Pressing for Excellence

Fusing & Shirts

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Fusing Machines

FX DIAMOND

Taking fusing to the next level.

Consistent fusing results
due to consistent pressure over the entire operating width

Optimal fusing
thanks to exact temperature control directly at the belt

Optimal adjustment
of pressure system (soft, medium) and heating sequence (top, bottom) to the materials to be processed

Perfectly designed service concept
allows easy and regular cleaning of machine

Lowest possible energy consumption
due to:

- separate feeding belt, no cooling of transport belt outside of machine
- complete encapsulation of heating units for extremely low heat loss
- decoupling of heating zones from machine frame

Consistent fusing quality
due to optimized cleaning of the belts both on the inner and the outer side. Consequently, major reduction in soiling of roller and fusing material

Easy operating
with new 7" colour touch display

Reduced wear and tear of belt
through contact-free belt control

Prevention of faulty fusing
through start/stop function in the event of
a diversion from pre-set fusing parameters

The new heating control system

Outstanding fusing results thanks to an extremely precise control of the two important fusing parameters – temperature and pressure

Modern high-tech interlinings often have only a rather small temperature range for optimal bonding with the glue. Consequently, exact temperature control today is far more important than ever before. To meet these requirements, VEIT has developed a new, innovative heating control system.

The new control element measures the temperature directly at the belt and therefore reacts extremely fast to any changes. The pre-set temperature can be maintained at a constant level and be precisely controlled. In combination with the tried-and-trusted VEIT Kannegiesser heating units and the geometry of the heating zones, the adhesive's flow properties are perfectly set for further processing.

The Heating Element

For perfect heat radiation, stability over the entire width of the machine is essential. The heating element's aluminium construction absorbs only little energy, thus allowing best possible heat transfer to the fusing material.

Configuration of heating zones BOTTOM or TOP

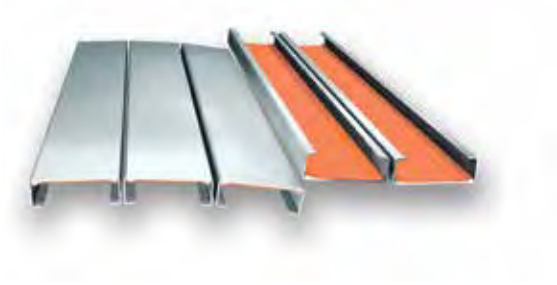
Different applications require individual technical solutions. The design of the heating element when fusing outerwear parts will differ from the layout for an application in shirt fusing. Perfect adjustment of the heating zone is essential for successful fusing. VEIT Kannegiesser's configurable heating zones are the answer to this challenge. This unique technology allows optimised adjustment of the fusing machine to the individual application.

Benefits

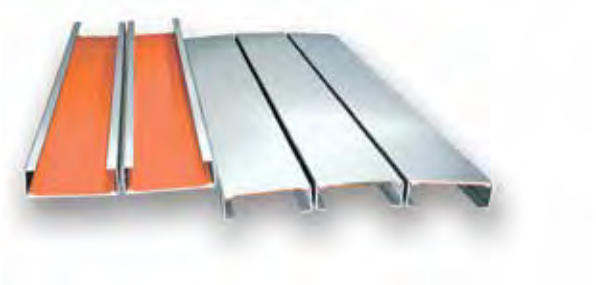
- Even temperature transfer to the whole fusing area
- Minimum loss of heat thanks to optimum heat control
- Fast adjustment to changes in temperature with no loss of time
- Exact temperature control without any significant deviations
- Targeted heat transfer without loss of energy thanks to special insulation

FX DIAMOND

Efficiency meets perfection.



Bottom



Top

Heating zone 3/2 bottom/top

For fabrics and interlinings in outer wear the 3/2 bottom/top arrangement brings perfect results. The upper fabricis gradually warmed by the first lower heating zone, limiting shrinkage to a minimum. Heavier fabrics also react positively to this arrangement of heating elements.

Heating zone 2/3 top/bottom

The 2/3 top/bottom arrangement of heating elements is the standard layout at the FX Diamond for shirts and sportswear. The initial upper heating zone melts the adhesive to the interlining. The extended lower heating zone then draws it downwards into the upper fabric.

VEIT *eMotion* in the new FX Diamond

Our holistic eMotion approach was very much in the focus when developing our new machine generation. Your production will sustainably benefit from the economic use of resources:

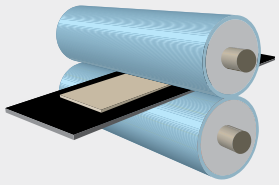
- Cost savings through a decrease in power peak loads
- Use of the stand-by function saves energy. Within a few seconds, the machine is back at its operation temperature when needed
- Energy savings through fully insulated machine with encapsulated and thermally decoupled heating cartridge
- Reduced rejects: faulty fusing is avoided through start/stop function in the event of a diversion from parameters
- Reduced air-conditioning costs thanks to extremely low heat radiation of machine
- The reduced heat radiation creates a pleasant work environment with satisfied employees and little absenteeism

Pressure systems

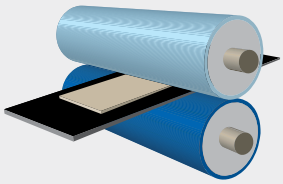
The FX 1000/1400 pressure system

VEIT Kannegiesser technology plays a leading innovative role in sensitive pressure systems: We have developed and patented modular pressure and double pressure systems that exactly meet the user's individual requirements thanks to special configurations.

Standard pressure system C



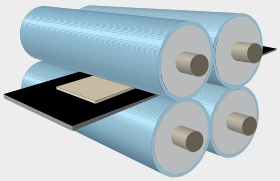
C S (soft)
Designated use: Pressure-sensitive materials in outer wear (in particular men's and ladies' wear and casual shirts)



C M (medium)
Designated use: Men's wear (highly twined) and dress shirts

- Ideal combination of roller hardness for each purpose
- Different roller combinations for outerwear and shirts

Double pressure system CU



CU S (soft)
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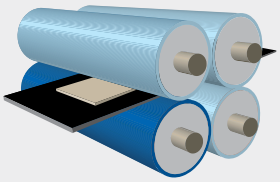
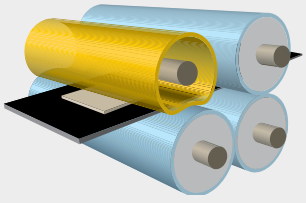


CU M (medium)
Designated use: Men's wear (highly twined) and ladies' wear and dress shirts

- Proven performance in particular with difficult-to-fuse combinations of fabrics and interlinings
- Universally applicable since the two pressure systems can be operated independently or in tandem
- Both pressure systems can be adjusted individually
- Better adhesion of thick interlinings and upper fabrics when using both pressure systems
- All qualities can be easily processed, from very thin to very heavy interlinings

Double pressure system CFC – FLEXO



CFC
Designated use: Pressure-sensitive and heavyweight materials which are prone to compress during fusing

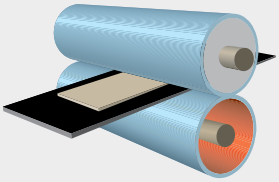
- Patented VEIT Kannegiesser double pressure system CFC, specifically for delicate fabrics
- Air-filled roller allows very gentle fusing thanks to even pressure distribution over the whole fusing area
- Both pressure systems can be adjusted individually

The COPRA pressure system (Constant Pressure Appliance)

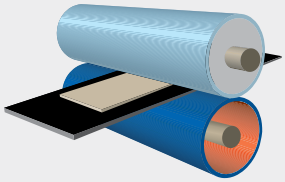
When fusing different materials, even pressure appliance over the entire belt width is essential.
For physical reasons, this is very hard to achieve, in particular for widths exceeding 1000 mm. VEIT has found the solution for this challenge with the new COPRA pressure roll (COnstant PRessure Appliance). With its unique design, this roll ensures an absolutely even pressure over the entire belt width.

Your benefit: **Perfect fusing results.**

Standard pressure system COPRA C



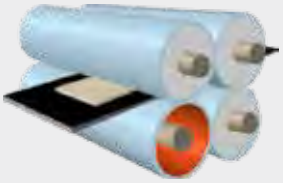
C S (soft)
Designated use: Pressure-sensitive materials in outer wear (in particular men's and ladies' wear and casual shirts)



C M (medium)
Designated use: Men's wear (highly twined) and dress shirts

- Excellent fusing result
- Ensures additional stability even under very high pressure
- Meets all quality requirements of leading interlinings manufacturers
- Equipped alternatively for fusing either outerwear or shirts

Double pressure system COPRA CU



CU S (soft)
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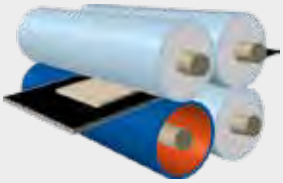


CU M (medium)
Designated use: Men's wear (highly twined) and ladies' wear and dress shirts

- Excellent fusing result, in particular for very thin, difficult-to-fuse outer fabrics and interlinings
- Ensures additional stability even under very high pressure
- Universally applicable since the two pressure systems can be operated independently or in tandem
- Ideal solution for production facilities with many different uper fabrics and interlinings
- Highly recommended for highest quality standards and challenging fusing combinations

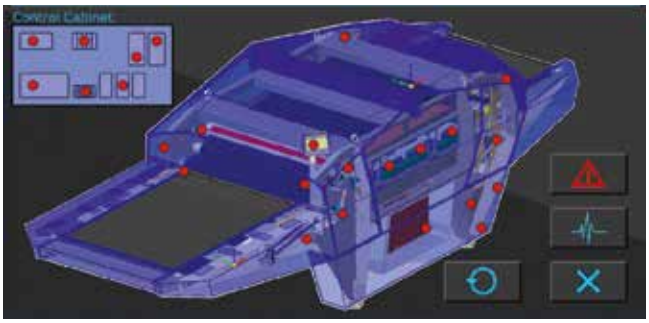
The control panel

Never before has a fusing machine been so easy to operate

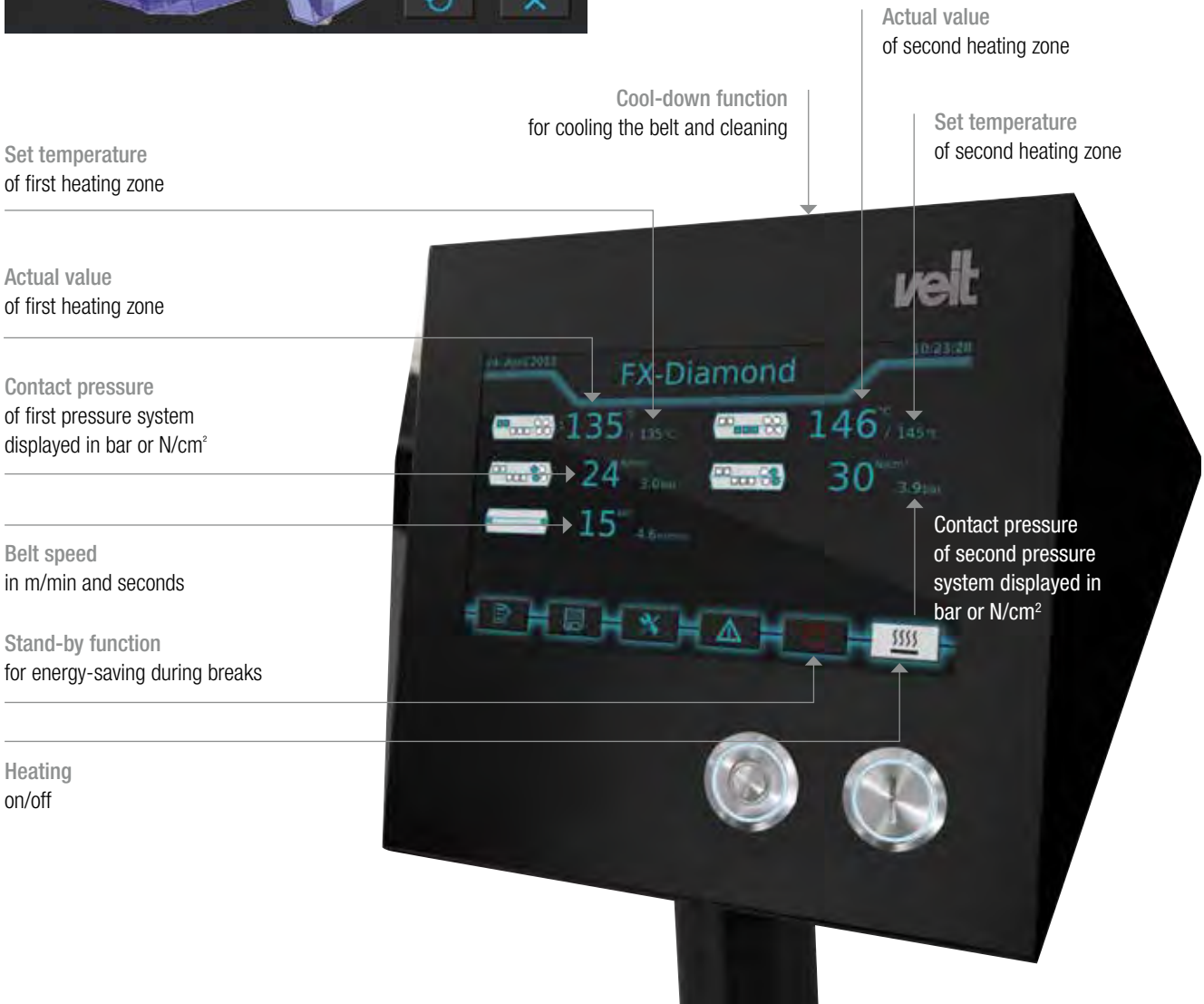
Focussing on the essential and combining it with an intuitive operation – these have been our goals in designing the new 7" colour touch screen control panel.

All the relevant fusing parameters are available at a single glance on the modern, user-friendly display. In the event of a parameter digressing from the pre-set values, say temperature is too low, the font colour turns into red and the feeding belt stops further feeding into the machine.

In addition, fusing programs can be created and saved in the control panel. They can then be copied to other FX Diamond machines via USB port.



- Language selection
- USB port for making program copies
- Diagnostic system for the proper functioning of heating elements, compressed air supply, belt running, error log



Easy cleaning – for ideal fusing results

When designing the new FX Diamond fusing machine, maximum attention was paid to easy access and to a best-possible layout of all cleaning features.

Besides cleaning the external part of the belt, the inner sides need regular cleaning too. Fluff and grit tend to accumulate there, soiling the pressure rollers. Even pressure distribution is then inhibited – the fusing result deteriorates.

In order to facilitate this very important cleaning process for the operator, the cleaning procedure is explained step by step in a separate cleaning manual.

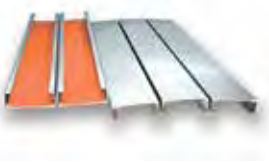
This helps even unskilled operators to perform the process easily and effectively. After switching off the machine, instructions start automatically. First, the cool-down function is activated. Heating elements will switch off while belts continue running. At this point, belt cleaning can start without damaging the belt.

The optionally available extendable wiper considerably increases accessibility for cleaning. The sophisticated mechanism first swivels the wiper from the belt and then turns it to allow easy cleaning of the belt edge.

You can find more information about cleaning on our homepage:

FX Diamond 1000/1400

- Control Panel
  - Touch Screen
- Heat Zone Configuration
  - Top: First Heat Zone Top
  - Bottom: First Heat Zone Bottom
- Feeding System
  - Separate Loading & Fusing Belt FE



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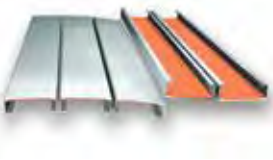


Bottom

Feeding System

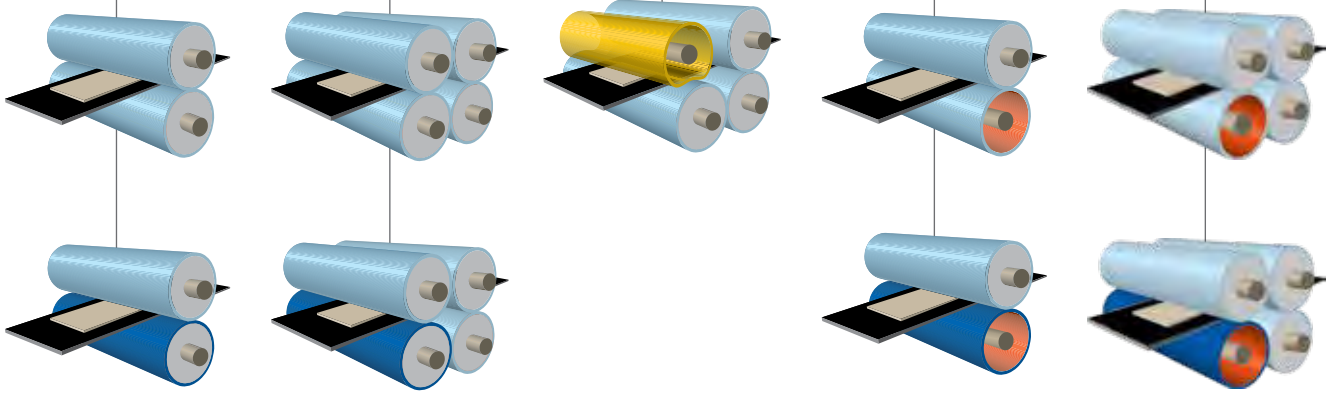
FE

FE-L

ET

Pressure System

- Standard Pressure System C
- Double Pressure System CU
- Double Pressure System CFC Flexo
- COPRA Pressure System C
- COPRA Pressure System CU



MultiStar DXT 1400L/1600-Series

The **DXT** is the ideal solution for clients working with especially heavy or absorbent fabrics or those with large production runs where speed is required.

The Control Unit:

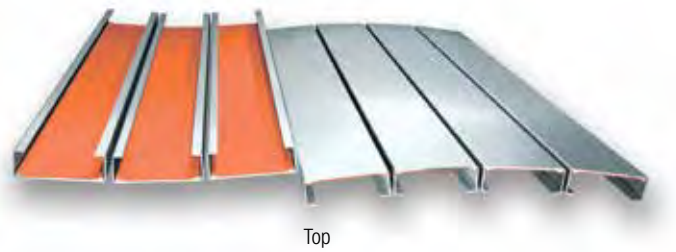
Touch Screen Control offers additional information on current operation conditions and has a programmable memory.

Touch screen control functions:

- Set/actual temperature
- Pressure displayed in bar or N/cm²
- Belt speed displayed in m/minute and seconds
- On/off function
- Program memory
- USB ports for printing, exchanging and reviewing programs
- Diagnostic system for heating elements, compressed air supply, belt progression and error reports

Advantages:

- Easy operation
- Selection of many languages
- Color coded error report for current and resolved errors
- Three coded control access levels, avoiding programming errors



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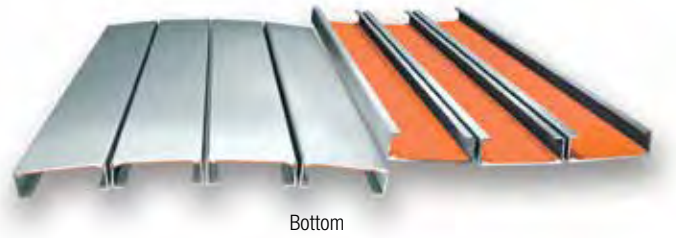


Bottom

The Heating System:

The thermically efficient and energy saving heating elements are at the cutting edge of today's fusing machine technology.

The Heat Zone Configuration – BOTTOM or TOP

A special feature of this machine is the availability of various heat zone configurations, allowing for customization to meet individual client needs. The ability to convert from one configuration to the other for specific applications is unique to this machine. The DXT is equipped with an extended heat contact chamber, allowing higher speed of the fusing belt and thereby increasing productivity.

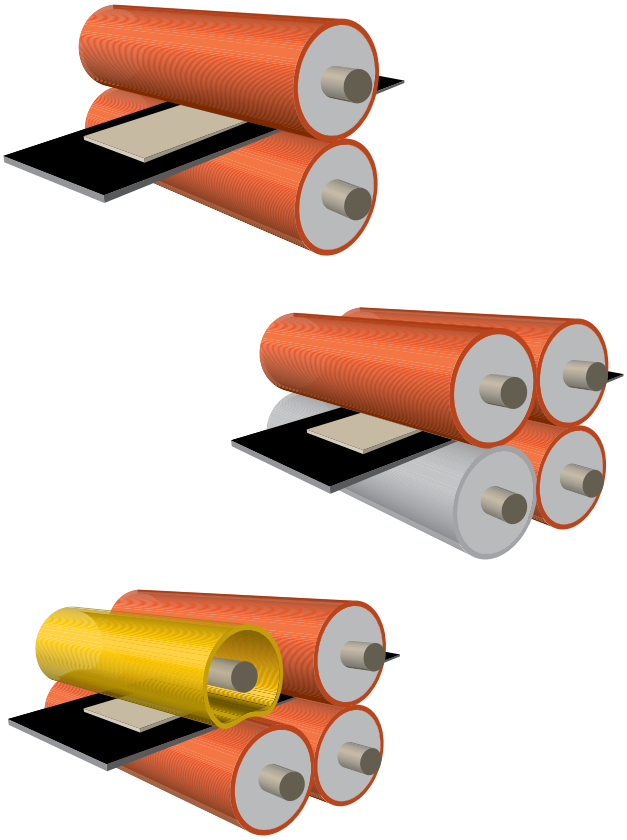
The Heating Element

Aluminum profile construction optimizes energy efficient heat transfer.

Advantages:

- Uniform surface temperature
- Uniform temperature distribution
- Minimal heat loss due to optimal heat transfer
- Rapid temperature change
- Exact temperature control
- Specially insulated heating elements for minimal energy waste
- Extended heating zone for increased productivity

MultiStar DXT 1400L/1600-Series (continuation)



The Pressure System:

After the heating system, the pressure system is the most important aspect of quality fusing. VEIT Kannegiesser is known for its leading pressure technology, the most underestimated aspect of a fusing machine. Our unique modular pressure system meets individual client needs through customized configurations.

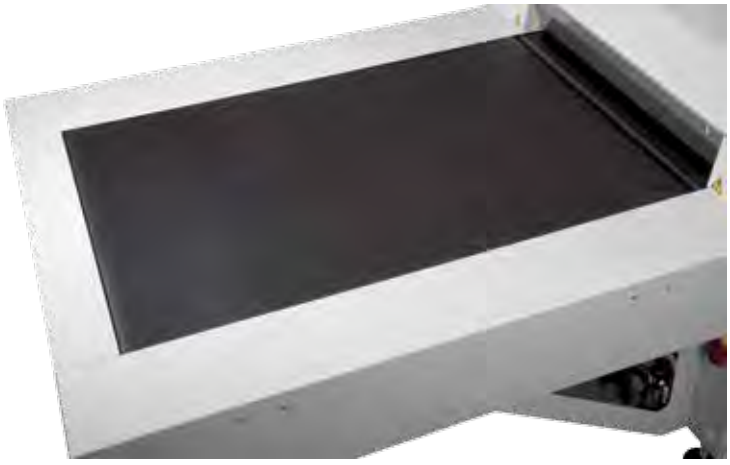
Standard Pressure System DXT 1400L/1600 C
Applicable for a broad range of modern fabrics used in sportswear, this system provides problem-free fusing with light to middle weight fabrics.

Double Pressure System DXT 1400L/1600 CU
Applicable for difficult-to-fuse fabrics or those with elasticity, the double pressure systems are individually controlled, allowing for different pressures to be applied and offering our clients great flexibility and avoidance of pressure problems. Both pairs of pressure rollers operate independently from each other and offer continuous loading.

FLEXO Double Pressure System DXT 1400L/1600 CFC
The combination of FLEXO and standard pressure systems serves as the definitive answer for all applications. The air-filled FLEXO rollers offer flexibility as they adjust to the fabric and are especially effective on pressure sensitive fabrics. Both the FLEXO and standard pressure rollers operate independently from each other and allow continuous loading.

Advantages:

- Three options:
  Standard, Double, or FLEXO Double Pressure systems
- Both double pressure systems offer a broad range of pressure variations for various fabric and interfacing combinations
- Pressure is always indicated in bar or N/cm²



The Loading System:

The DXT is equipped with a separate loading station, independent of the fusing belt.

Advantages:

- Separate on/off functions independent from fusing belt for loading and fusing belts, avoiding errors
- Misfusions easily avoided in the event of improper loading
- Effortless and smooth transfer from loading to fusing belts due to synchronized systems
- Comfortable working conditions for operators at unheated loading station
- Extended loading station accommodates oversized items or multiple operators to maximize machine usage

FuseMaster BX 600/1000 Series

The compact solution!

Designed for daily use in outerwear or dress shirt productions. This sturdy and reliable machine is the optimal solution in both cases.

Advantages:

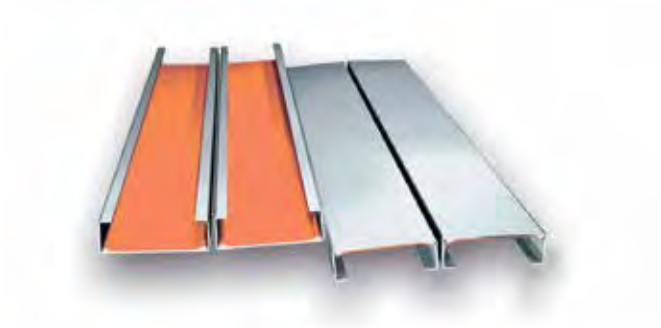
- Sturdy, compact design requires minimal floor space
- Extended heat chamber
- Rapid machine warm-up
- Totally reliable and adjustable/maintains accurate temperature and pressure

The Control Unit:

Control of the fusing parameters is of utmost importance in a fusing machine, where all important details can be overseen in a clear and readable manner. Fluctuations in temperature are highlighted to draw quick attention.

Advantages:

- Separately controlled and adjusted upper and lower heat zones, individually adjustable for various fabric and interlining combinations
- Clear, simple color display with temperature control to prevent too low or too high temperatures
- Diagnostic system for belt progression, electrical supply and compressed air supply

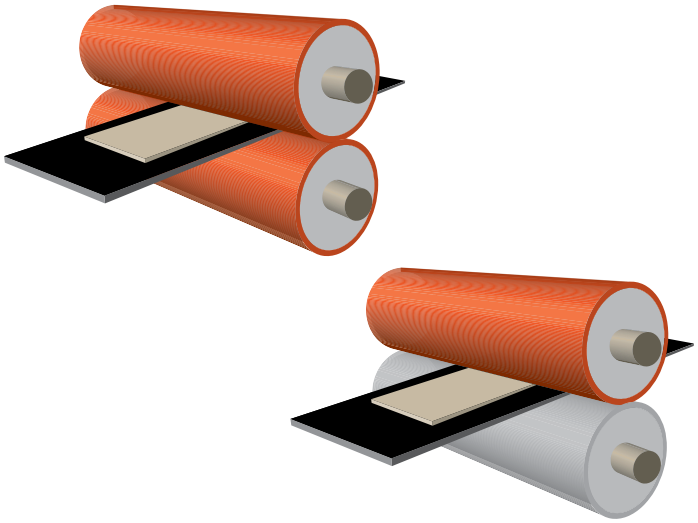


The Heating System:

As with all continuous VEIT Kannegiesser fusing machines, our special heating elements play an important role. Clearly defined heat zones provide for optimal fusing results.

Advantages:

- Uniform surface temperature due to curved heat zone
- No gaps between heating elements, facilitating uniform heat distribution
- Rapid temperature change
- Specially insulated heating elements for minimal energy waste



The Pressure System:

The precise pressure for successful fusing of different interlinings and fabrics varies; therefore, a pressure system must be able to address these needs. The BX is the only fusing machine in its class offering a choice of two standard pressure systems to best meet the needs of our clients.

BX 600/1000 S (soft)
Applicable for pressure sensitive fabrics used in sportswear and especially in women's and men's apparel

BX 600/1000 M (medium)
Applicable for common fusing applications in goods with high-twist yarns and dress shirt industry

Advantages:

- Roller combinations can be chosen between soft and medium
- Fast exchange of pressure rollers possible at any time

Options for the FX, DXT and BX Series

Return-to-Operator System – RF (for BX)

A return-to-operator system is especially beneficial for smaller production runs, allowing a single operator to both load and unload the machine.

Advantages:

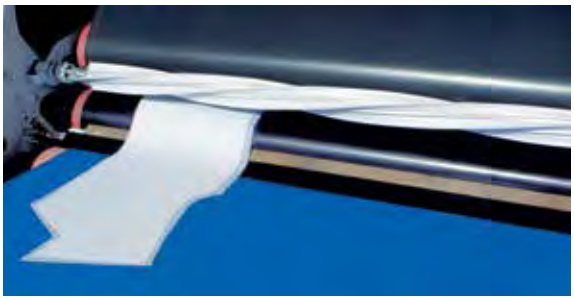
- Ideal for minimal work space
- Accommodates two independent operators

Waistband Fusing Device (for FX, DXT, BX)

Continuous roll to roll fusing is possible for trouser and skirt waistbands.

Advantages:

- All waistbands for one particular product are on one roll, maintaining product integrity
- Fusing occurs according to a continuous sequence

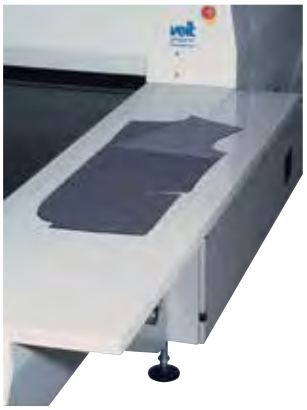


Rotating Strip-Off Device (for FX, DXT)

Through rotation of strip-off device along the upper belt, pieces adhering to the belt are gently and effectively removed.

Advantages:

- Gentle removal of pieces from the upper belt with rubber ridges
- Unique design allows damaged ridges to be replaced individually without removal of the entire strip-off device, facilitating rapid and cost effective repair
- Low maintenance



Lateral Loading Tables (for DXT)

For preparation of oversized pieces, the fusing machine can be equipped with lateral loading tables.

Loading Systems for FX, DXT

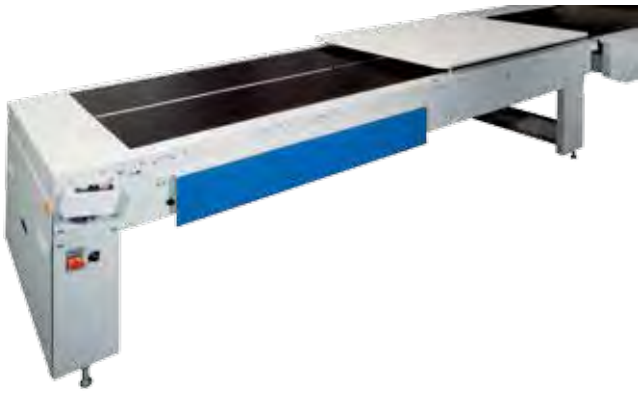
A loading system may be incorporated for even more efficient use of the fusing machine.

FE-L Loading System

The **VEIT Kannegiesser FE-L** is an extended version of the FE loading belts in the FX series. The **FE-L** can either be added to extend the standard FE loading belts or can be installed instead of the standard FE loading belts. An extended loading zone allows for additional operators.

Advantages:

- Foot switch can be used to start and stop the belt
- Oversized pieces can be processed
- Additional operators can be utilized for loading
- FE-L can be installed on the DXT
- As an additional installation – 4400 mm (176 inch)
- As the primary installation – 3000 mm (120 inch)



ET Timed Loading Belt

The **ET timed loading belt** is an additional function of the FE. As an accessory to the assembly belt, a timed belt acts as a buffer between the rapid speed of the loading belt and the slower moving feeding belt.

Advantages:

- Choice of cycles including timed, continuous or coupled lanes
- Pieces positioned precisely on a motionless belt
- Independent functioning of adjacent belts
- Automatic speed adjustment of the timing belt

V-AST Stacker

It is important that fused assemblies be handled gently to allow them to cool prior to further processing.
The **VEIT Kannegiesser V-AST Stacker** guides the fused assemblies from the loading system's cooling belt to the unloading table. At this point the unloading table is activated by a sensor and moves under the piece until the entire length is transferred. Thereafter, the unloading table returns to its position under the belt to receive the next piece. This system is available for working widths 1000, 1400 and 1600, from two to four separate operating trays.

Advantages:

- Automatic stacking of fused assemblies
- Choice of various belt widths
- Coupling of stacker lanes for extra wide pieces
- Flat transfer of fused assemblies
- Pieces placed in order
- Pieces placed for precise bundling

AX 450 – Small-yet-powerful Fusing Machine

Despite its minimized dimensions, the **AX 450** offers the same attributes as the larger models. It can be utilized for fusing waistbands as well as full-fledged fusing of sportswear and dress shirts.

Advantages:

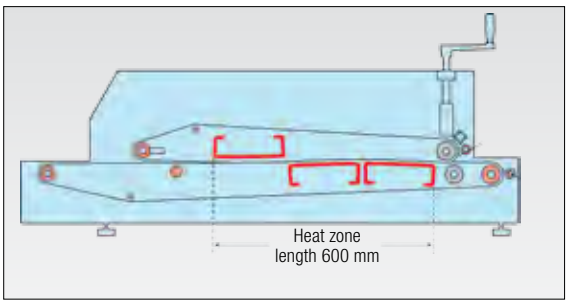
- Full-fledged fusing for small production runs, labs or assembly lines
- Requires no compressed air
- Single phase electrical connection
- Rolling stand design
- Partial fusing capabilities

The Control Unit:

Even our compact fusing machine comes equipped with a full-fledged control unit.

Advantages:

- Unique in its class, a diagnostic system for heating elments, motor control and belt control
- Clear, simple color display for under or over heating
- Calibrated thermostat, necessary for belt exchange or different belt types
- Set/actual temperature monitoring



Heating System
Pressure System

The Heating System:

The heat technology and heat zone configurations are incorporated from our larger fusing machines, guaranteeing maximum quality.

Advantages:

- Separate upper and lower heat zones
- Proven VEIT Kannegiesser surface heat technology with uniform surface distribution
- Minimal energy usage, with each outlet serviced by 16 amp fuse
- Panel heating elements provide specific heat transfer with minimal energy waste

The Pressure System:

The **AX 450** has a sophisticated mechanical pressure system which operates without compressed air and yet delivers precise pressure. Pressure specifications are shown in N/cm², as requested by leading interfacing suppliers.

Advantages:

- Requires no compressed air
- Pressure adjustable from 0 N/cm² to 33 N/cm²
- Low maintenance system
- Precision adjustments

Options:

Unloading Slide

Accommodates large and small fused assemblies for cooling.

Waistband Fusing Device

Various options are available for mechanical unwinding and rewinding for waistband fusing. The waistband fusing device may be operated individually or by two people. We further recommend a loading guide for accurate positioning of the face fabric and the interlining.

Mechanized Rewinding “Stretch”

We offer an electronically driven option for rewinding fused waistbands of elastic fabrics, eliminating stretch.

BH 600 – Shirt Fusing Machine

Specifically designed for fusing dress shirt collars and cuffs, this machine is equipped with an active cooling system and is operated by one person. When equipped with the **BH ST 600 Stacker**, an optical sensor causes all fused assemblies to be collected automatically.

Advantages:

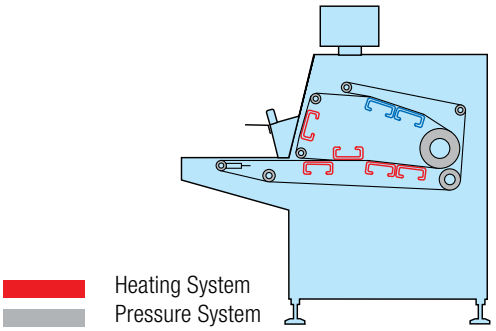
- Can be operated by one person
- Proven VEIT Kannegiesser panel heating technology
- Active Cooling System for fused assemblies
- Optional stacker available for higher productivity

The Control Unit:

Reliability in terms of fusing parameters is essential for the fusing operation. A clear display of those parameters on the fusing machine is important for the operator to maintain an even quality.

Advantages:

- Clear display of fusing parameters
- Clearly visible by seated operator
- Diagnostic system for heating elements, motor control and belt progression
- Clear, simple color display with temperature control to prevent too low or too high temperatures
- Set/actual temperature monitoring
- Control indicators for active cooling system



The Heating System:

As with all VEIT Kannegiesser fusing machines, the **BH 600** is equipped with our proven panel heating technology.

Advantages:

- Exact and separate temperature adjustments for upper and lower heating zones
- Uniform surface heat distribution over the entire fusing width
- Panel heating elements provide specific heat transfer with minimal energy waste

Lean Production Line

BH 600 – Shirt Fusing Machine (continuation)

The Pressure System:

The pressure system for fusing dress shirts is very important, because most adhesive resins for shirts require high pressure. With the **BH 600**, the fused assembly is held under additional contact pressure after proceeding through the initial pressure system.

Advantages:

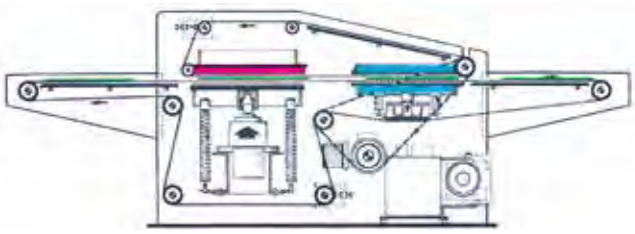
- Pressure adjustable from 0 N/cm² to 46 N/cm²
- Large return drum delivers contact pressure, ensuring success full adhesion

Options:

BH ST 600 Stacker
Can be retrofitted or factory installed.
This stacker straightens and stacks fused assemblies.

Advantages:

- Higher productivity
- Collars and cuffs stacked for precise bundling
- Suitable for Lean Production Lines



Heating System
Water cooling

HKH 5.6/7 Hydraulic Fusing Press

VEIT Kannegiesser's state-of-the-art **hydraulic press HKH** achieves an unrivaled adhesion quality. The excellent pressure system is combined with a strong, reliable heating system and is mainly used in the classic dress shirt industry.

Advantages:

- Excellent adhesion
- Active cooling system, allowing for immediate further processing
- Automatic cycle adjustments provide highly effective cooling
- Requires no compressed air

The Control Unit:

Various work modes may be selected from the control panel, including an automatic mode which allows continuous loading. Temperature, timing and pressure are all individually adjustable. Collars are guided through the pressing and heating stations by a timing belt. They are then pressed according to the preset temperature and pressure.
When the timer expires, fused assemblies proceed to the cooling station where they are cooled under applied pressure while the next collars are guided into the heating station. After the cycle is completed, the cooled fused assemblies are guided to the single operator unloading station.

Shirts

ASP – Armhole Seam Press*

Fusing reinforcement tape within the armhole seam

- A uniquely designed buck shape **adapts to various armhole styles for maximum flexibility**
- **Separately controlled heat zones** guarantee **even temperature** transfer by digital temperature regulators **all over the buck**
- **Even pressure supply** by air cushion
- Precise pressure and temperature to **avoid any delamination** during washing
- Vacuum function for fast and simple preparation and **quick cool down** after fusing
- Timer-controlled
- Reliable safety system

SSP – Side Seam Press*

Pressing and fusing of both side seams

- **Pressing** and **fusing of both side seams** at the same time
- **Separately controlled heat zones** guarantee **even temperature** transfer by **digital temperature regulators**
- **Reliable pressure supply** by air cushion
- Even pressure and temperature all over the buck for homogenous and **reliable pressing and fusing result**
- Vacuum function for fast and simple preparation and **quick cool down** after fusing
- Timer-controlled
- Reliable safety system

* not for sale in Europe and Turkey

VEIT 8905

Pressing of collar and cuffs

- Electrically heated buck shapes
- Also available as steam heated version
- Suitable for pre-washed or moisturized shirts
- Control unit for temperature and pressing time
- Specially shaped upper buck made of polished stainless steel
- **Integrated vacuum-function**
- **Central, even pressure supply**

FPD – Front Placket Device

Fusing/Finishing of front plackets

- This **all-purpose machine** can be used either for **fusing** or **finishing** front plackets.
- The design of the heating plate is arranged to **avoid temperature fluctuations,** thus guaranteeing a **stable temperature**
- Different materials can be processed due to the **precisely adjustable pressure**
- Suction makes it **easier to position** the garment exactly before pressing and guarantees an **optimal cooling** after pressing
- A clamp for bulk production at the front of the machine can hold a number of front plackets in order to work according to the **water fall principle.** It also helps to improve the workplace design
- High pressure up to 6 bar

VEIT 8326 Shirt Finisher

Finishing the complete shirt

Best solution for casual shirts and shirts with a textured surface, which cannot be processed in a press. Also suitable for dress shirts. The spring-loaded pneumatic sleeve tensioners for long and short-sleeved shirts finish the cuffs without leaving marks. Various garments of different sizes, shapes and materials can be finished on this machine efficiently and to the highest quality standard.
An excellent price/performance ratio results in a fast amortisation of the **VEIT 8326 Shirt Finisher**.

Advantages:
- Optimal forming due to 3-D movable tensioning elements
- Automatic adjustment of width from XS to XXXL
- Belt drive for a smooth and gentle movement of the hem clamp
- Precise re-streching during the finishing process
- Integrated re-stretching function prevents wrinkles
- Automatic height adjustment
- Extra-high blowing power

Long sleeve and short sleeve shirts can be fixed without marks with the **drop shaped sleeve tensioner**. Its pneumatic height adjustment can be panel-controlled for one side or both sides together.

The new optional **cuff-tuck-press** for a perfectly ironed cuff-tuck look. The heat accumulation plate provides fast drying of the seams and makes a perfect finish of the cuff-tuck.

The **hem clamp unit,** especially pervious to air for fast drying of the side seams and crease-free fixation of the shirt hem.

Touch screen control unit

A clearly arranged touch screen panel shows all the important functions at a glance. The easily understandable symbols make the operation very simple. An integrated counter provides information about the output.

Flexible Bust Sizes*

› Bust S – perimeter 690 mm (27.2 inch) for blouses
› Bust M – perimeter 780 mm (30.7 inch)
› Bust L – perimeter 935 mm (36.8 inch)

The shoulder width is adjustable for bust M and L between 45 and 58 cm (17.7 – 22.8 inch). Shoulder width bust S is 42 cm (16.5 inch) (is not adjustable).
There are also different hem circumferences:
› S: 88 – 150 cm (34.6 – 59.1 inch)
› M: 98 – 160 cm (38.6 – 63.0 inch)
› L: 107 – 179 cm (42.1 – 70.5 inch)

For bust L, an **automatic unloading station** is optionally available to shorten cycle times and increase productivity.

Heat Recovery System*

The optionally available heat recovery system absorbs the radiated heating energy and dries the humid air with the help of a heat exchanger. Your benefits:
› considerable energy savings of up to 30 %
› increased drying performance – shorter process cycle times
› less heat radiated to the surroundings
› pleasant room climate thanks to the reduced humidity

eMotion Moisture Control*

This optional control unit measures the dryness of the shirt and automatically switches off the blowing as soon as the shirt is dry, thus reducing processing times and saving energy.

Automatic Unloading*

The optionally available unloading station allows an even higher productivity and a perfect flow of goods. A hanger is first given into the slotted bust and the hook hung into the unloading rail. Then load the shirt and start the finishing process. At the end of the cycle, the hanger with the shirt is automatically taken out and then slides towards the operator so that he can close the buttons.

* optional

Universal Finisher VEIT 8319/VEIT 8319 E

Finishing the complete shirt

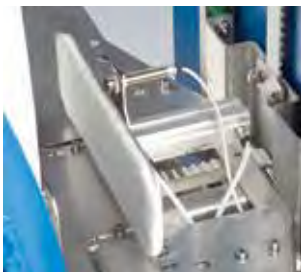
The big advantage of this machine is its **universal usability.** It is made **for shirts and blouses** but can also be used for finishing **sports jackets and coats.**

The pneumatic sleeve tensioners for **short and long sleeve shirts** finish the sleeves without marks. The **powerful hot air fan** provides enough power to finish shirts very efficiently with good quality. With the **exchangeable lapel clamps** the finisher can be adapted to your individual needs.
On demand also available as electrically heated version **VEIT 8319 E Basic**.

Advantages:
- Optimal forming due to 3-D movable tensioning elements
- Automatic adjustment of width from XS to XXXL
- Belt drive for a smooth and gentle movement of the hem clamp
- Integrated re-stretching function prevents wrinkles

Side vent fixing

The **automatic side vent fixing device** is not only used on side vents, but is generally used for holding the shirt or smock seams.



Automatic height adjustment

Exact height adjustment of the tensioning unit by Belt-Drive-System controlled by photocell.

The control unit

The control unit is clearly arranged and easy to handle for controlling the individual finishing steps. The hand finisher for touch up is positioned to allow fast ergonomic access.

TwinStar HP-V4 Body Press

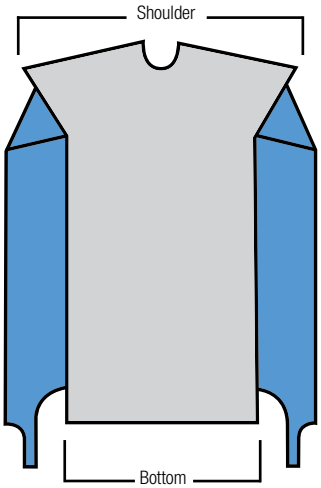
Two Versions: Standard/Slim Line Shirts Version

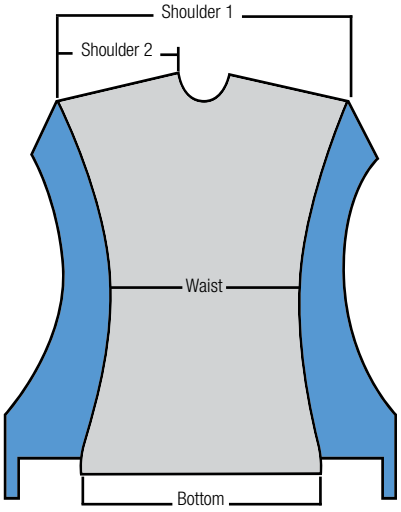
Pressing of shirt body

HP-V4 is equipped with two dummies. While one shirt is pressed, the other one can be loaded by the operator. Due to an almost fully **overlapping workcycle,** efficiency is unbeatable.

Due to high temperature and pressure, the **fabric is smooth and wrinkle-free all over the shirt body.**

The **economically working** oil-heated pressing plates provide a **most even heat distribution,** proved in more than 1.000 machines sold, working day by day for more than 30 years. Breast pocket and front placket are pressed at the same time. The shoulder airbag device stretches the yoke of the shirt smoothly, **to avoid any wrinkles** which later could be seen after bagging.
Guides are available as an option for back centre box pleats.





TwinStar HP-V4 Body Press for Slim Line Shirts:

Specially designed dummies have been developed to match Slim Line shirts.

Version 1:

TwinStar Dummy Sizes Standard:

Three different dummies are available, with which the **HP-V4** can be equipped, depending on size, shape and fashion of the shirts to be pressed.

HP-V4	Dummy 4.4 Wide Shoulder	Dummy 4.4 Standard Shoulder	Dummy 3.5 Medium Shoulder
Shoulder	600 mm (23.6 inches)	550 mm (21.6 inches)	480 mm (18.9 inches)
Bottom	440 mm (17.3 inches)	440 mm (17.3 inches)	350 mm (13.8 inches)

Version 2:

TwinStar Dummy Sizes Slim Line:

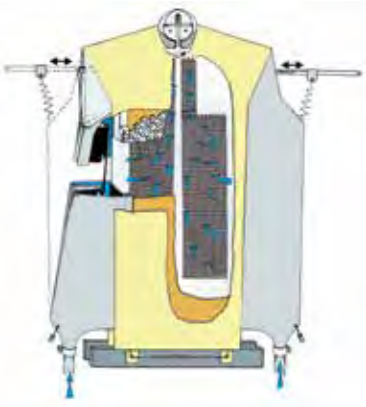
Three different dummies are available for pressing slim line shirts. The new touch screen panel and the airbag technology allow exact manual adjustment to the waist size.

HP-V4-SL	SL 440 mm (inches)	SL 470 mm (inches)	SL 500 mm (inches)
Shoulder 1	440 (17.3)	470 (18.5)	500 (19.7)
Shoulder 2	160 (6.3)	175 (6.9)	190 (7.5)
Waist	350 (13.8)	400 (15.7)	400 (15.7)
Bottom	460 (18.1)	500 (19.7)	500 (19.7)

TwinStar HP-V4 Body Press (continuation)

Touch Screen Control

Designed to be **simple and logical.** Not only temperature and dwell time, but also features like pressure and other important **parameters can be changed and saved at a time.**
A piece counter comes as standard. An error protocol clearly shows any misfunction to avoid down times. Saves programs can be named alphanumerically.



The shirt is placed on the dummy by the operator. The collar is turned up in order to press the entire shirt body up to the collar band. Button and buttonhole placket are pressed separately. Airbags on both sides are inflated to ensure best contact to the hot plates all over the shirt body. **Shoulder airbags stretch the shirt vertically.**

Advantages:

- Consistent quality
- Much faster than hand ironing
- Better control on production
- No fabric damages through overheating
- Easy and fast training of operators
- Only small space required

Moulded pressing plates adapt to the dummies.
For best pressing results, airbags are integrated into the dummies, so that the entire shirt body will be exposed to the adjustable temperature of the **oil-heated pressing plates.**
The entire shirt body is pressed.

Shirts with box pleats can be pressed properly
with an added guide for box pleats.

The TwinStar HP-V4 System

After the body is pressed, the shirt has to be buttoned, folded and bagged. All these operations can be combined within a relatively small area. VEIT Kannegiesser has all the accessories for a succesful work flow to avoid touching the shirt to much too prevent marks.

Automatic Shirt Unloader H-EN

VEIT Kannegiesser H-EN was designed to increase productivity of the **HP-V4**. After pressing, the shirt is unloaded automatically. **The H-EN** takes the shirt off the dummy and places it onto the conveyor system **(H-TS).**

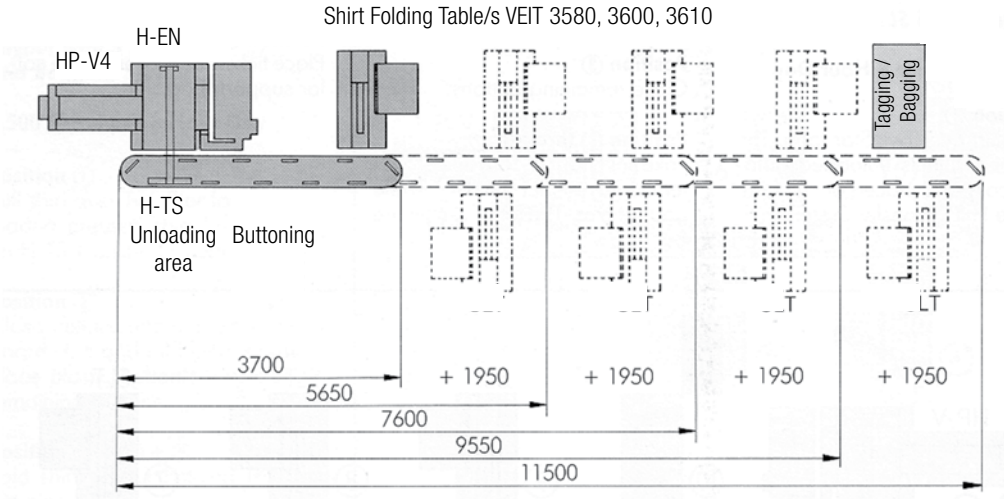
Advantages:

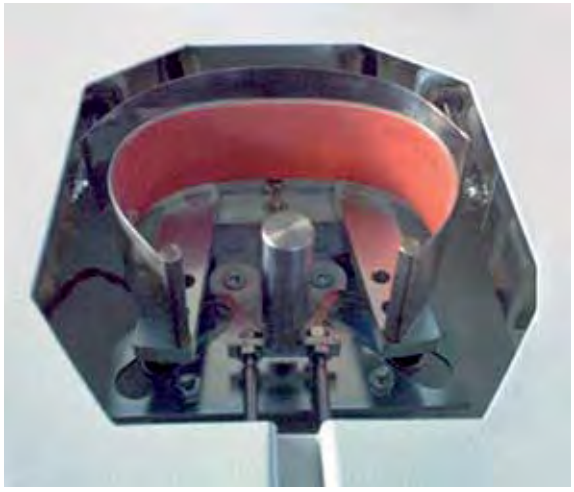
- H-EN can save one operator for unloading
- Time for the shirt to cool down
- No finger prints on the shirt
- Considerably increased productivity
- Small space required
- Transparent work flow

Shirt Transfer Carousel H-TS

H-TS is a conveyor system on which the pressed shirts are loaded by **H-EN**. **H-TS** is not only a storage carousel, but also used for the buttoning process and for feeding the folding tables situated next to the carousel. The length of the carousel can be ordered individually to correspond to the number of tables needed.

Shirt Transfer Carousel H-TS





Shirt Folding Stations with automatic Collar Former

Maximum flexibility allows folding men's, ladies' and children's shirts in various styles, qualities and fabrics. The height-adjustable folding station with its adjustable accessories, shelves and left or right operation provides for an **ergonomic working place.** Special width of the table top and a button groove permit easy handling and an **efficient placement** of the shirt. The **folding template can be easily shifted or adjusted** (depends on unit model) for different folding sizes.

VEIT Shirt Folding Tables are all equipped with the special Universal Seamless Collar Former.

- Automatically adjusting to **a wide range** of shirt collar sizes
- Made in one single piece, it shapes and gives the final form with uniform pressure and heat **avoiding marks and without damage to shirt label** as it is free from heat
- A special long metallic band guarantees perfect finishing of the external part of the collar
- Electrically heated; temperature can be set adequately to the fabric on a digital controller
- Adjustment of collar shape easily possible: round oval, long oval, wide oval

VEIT 3580 Manual Shirt Folding Station

Folding of shirts

- Automatic **universal collar former**
- Manual operation for the up and down folding template
- Template according to the required folding sizes
- Digital temperature control
- Function by standard pedal

VEIT 3600 Semi-Automatic Shirt Folding Station

Folding of shirts

- Automatic **universal collar former**
- Automatic up and down movement of folding template in three steps **for an easy folding procedure** and **easy unloading of the shirt without damage to the collar shape**
- Template according to the required folding sizes
- Digital temperature control
- Pedal sequencer
- **Piece counter**
- **Cycle select** for polo shirts

Needle free!

VEIT 3610 Semi-Automatic Shirt Folding Station with Tuck-In Device

Folding of shirts

- Automatic **universal collar former**
- Automatic up and down movement of folding template in three steps **for an easy folding procedure and easy unloading of the shirt without damage to the collar shape**
- Easily **adjustable template** for different folding sizes, no storage of different plates necessary
- **Tuck-In Device:** to tuck in the shirt's tail into the shirt at the end of the folding process to avoid pins or clips. This function can be turned off when not required
- **Shoulder system:** to block the shirt shoulders in correct position during the folding process
- Digital temperature control
- Pedal sequencer
- **Piece counter**
- **Special cycle** for polo shirts

Adjustable folding sizes:
Length form 310 mm to 385 mm/12.2 up to 15.2 inch
Width from 205 mm up to 300 mm/8.1 to 11.8 inch

Fusing Machines

Continuous fusing machines

Model	Fusing width in mm (inches)	Belt Speed in m/min (ft/min)	Compressed air (Ø = 8 mm) in bar	Electric Voltage in Volt / Hz / kW	Dimensions: L × W × H in mm (inches)	Weight in kg (lb)	Consumption: Compressed air in l/min
FX 1000 C	1000 (40)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/23	4840 × 1650 × 1500 (191 × 65 × 59)	1100 (2425)	50
FX 1000 CU	1000 (40)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/23	4840 × 1650 × 1500 (191 × 65 × 59)	1200 (2646)	50
FX 1000 CFC	1000 (40)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/23	4840 × 1650 × 1500 (191 × 65 × 59)	1200 (2646)	50
FX 1000 C COPRA	1000 (40)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/23	4840 × 1650 × 1500 (191 × 65 × 59)	1150 (2535)	50
FX 1000 CU COPRA	1000 (40)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/23	4840 × 1650 × 1500 (191 × 65 × 59)	1250 (2756)	50
FX 1400 C	1400 (56)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/30.5	4840 × 2050 × 1500 (191 × 81 × 59)	1300 (2866)	50
FX 1400 CU	1400 (56)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/30.5	4840 × 2050 × 1500 (191 × 81 × 59)	1430 (3153)	50
FX 1400 CFC	1400 (56)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/30.5	4840 × 2050 × 1500 (191 × 81 × 59)	1430 (3153)	50
FX 1400 C COPRA	1400 (56)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/30.5	4840 × 2050 × 1500 (191 × 81 × 59)	1350 (2976)	50
FX 1400 CU COPRA	1400 (56)	1.0 – 12.5 (3.4 – 34)	6.5	3 × 400/50 – 60/30.5	4840 × 2050 × 1500 (191 × 81 × 59)	1480 (3263)	50
DXT 1400L C, CU, CFC	1400 (56)	1.7 – 12.5 (5.5 – 34)	6.5	3 × 400/50 – 60/42	5125 × 1970 × 1270 (234 × 78 × 52)	1440 (3168)	50
DXT 1600 C, CU, CFC	1600 (64)	1.7 – 12.5 (5.5 – 34)	6.5	3 × 400/50 – 60/48	5125 × 1970 × 1270 (234 × 78 × 52)	1600 (3520)	50
BX 600	600 (24)	1.7 – 10 (5.5 – 34)	6.5	3 × 400/50 – 60/10.8	2900 × 1150 × 1500 (114 × 46 × 60)	520 (1144)	50
BX 1000	1000 (40)	1.7 – 10 (5.5 – 34)	6.5	3 × 400/50 – 60/17.5	3600 × 1580 × 1500 (144 × 62 × 60)	670 (1474)	50
AX 450	450 (18)	1.6 – 10 (5.4 – 34)	–	1 × 230/50 – 60/3.6	2050 (82)[2] × 930 (37)[3] × 470/290/340 (18/12/14)[4]	290/340[1] (638/748)[1]	–
BH 600	600 (24)	1.0 – 2.5 (3.4 – 8.2)	6.5	3 × 400/50 – 60/12.5	1560 × 1060 × 1550 (62 × 42 × 61)	470 (1036)	1

MultiStar DXT Series: standard machine with cooling station; loading width with loading station
AX 450: [1] with base frame/ [2] without loading guide/ [3] with entry table/ [4] without base frame

* Subject to alterations. All specifications have been made to the best of our knowledge.

Fusing Machines

Pressure Values for Fusing machines		
Model and pressure system	**pressure in bar**	**pressure in N/cm²**
AX 450	mechanical	0–33 N/cm²
BH 600	1–6	6–46 N/cm²
BX 600 Soft	1–6	2–44 N/cm²
BX 600 Medium	1–6	4–49 N/cm²
BX 1000 Soft	1–6	2–44 N/cm²
BX 1000 Medium	1–6	4–49 N/cm²

Hydraulic Fusing Press					
Model	**Working Surface Height in mm (inches)**	**Plate Press Dimension in mm (inches)**	**Electric Voltage in Volt / Hz / kW**	**Dimensions: L × W × H in mm (inches)**	**Weight in kg (lb)**
HKH 5.6/7	770 (31)	560 × 700 (22 × 28)	3 × 400/50/12.5	3100 × 1350 × 1070 (122 × 53 × 42)	1450 (3190)

Options								
Model	**Working Width in mm (inches)**	**Loading Length in mm (inches)**	**Air Pressure 6 bar Ø = 8 mm**	**Electric Voltage in Volt / Hz / kW**	**Dimensions: L × W × H in mm (inches)**	**Weight in kg (lb)**	**Air Consumption in l/min**	**Lanes**
FE-L	950 (38)	3000 (120)	–	1 × 230/50–60/0.55	3130 × 1110 × 850–950 (125 × 44 × 30–38)	250 (550)	–	1
ET 4.5 / 14	450 (18)	1400 (56)	–	3 × 400/50–60/2	3130 × 1200 × 980 (125 × 48 × 39)	300 (660)	–	2
V-AST 10	1000 (40)	–	4	3 × 400/50–60/1.4/ 3 × 230/50–60/1.4	3260 × 1430 × 830–845 (130 × 57 × 33–34)	820 (1804)	45	–
V-AST 14	1400 (56)	–	4	3 × 400/50–60/1.4/ 3 × 230/50–60/1.4	3260 × 1855 × 830–845 (130 × 74 × 33–34)	920 (2024)	45	–
V-AST 16	1600 (64)	–	4	3 × 400/50–60/1.4/ 3 × 230/50–60/1.4	3260 × 2030 × 830–845 (130 × 81 × 33–34)	1050 (2310)	45	–

* Subject to alterations. All specifications have been made to the best of our knowledge, Special voltage upon request. Pictures can include optional equipment.
All standard measurements are approximate.

Shirts

Model	Page	Length in mm (inches)	Width in mm (inches)	Height in mm (inches)	Weight in kg (lbs)
Shirt finishers and presses					
ASP Armhole Seam Press	22	1180 (46.5)	1310 (51.6)	1580 (62.2)	450 (992)
SSP Side Seam Press	22	1280 (50.4)	1110 (43.3)	1600 (63.0)	450 (992)
VEIT 8905 Collar and Cuff Press Basic	23	1100 (43.3)	850 (33.5)	1790 (70.5) – 1890 (74.4)	190 (418.9)
FPD Front Placket Device	23	1400 (55.1)	1120 (44.1)	1600 (63.0)	420 (926)
VEIT 8319 Universal Finisher	26	1470 (57.9)	2220[3] (87.4) / 890[4] (35.0)	1720 (67.7)	195 (433)
VEIT 8319 Universal Finisher E	26	1470 (57.9)	2220[3] (87.4) / 890[4] (35.0)	1720 (67.7)	195 (433)
VEIT 8326 Shirt Finisher	24	1210 (47.7)	2670[3] (105.1) / 1310[4] (51.6)	1660 (65.4)	290 (639)
TwinStar HP-V4 Body Press **TwinStar HP-V4 Body Press Slim Line**	27 27	2345 (92.3)	1135 (44.7)	1745 (68.7)	1325 (2915)
Shirt folding tables					
VEIT 3580 Manual Shirt Folding Station	30	1350 (53.1)	650 (24.6)	880 (34.6) – 1080 (42.5)[1] 1360 (53.5)[2]	80 (176)
VEIT 3600 Semi-Automatic Shirt Folding Station	31	1350 (53.1)	650 (24.6)	880 (34.6) – 1080 (42.5)[1] 1360 (53.5)[2]	80 (176)
VEIT 3610 Semi-Automatic Shirt Folding Station	31	1600 (63.0)	900 (35.4)	880 (34.6) – 1080 (42.5)[1] 1500 (59.1)[2]	85 (187)

1) working height

2) total height

3) Sleeve tensioners out

4) Sleeve tensioners in

* Subject to alterations. All specifications have been made to the best of our knowledge.

Shirts

Model	Steam Consumption in kg/h (lbs/h)	Working Air Pressure in bar (lbs)	Steam operating pressure (bar)	Air Consumption in l/min (cub.ft/min)	Connected Load Volt/Hz/kW	Productivity approx. pieces/h
Shirt finishers and presses						
ASP **Armhole Seam Press**	–	5–6 (80–87)	4.5–6	180 (6.4)	1 × 230/50/2.4	120
SSP **Side Seam Press**	–	5–6 (80–87)	4.5–6	180 (6.4)	1 × 230/50/3.6	140
VEIT 8905 **Collar and Cuff Press Basic**	8–10 (17–22)[1] –	6 (87)	4.5–6	63 (1.3)	1 × 230/50–60/0.9[1] 3 × 400/50–60/3.3[2]	90
FPD **Front Placket Device**	–	6 (87)	–	184 (6.5)	3 × 400/50/2.65	180
VEIT 8319 Universal Finisher	35 (145.5)[3]	6 (87)	6.5	3 (0.1)	3 × 400/50–60/2.6 3 × 220/50–60/2.8	35
VEIT 8319 Universal Finisher E	35 (145.5)[3]	6 (87)	6.5	3 (0.1)	3 × 400/50–60/17	35
VEIT 8326 Shirt Finisher	55 (145.5)[3]	6 (87)	6.0	10 (0.4)	3 × 400/50–60/2.7–3.3 1 × 230/50–60/1.45	60–100
TwinStar HP-V4 Body Press **TwinStar HP-V4 Body Press Slim Line**	–	6.5 (92)	–	120 (4.2) 90 (3.2)	3 × 400/50/21.5	150–250 120–150
Shirt folding tables						
VEIT 3580 **Manual Shirt Folding Station**	–	5–6 (80–87)	–	1 (0.04)	1 × 200–240/50–60/0.1	60
VEIT 3600 **Semi-Automatic Shirt Folding Station**	–	5–6 (80–87)	–	1 (0.04)	1 × 200–240/50–60/0.1	70
VEIT 3610 **Semi-Automatic Shirt Folding Station**	–	5–6 (80–87)	–	1 (0.04)	1 × 110–230/50/0.1	85

1) Steam heated

2) Electrically heated

3) Steam consumtion depending on preset parameters

* Subject to alterations. All specifications have been made to the best of our knowledge.

Pressing for Excellence

The VEIT Group

Pressing for Excellence – Why you can rely on the VEIT Group

VEIT Group: the story of our success

1956	Foundation of VEIT Group with now 14 companies in 12 countries worldwide
1989	Purchase of BRISAY, Aschaffenburg, with a portfolio of cutting-edge ironing machines
2001	Acquisition of Kannegiesser GTT in Vlotho with their internationally renowned fusing machines and shirt ironing machines
2003	Production and further development of Kannegiesser products through VEIT
as of 2014	Distribution of Kannegiesser products exclusively under the VEIT brand name

Quality

For over 50 years, our customers' requirements and challenges have been our driving force to press for excellence. For decades, world famous brands in the German and international garment industry have placed confidence in the innovative, high quality products and services offered by the VEIT Group.

Efficiency

Our experts consult and partner with you in finding the best possible solution for your project needs, whether you require individual machines or a complete product line.

Service

Prompt delivery and professional installation of our machines and systems go hand in hand with premium training, through which we equip your staff with the skills necessary to achieve the highest possible production. Our service technicians are always available, around the world and around the clock, maximizing continuous production.

VEIT GmbH | Landsberg am Lech

BRISAY-Maschinen GmbH | Grossostheim-Ringheim

VEIT GmbH Betriebsstätte GTT | Vlotho

The VEIT Group is based in Landsberg am Lech (Germany) and is the leading manufacturer worldwide for machines and plants in the field of ironing, fusing, pressing and refinishing of garments. Our product portfolio ranges from traditional ironing tables and presses to fusing machines and also includes automated units.

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