter	600mm	600mm
Max die cutting width	330mm	420mm
Max running speed	12000 pieces/hour	12000 pieces/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
Size (length × width × height)	5.1×2.8×1.8m	5.1×2.9×1.8m
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 50-250mm in length. Brotech's patented feeder is designed to ensure stable and smooth registered feeding, quickly 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 350mm.

Die Cutting:
Full rotary for use with magnetic or solid cylinders.

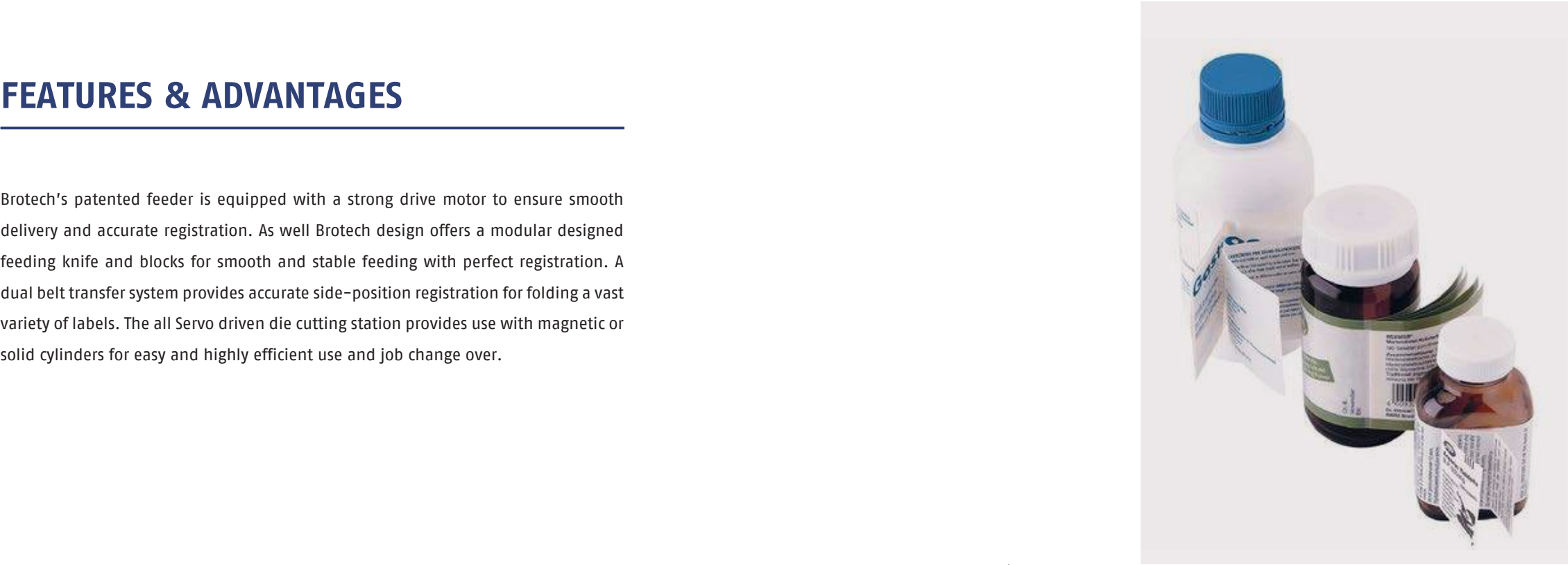| Feeder | Belt Transfer | Alignment | Die cutting |

FEATURES & ADVANTAGES

Brotech's patented feeder is equipped with a strong drive motor to ensure smooth delivery and accurate registration. As well Brotech design 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/chemicalfgf...etc.
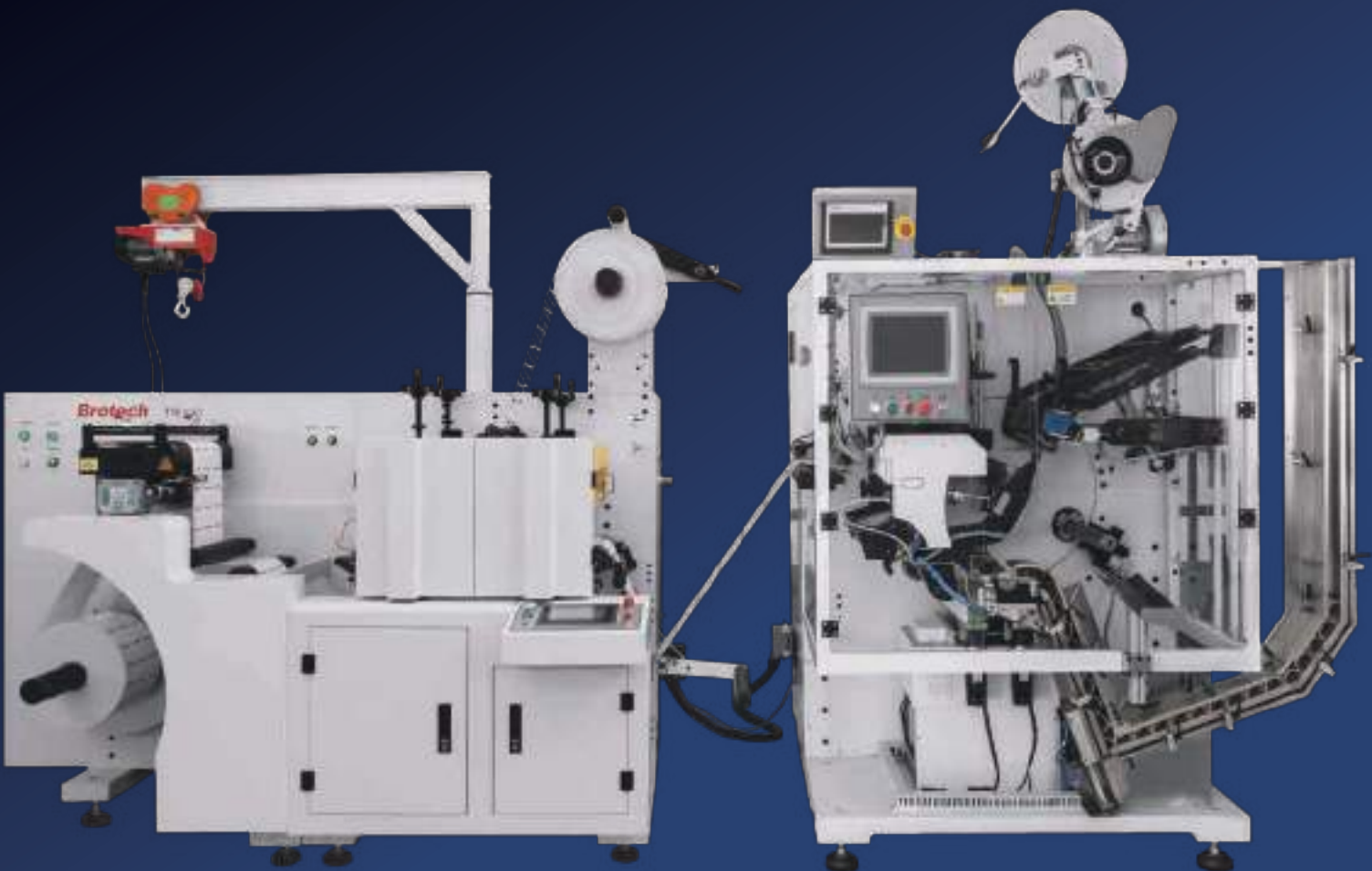
SUBSTRATES

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

TR 330/420/520

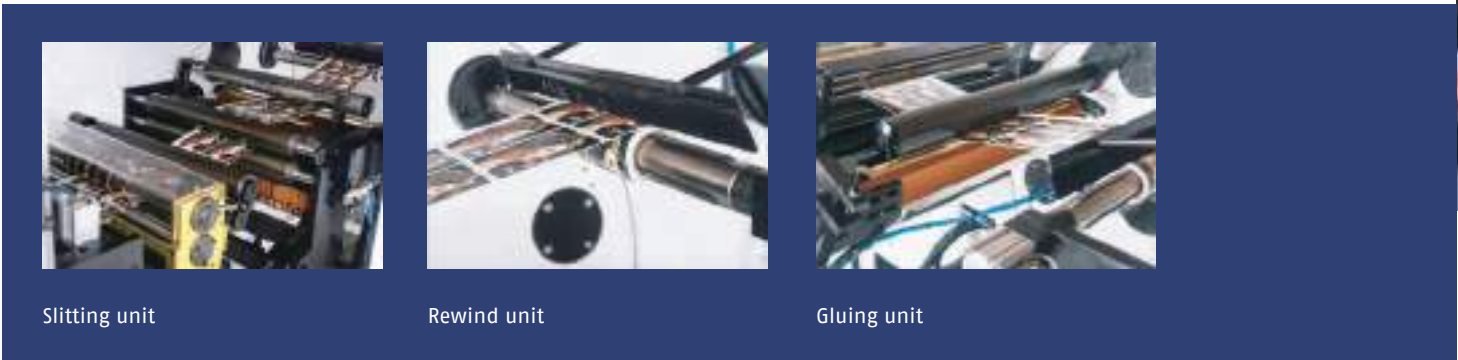## TR Turret Rewind System

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	1"–3"	1"–3"	1"–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
Size (length×width×height)	4.8×2.3×2.2m	4.8×2.4×2.2m	4.8×2.5×2.2m
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 for precise and steady slitting, optional 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	600mm	600mm	600mm
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
Size (length×width×height)	2.6×1.8×1.6m	2.6×1.9×1.6m	
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 provised 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. 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.

FS 330/420/520

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	500mm	500mm	500mm
Max inspection width	330mm	420mm	520mm
Min Slitting Width	20mm	20mm	20mm
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
Size (length×width×height)	3.1×1.0×1.8m	3.1×1.1×1.8m	3.1×1.3×1.8m
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. Can stop automaticly against winder diam-eter. The unwind partan choose loop-closed tension catrol. 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 the defects, limit waste, increase customer's satisfaction and improve return on investment.

Slitting:
Advanced progressive 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 progressive 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.
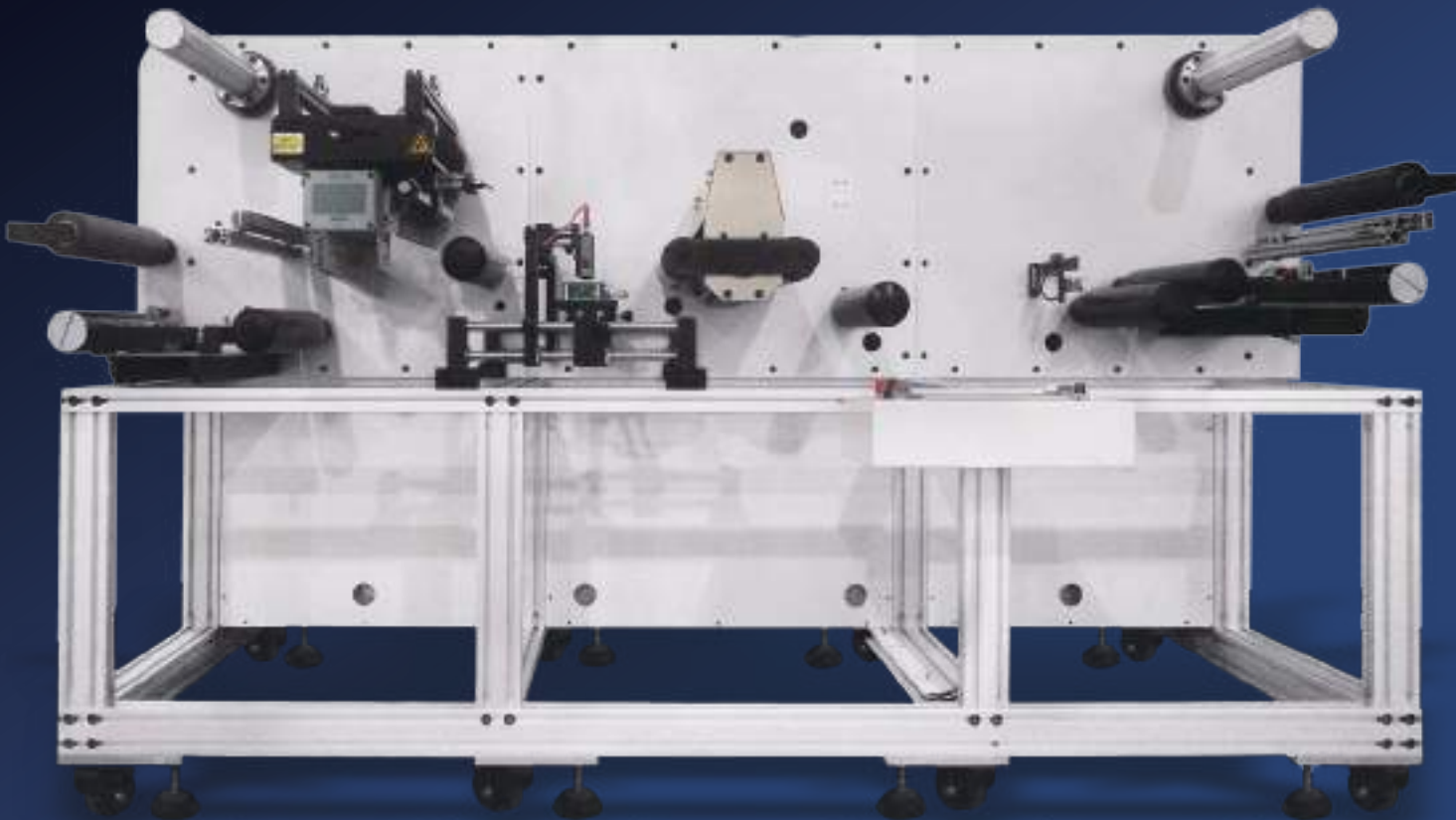
SUBSTRATES

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

RFID FS 330/420

Tagsurance Intelligent label Smart 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.

TDL 330

Tabel Top Die Cutting Machine

TECHNICAL SPECIFICATIONS

MODEL	TDL330
Max web width	340mm
Max unwind diameter	350mm
Max rewind diameter	350mm
Max mechanical speed	15m/min
Die cutting registration tolerance	±0.20mm
Rated voltage	3PH+N+PE
Rated current	15A
Size (length × width × height)	1.2 × 1.3 × 1.6m
Machine weight	500KGS

DESCRIPTIONS

The Brotech TDL table die cutting machine, a compact label finishing system which focuses on small run production orders including self-wound film lamination. Perfect for small to medium size production and proofing at low and medium speeds. Small size allows for easy and fast operation and flexible digital job conversion in spaces as small as an office.

FUNCTIONING UNITS

Dry lamination unit:
Magnetic powder clutch rewinding and tension automatic feedback control.

Die cutting unit:
Full rotary and semi-rotary die cutting can be quickly exchanged, adapting to various magnetic cylinder or solid cylinder die cutting rolls.

Unwind & lamination unit   Rewind unit

FEATURES & ADVANTAGES

1. Focus on small-volume production and compact label post-processing system, suitable for production and proofing of low-speed, small-volume orders. The operation is simple and quick, and the order conversion is flexible.

2. Small size of the machine, it can be placed directly in the office and other places, regardless of space constraints, depending on the conditions of use, whether or not have pneumatic for whole machine is required.

3. Now upgrade to add dry lamination & razor blade & slitting function to achieve one-stop office label proofing.

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.

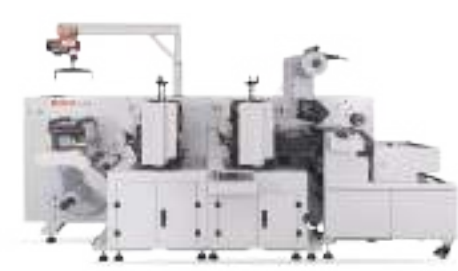# LABEL FINISHING AND CONVERTING SOLUTION

CDF — P1

CDF PLUS — P5

NEW SDF — P9

DF800 — P13

MF — P15

DL — P19

SDF PLUS — P23

BF — P27

TR — P31
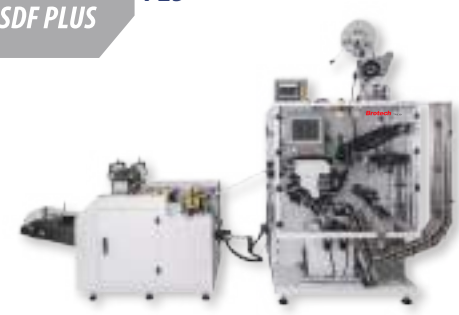

RF — P35

FS — P39

RFID FS — P43

TDL — P47

AccurioLabel 230 Hybrid Digital Finishing System

Near Line Digital Finishing System