

Take a closer look

at Focus Textile Machinery Solutions



LETTERFLEX
TEXTILE PRINT & CONVERTING SYSTEMS

TAGTRANS
transferprints

FOCUS
LABEL MACHINERY LTD

Welcome to Focus... investing for the future

The £1.5 million investment, which also includes new CNC machining centres, lathes and cylindrical grinding equipment is designed to further increase manufacturing capacity, improve work flow and reduce delivery times.

Focus Director, David Lee explains "There has been a steady increase in demand in recent years, as we have moved into new and expanding export markets. We have also gained market share in our domestic and European markets, against strong competition. At the same time, we have continued to develop and strengthen our ranges of equipment, with the introduction of new flexo presses and ancillary machinery.

Obviously, with this growth in machine sales, comes the increased demand for technical support, tooling and spare parts. All of this created a real strain on our manufacturing capacity and we took the decision to expand. The investment in a new factory and equipment was an essential step in the development of Focus Label Machinery and will enable us to continue to improve our manufacturing operation and technical support for our customers.'

Customer training centre

As well as the additional new factory and office space, Focus also have a dedicated Customer Training Centre, catering for the training requirements of customers from all over the world.



The Centre also provides a full time demonstration facility for the entire range of printing presses, platemaking systems and other ancillary equipment supplied by Focus.

The investment in technology is backed by our investment in quality people. Technical experts who will listen and turn your ideas into solutions to meet your needs. Focus recognises that we require different approaches and promote flexibility in our design & manufacturing systems. Importantly, you can speak directly to our staff in all departments who are happy to share their expertise and assist our clients.

Innovation comes from listening to our clients and our continued drive to make improvements and take a leading roll in our industry.

Manufacturing technology

We have invested heavily in installing the best systems to link our design, research & development departments with production. We design all our equipment from mechanical concepts through to electrical & control systems.



We use the latest in CAD/CAM/CNC manufacturing technology to ensure every piece of equipment or part that we supply conforms to its requirements. Inward supply of materials is controlled through to production, inspection, storage & despatch of components from our warehouse to you the client.

Focus has a dedicated assembly area, where specialist technicians work on all aspects of systems & machine assembly. Many orders are unique to a client and only by having our own dedicated staff can we ensure that quality and full flexibility are maintained. Final testing for equipment is carried by our own Print Technicians prior to despatch.



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FOCUS
LABEL MACHINERY LTD

Modern manufacturing facility

Focus Label Machinery Ltd have recently completed their move to a brand new, purpose built manufacturing facility, situated adjacent to their existing factory in Bingham, Nottingham.

The new facility comprises a 20,000 sq. ft manufacturing plant, as well as new sales offices, meeting rooms and customer reception areas. Their former factory building will also be fully refurbished as a dedicated assembly facility and incorporated into the new development, creating a 30,000 sq. ft facility.



LX-Series...a new generation of textile printing machines

Focus has redesigned the entire Letterflex equipment range to meet the latest demands in the Apparel supply market. Improved productivity is the key, with time & waste saving features that can deliver both small & large volume label production cost effectively.

The Patent protected LX Range delivers unrivalled performance & ease of use at a price less than that of existing equipment. Combined with the Focus Ultrasonic Label Cutting system we present the most efficient printed label production system in the world today.

Contact Focus today & launch yourself ahead of the competition with the new generation of Letterflex printing presses.

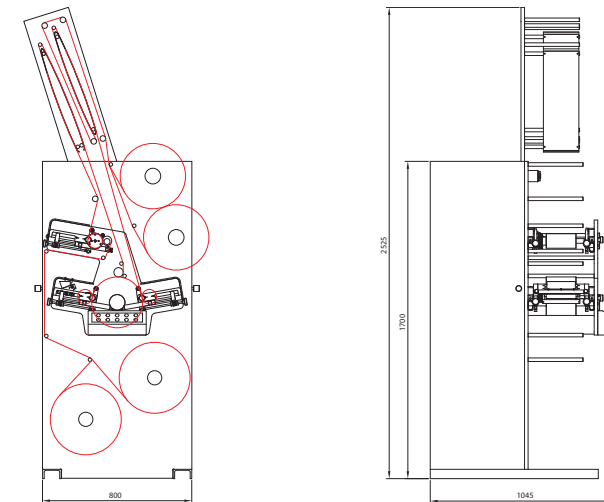


> LX4/LX6 Press Model

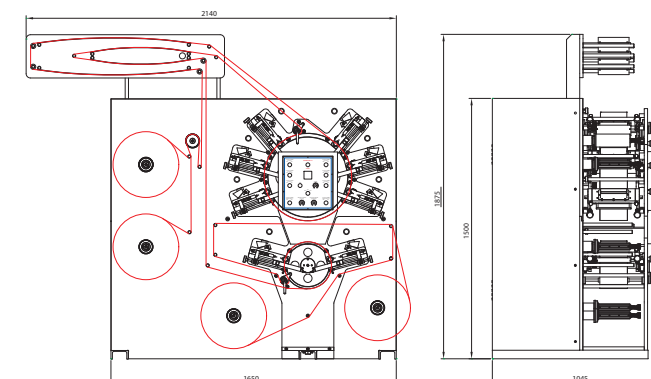


> LX2 Press Model

LX2 SERIES DIAGRAM



LX6 SERIES DIAGRAM



- > Quick Change 'QC' Cartridges for Rapid Job & Colour Changes.
- > Rapid Print 'RP' Adjustments with Minimal Operator Skill.
- > Leak Free Enclosed Ink Fountains
- > On Run Register Adjustment
- > Operator Friendly Controls
- > Fast and Easy Operation
- > Multi Web Printing & Processing
- > Printed Ribbons & Apparel Labels
- > Print on Elastics (Option)
- > Dye Sublimation Prints
- > Heat Transfers (Option)

NUMBER OF COLOURS

LX2	2 Face + 1 Reverse
LX4	4 Face + 2 Reverse
LX6	6 Face + 2 Reverse

SERVICE REQUIREMENTS

Electrical:220/240V, Single Phase, 19 Amps

Air10PSI @ 4 CFM

LX2 Dimensions105 X 80 X 252cm High

LX4 & LX6 Dimensions170 X 90 X 195cm High

Weight650 to 850 Kgs

LX SERIES OPTIONS

- > Ultrasonic Cutting Systems (LX6 Only)
- > Rotary Die Station (LX6 Only)
- > Print Cylinders & Gears
- > Auto End of Roll Switch off
- > Anti Static Bars
- > Web Cleaners
- > Additional QC Ink Cartridges
- > Mechanical or Air Operated Cores
- > Video Inspection
- > UV Drying



ULTRASONIC CUTTER



INK STATION



DIE CUTTER



IR DRYING SYSTEM



TagTrans™ ...concept to reality for heat transfer technology

Focus are proud to have developed a new concept of labelling utilising its latest LX Letterflex and TagTrans™ silk screen technologies for the production of specialised Transfer Papers for Apparel and decorative transfers.

Focus has developed its own unique, ink, paper chemistry and printing transfer technology in order to fix the entire image to the garment or fabric, eliminating the need of a sew in label.

Among the industry's labelling solutions providers, there are as many different variables of tagless offerings as there are suppliers. We believe we are the first company to design specific equipment to meet the demand of this emerging technology".

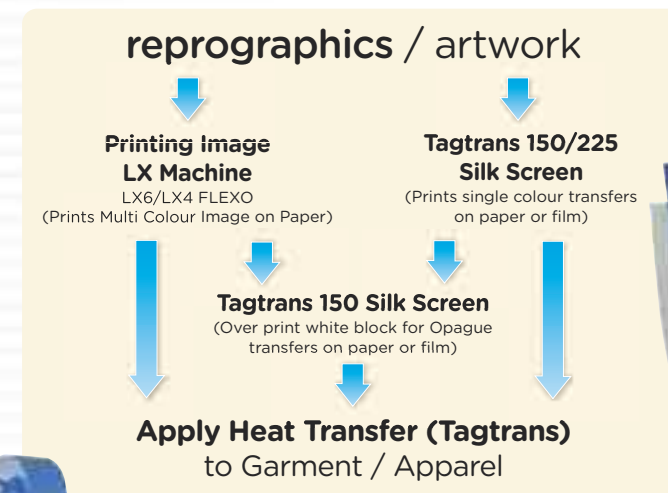
Complex multi-coloured transfers

The beauty of the LX machine is that it can be used to produce high quality complex multi-colour transfers (4 Colour Process Images) from Roll to Roll with only the adhesive layer required to be applied by our Patent Powder Adhesive or traditional Silk Screen methods.

Focus can provide a proven system that is small enough to be sited in strategic global positions to supply local garment manufacturers.



> LX4 with Powder Adhesive Applicator



> The Principle of TagTrans Production



> Tagtrans 225 Pro-Screen



> Tagtrans Silk Screen 150



UNWIND



PHOTO EYE REGISTRATION



SCREEN PRINT HEAD

TAGTRANS APPLICATIONS

"TagTrans™" Prints are presented in rolls or sheets ready to be applied onto the fabric with the application of heat and pressure. The application process typically takes about two to five seconds, depending on the manufacturer's process and the type of fabric.

The tag constitutes an ultra-thin layer of specially formulated adhesive and lettering, which results in a sharp image being fixed permanently to the fabric.

Standard practice calls for the labels to be durable enough to withstand 50 washes as well as dry cleaning.

Heat transfer labels can be applied to polyester, polyethylene, leather, spandex and nylon.

The latest developments in the technology have enabled these tags to be applied to thin low-weight fabrics, such as those used in lingerie, minimising the see-through effect.

TAGTRANS FEATURES

- > High Definition Transfers
- > Multi-Colour
- > Halo Free
- > Single or 2 Pass Transfers
- > Hot or Cold Release

TAGTRANS MATERIALS

- > Oekatex Approved Inks
- > Powder Adhesives
- > Transfer Papers
- > Transfer Film
- > Hot Release Coatings



TTC-100...cutting edge technology from Focus

Focus remain at the leading edge of Ultrasonic Cutting Technology, and introduce a new, budget label cutting system with Ultrasonic or standard cold cut technology.

The TTC-100 Systems are supplied with automatic control unwind, computer control feed & measuring system, high definition photo eye for register stability, cold cutting knife for coated fabrics or ultrasonic cutting blade for desirable soft edge woven fabrics.

An automatic stacker is also included with focused anti-static system for lightweight fabrics. The TTC-100UF is supplied with a folding attachment.

The system is simple to set up through its touch key panel, allowing fast set up and change overs, with the ability to store & recall previous jobs through a file system.



> TTC-100 with extended stacker



> TTC-100 ultrasonic cutting

Focus have been pioneers in the development of ultrasonic cutting technology providing a variety of practical solutions for stand alone machinery or with printing equipment combining the printing & cutting into a single operation.

The table top system provides a low cost solution to the high demand of single cut or folded printed labels, increasing production capacity of the label cutting department and in house apparel producers alike.

CUTTING SYSTEM SPECIFICATIONS

	TTC-100	TTC-100U	TTC-100UF
Cutting Type	Scissor Blade	Ultrasonic Blade	Ultrasonic Blade
Label Type	Cut Single	Cut Single	Cut Single Cut & Fold
Speed	90 - 140 Label/Min	90 - 140 Label/Min	90 - 140 Label/Min 60 - 80 Label/Min
Max Width	60mm	50mm	50mm
Cutting Range	0-999mm	0-999mm	0-999mm
With Stacker	20-175mm	20-175mm	20-175mm
With Folder			60-150mm
Extender Stacker	20-220mm	20-220mm	20-220mm
Suitable Textiles	Coated and non fray textiles only	Polyester, Satins, Coated textiles, Woven edge etc.	Polyester, Satins, Coated textiles, Woven edge etc.

WORKSTATION OPTION



PHOTOSENSITIVE EYE



THERMAL DIGITAL PRINTER



Focus curing technology for your fabrics

When using heat cure inks for fabric printing, finished rolls will require final curing in an oven to enable full washability.

The oven shown will house a full days production from several printing presses, and overnight will provide full drying of the finished rolls.

The ovens are built to the highest industrial standards and are supplied with safety thermostats, 7 hour timer and extractor fans. The oven interior has several levels with ideal spacing allowing a large quantity of label to be housed.



CURING OVEN FEATURES

- > Large Capacity
- > Safety Thermostat
- > Run Back Timer
- > Mechanical Convection
- > Clad Work Chamber
- > Extractor

CURING OVEN SPECIFICATIONS

Internal Dimensions	91 x 61 x 62 cm
External Dimensions	127 x 77 x 78 cm
Volume	335 Litres
Power Rating	2KW
Voltage	240v Single Phase
Temperature Range	40 - 200°C
Other sizes available on request	

Inks & consumables

Oeko-text approved inks

Texprint is the only ink with OEKO-TEX approval for use with Focus Letterflex equipment.



Furthermore, colours can be mixed to provide special colours on the press. The 'Heat Set' ink ranges are designed to meet the hardest of wash resistant requirements set by the retail organisations and all inks are now OEKO-TEX approved for use in garments throughout the world.

When used to the Manufacturers instructions, approved ink will pass all washing & dry cleaning tests including British standards and the AATCC.

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The Centre also provides a full-time demonstration facility for the entire range of printing presses, platemaking systems and other ancillary equipment supplied by Focus.



Photopolymer plates

Standard flexographic printing plates are used and they are widely available throughout the world.

Manufacturers include DuPont, BASF, JET, TOK and using one of these brands will ensure the highest print quality reproduction. Printing plates can be made 'in house' and Focus are able to supply platemaking equipment from Photomeca & Cartomac and photopolymer plate from TOK.

Full details are available on request. Alternatively we will be happy to offer independent advice.



PROFILE RANGE

Solvent Washout Flexo Platemakers

A complete range of compact combination units for flexographic platemaking.

This 'all in one' version combines all the plate-making process steps and is designed for all types of plates and solvents (chlorinated or unchlorinated).

Although compact and economic to run, these systems are of excellent build quality and will easily produce flexo plates of the highest quality, with smooth even floors, crisp detail and fine, clean reversals.

- > **Washout section:** The plate is fixed face down on the plate holder. Relief washout is obtained by orbital movement of the plate over a brush frame (An exhaust device is incorporated for solvent fumes on solvent version).
- > **Exposure:** Pull out vacuum drawer with draw down sheet to hold plate during exposure.
- > **Light finisher:** Pull out drawer for UVC anti-tack exposure (profile models only).
- > **Dryer:** Three dryer drawers with temperature control and exhaust blower.



MODEL	Processing	Max plate size (cm)	Max plate size (inches)
PROFILE FLEXO A4	Solvent	27 cm x 37 cm	10.5" x 14.5"
PROFILE FLEXO A3	Solvent	37 cm x 52 cm	14.5" x 20.5"
PROFILE FLEXO A2	Solvent	55 cm x 76 cm	21.5" x 30"
PROFILE FLEXO A1	Solvent	60 cm x 80 cm	23.5" x 31.5"
PROFILE FLW A3	Water	37 cm x 52 cm	14.5" x 20.5"
PROFILE FLW A2	Water	55 cm x 76 cm	21.5" x 30"

PROFILE FLW

Water Washout Flexo Platemakers

A complete range of compact combination units for water washable flexographic plates. This 'all in one' version combines all the platemaking process steps and is designed for use with the leading brands of water washable plates. Ideally suited to the smaller plate making operation where space is limited and value for money is paramount, this line is perfectly adapted for customers using limited thickness of plate.

Optional filter device for low production or for higher production, the external filter unit is recommended.

EXPOSURE DRAW



VACUUM FRAME



PLATE DRYING



PLATE WASH OUT



> Continuous product development



> Product control and after sales support



> On-line parts ordering



> Technical research

After sales support & training

We take support & training seriously and strongly believe that Focus is one of the leading companies in this field.

We are extremely proud of the facilities we provide, with a dedicated Training & Showroom area, which is also used for technical research, development and testing.

Our Print Technicians hold courses for clients on a regular basis, welcoming many visitors from overseas and providing courses covering skills in platemaking, press set up, printing and machine maintenance.

Focus Label Machinery offers:

- > Dedicated training and showroom facilities.
- > Specialist courses designed with the client in mind.
- > Superb after sales service.



> Machine assembly



> Training

Focus Label Machinery Ltd reserve the right to change the specification without prior notice.
CD Rom & Video available on request.

LETTERFLEX

TEXTILE PRINT & CONVERTING SYSTEMS



tagless | halo | free

FOCUS
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