



Pressing for Excellence

A photograph of a man from the chest up, wearing a dark gray suit jacket, a white dress shirt, and a dark blue patterned tie. He is standing with his hands in his pockets. The background is a textured, olive-green surface. A bright yellow diagonal band runs from the top left towards the center, partially obscuring the man's jacket and the text area.

Fusing and Shirts

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Fusing Machines



The VEIT fusing machine portfolio

For every requirement the best solution

AX 450 – The fully-fledged fusing machine for **shirts** and **outerwear**



AX 450

- › working width 450 mm (17.72 inch)
- › upper and lower heating zones, thermostat-controlled (600mm - 23.62 inch)
- › pressure system up to a maximum of 33 N/cm²
- › ideally suitable for waistband fusing, small batches, laboratories and roll-to-roll fusing
- › in-line fusing

AX 450 C

- › Working width: 450 mm (17.72 inch)
- › **NEW: pneumatic pressure system**
- › Upper and lower heating zones, thermostat-controlled (600 mm/23.62 inch long)
- › Pressure system up to 43 N/cm²
- › Ideal for in-line fusing

BH 600 – The lean-production for **shirts**



- › working width 600 mm (23.62 inch)
- › upper and lower heating zones, individually adjustable (length: 600 mm - 23.62 inch)
- › ideal for dress shirt collars and cuffs
- › loading directly at the machine
- › optional stacker
- › water cooling system

BX 600/1000 – The universal solution for **shirts** and **outerwear**



- › working width 600 mm or 1000 mm (23.62 inch or 39.37 inch)
- › upper and lower heating zones, individually adjustable (length: 800mm - 31.50 inch)
- › single or double pressure system in various degrees of hardness
- › reliable and easy to operate
- › perfectly suitable for small (600 mm - 23.62 inch) to medium-sized production plants (1000 mm - 39.37 inch)
- › gauges for electric or pneumatic failures (diagnostic system)

FX 1000/1400 – For highest demands for shirts and outerwear



- ideal for all shirt fabrics (FX 1000) and outer fabrics (FX 1000/1400)
- feeding belt 1400 mm (55.12 inch), for long parts
- separate feeding and transport belts, "cool feeding"
- special insulation, little heat radiation
- upper and lower heating individually controlled, with temperature limiters (1000 mm - 39.37 inch long)
- separate heating zones selectable, TOP (shirt), BOTTOM (outerwear)
- special speed-heat up function, for fast heating of the machine
- touch screen for program storage and service functions
- optional air and compression cooling
- short (800 mm - 31.50 inch) or long (1400 mm - 55.12 inch) cooling belt
- failure diagnostic system



FX 1400L/1600 – The most productive solution for outerwear

Benefits as for FX 1000/1400, plus:

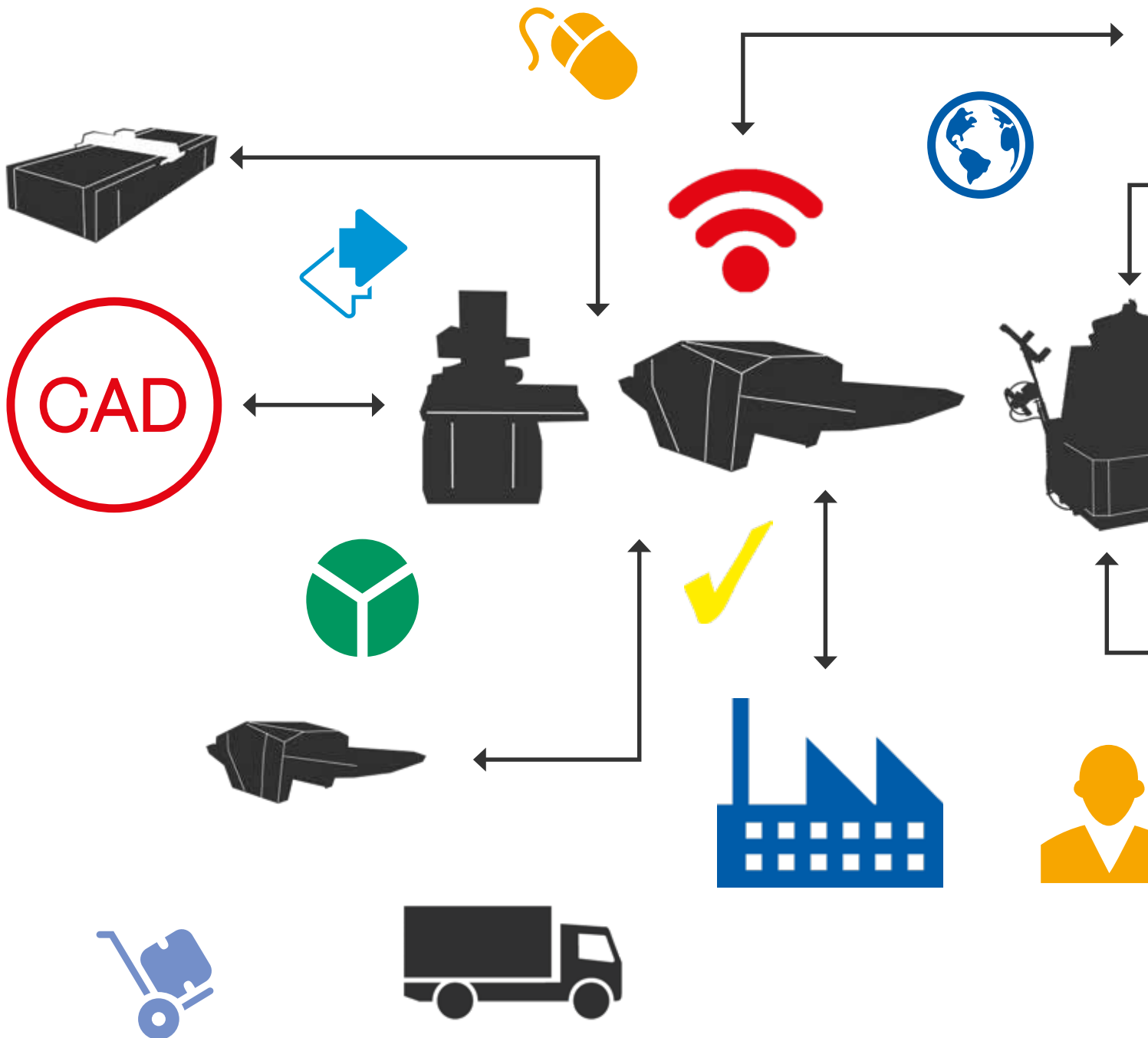
- ideally suited for coats, winter fabrics and block fusing
- extended heating zone, increased productivity (length 1400 mm - 55.12 inch)
- three heating zones, more gentle heating
- for large-scale production or centralised fusing
- ideal for combination with feeding systems (FE-L, ET)







VEIT Industry 4.0



With garment production cycles becoming faster and faster, requirements for an efficient system to process materials are constantly increasing. VEIT wants to make their customers' fusing operations as easy as possible by offering intelligent process solutions.

“VEIT Fusing 4.0” provides a decentralised control of the fusing process in a network where the machine can communicate with other machines, the goods and itself. VEIT's FX Diamond Fusing Machine with the **„VEIT Fusing 4.0“** technology is ready to meet all the requirements of intelligent manufacturing and allows its users to benefit in their production process from many of these advantages right now – even without being completely interconnected.

The machine itself can maintain the fusing result at a consistent level at all times by monitoring and intelligently adjusting all process parameters. Thanks to the recording of the said parameters, the manufacturer can prove the consistency of his products.

With **“VEIT Pressing 4.0”**, ironing machines can be integrated into the customer's own company network. The machine can report on maximum pressure, ironing temperature, process times and the ironing program used. In combination with the optionally available scanner, the ironed goods can also be registered on the basis of any two-dimensional code or RFID technology.

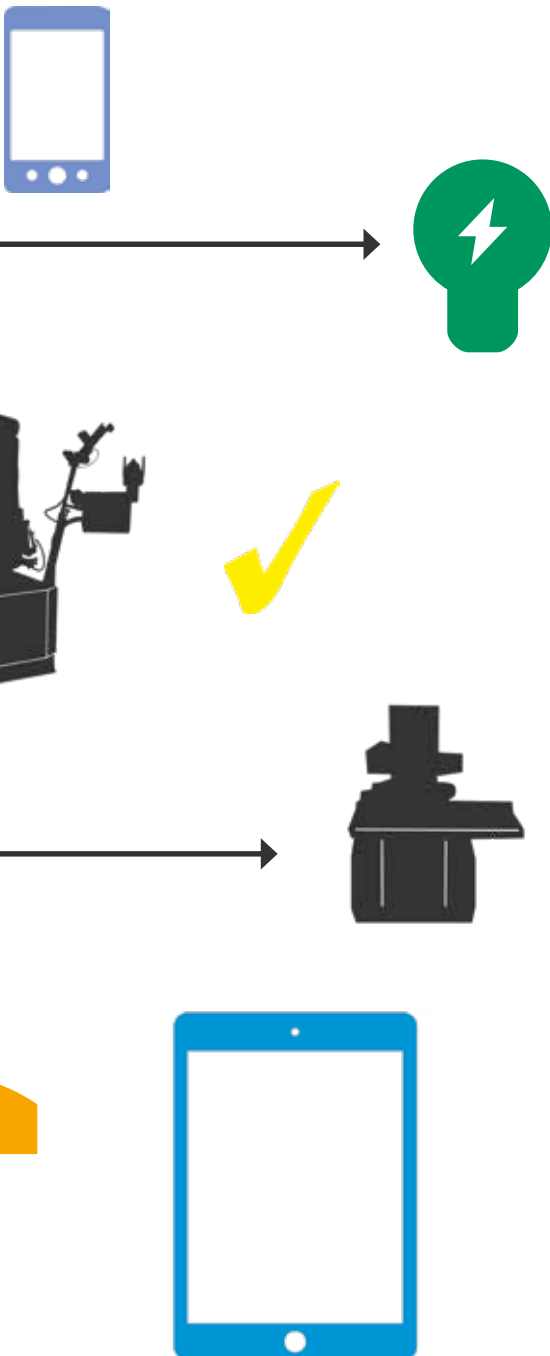
The production chain of each individual item thus becomes transparent.

With this technology, there are no more limits to material flow investigation and the communication between product and machine.

“VEIT Predictive Maintenance” – All VEIT machines with 4.0 technology permit the compilation of a detailed service report.

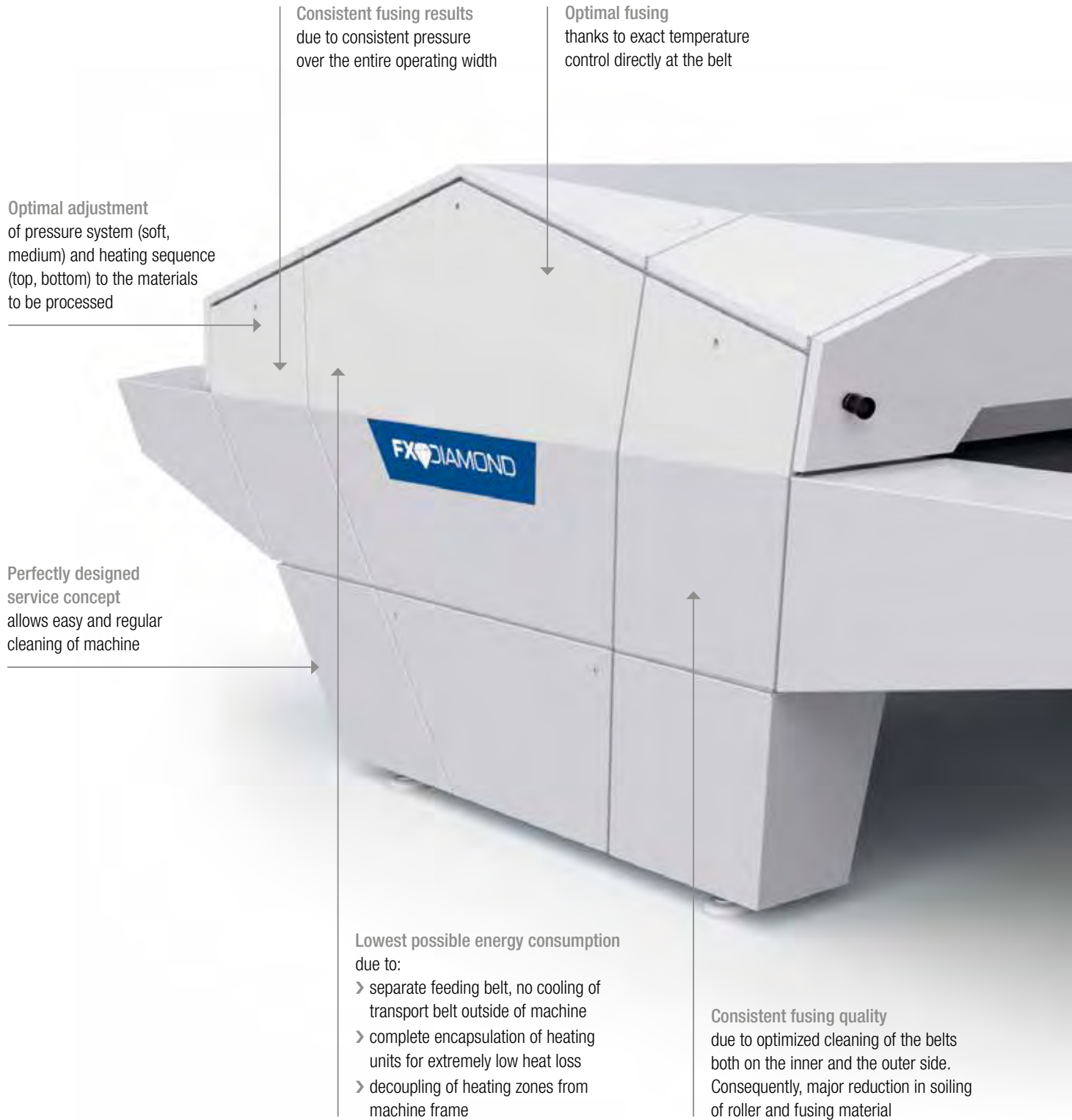
Your benefits at a glance:

- Manufacturing of customised products at cost of mass production
- Reduced energy cost („gradual warmups“)
- Low error rate by unambiguous identification of the goods and therefore high variability at short notice and low unit cost
- Retrieving of production data from central server and collection of data from the manufacturing environment
- Availability of current process data plus decentralised generation of control commands (fast reaction to unplanned events)
- Efficient, flexible process coordination
- Accurate fine-tuning of processes through automated exchange of user-specific operational information
- Allows quality assessment through retrospective production data analysis



FX DIAMOND

Taking fusing to the next level.





The 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 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

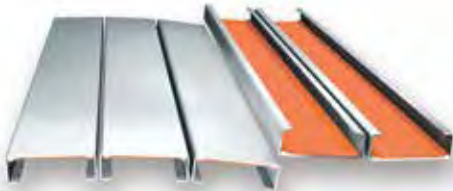
Different applications require individual technical solutions. The design of the heating element when fusing outerwear parts will differ from the layout for an application in shirt fusing. Perfect adjustment of the heating zone is essential for successful fusing. VEIT's configurable heating zones are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

Benefits

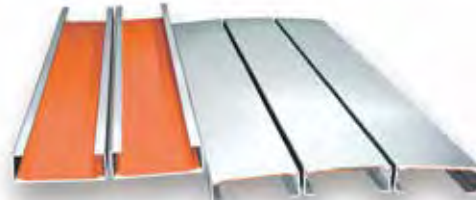
- › Even temperature transfer to the whole fusing area
- › Minimum loss of heat thanks to optimum heat control
- › Fast adjustment to changes in temperature with no loss of time
- › Exact temperature control without any significant deviations
- › Targeted heat transfer without loss of energy thanks to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

FX DIAMOND

Efficiency meets perfection.



Bottom of FX 1000 / FX 1400



Top of FX 1000 / FX 1400



Bottom of FX 1400L / FX 1600



Top of FX 1400L / FX 1600

Heating zone 3/2 and 4/3 bottom/top

For fabrics and interlinings in outer wear the 3/2 and 4/3 bottom/top arrangement brings perfect results. The upper fabric is 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 and 3/4 top/bottom

The 2/3 and 3/4 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 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:

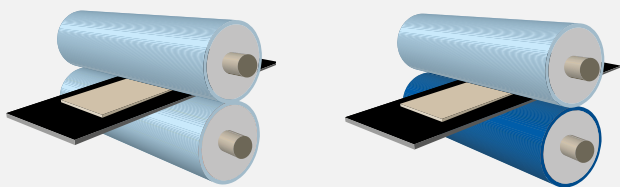
- › Cost savings through a decrease in power peak loads
- › Use of the stand-by function saves energy. Within a few seconds, the machine is back at its operation temperature when needed
- › Energy savings through fully insulated machine with encapsulated and thermally decoupled heating cartridge
- › 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 1000/1400/1400L/1600 pressure system

VEIT 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)

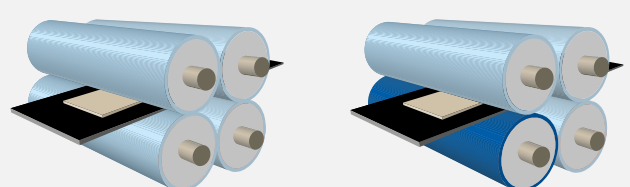
Designated use: Pressure-sensitive materials in outer wear (in particular men's and ladies' wear and casual shirts)

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)

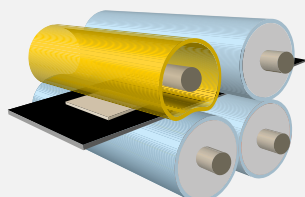
Designated use: Pressure-sensitive materials in outer wear (in particular men's and ladies' wear and casual shirts)

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 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 control panel

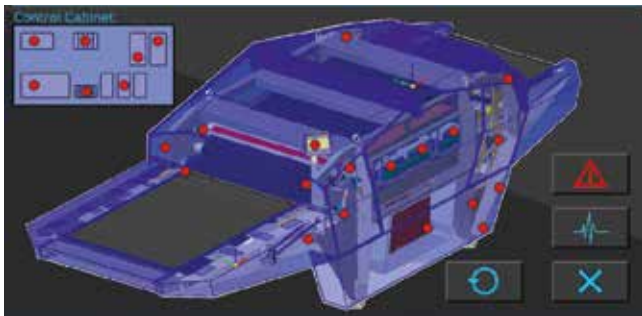
Never before has a fusing machine been so easy to operate

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

Set temperature of first heating zone

Actual value of first heating zone

Contact pressure of first pressure system displayed in bar or N/cm²

Belt speed in m/min and seconds

Stand-by function for energy-saving during breaks

Heating on/off

Cool-down function for cooling the belt and cleaning

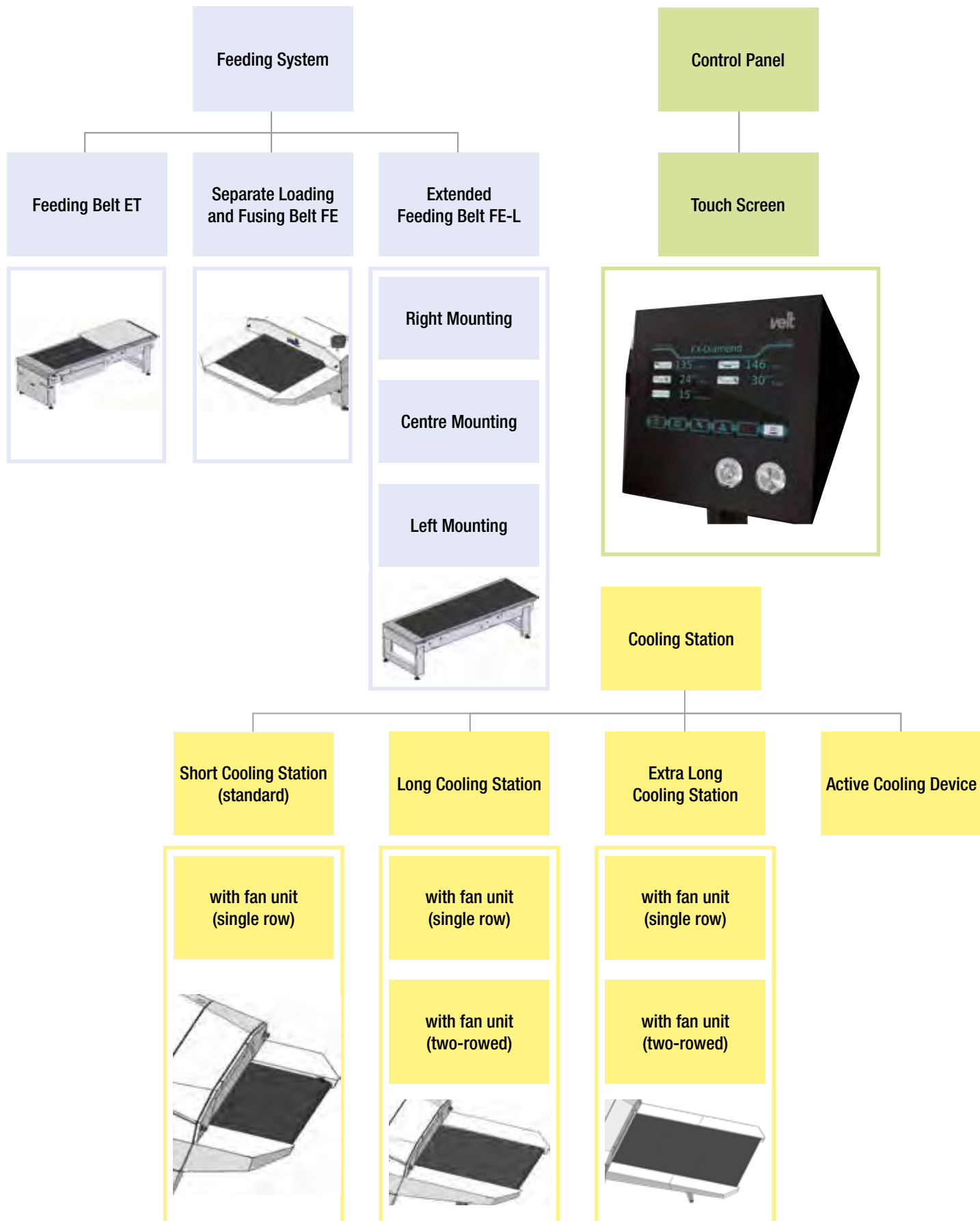
Actual value of second heating zone

Set temperature of second heating zone

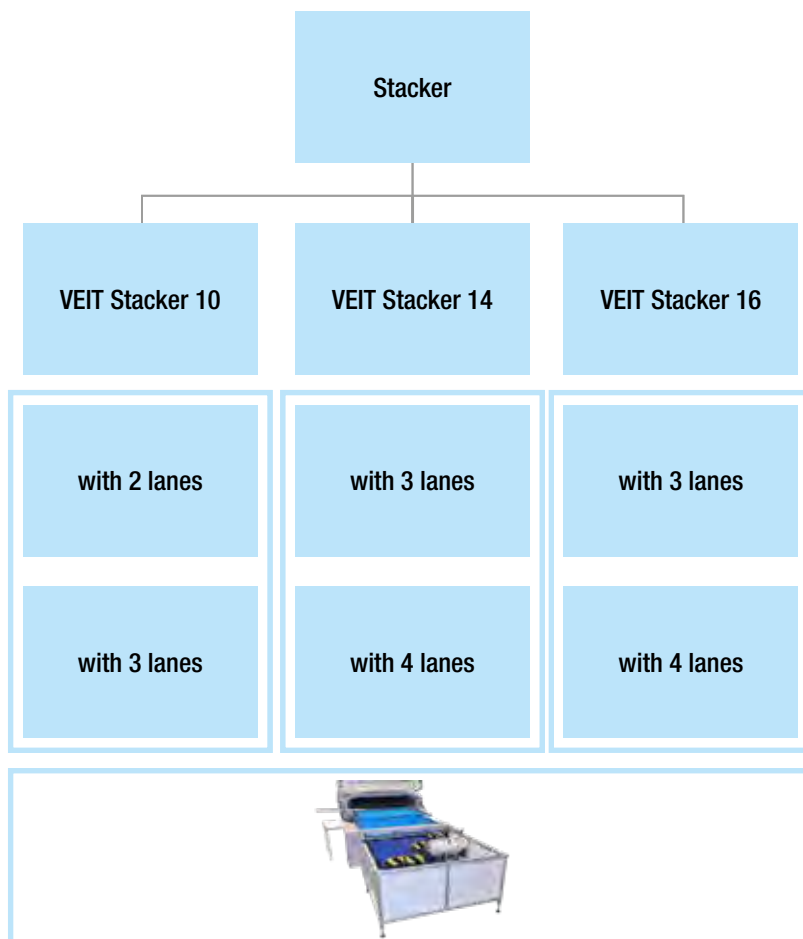
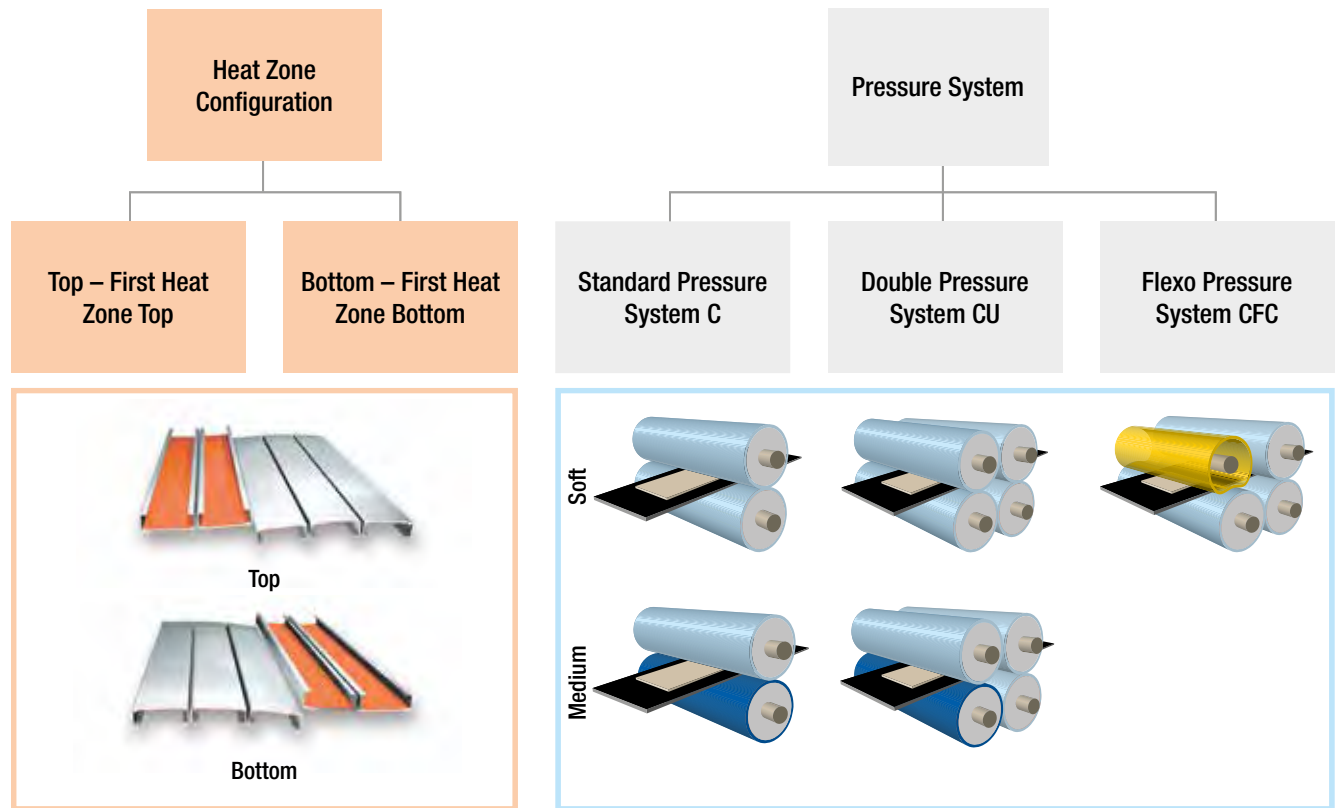
Contact pressure of second pressure system displayed in bar or N/cm²



Fusing Machines FX Diamond 1000 / 1400 / 1400L / 1600



Fusing Machine FX Diamond 1000 / 1400 / 1400L / 1600



veit FUSING

VEIT - The future of fusing technology.

15 years ago, we acquired the fusing technology division from Kannegiesser. And we have been continuously enhancing the machines ever since – to reach a perfect synthesis of Kannegiesser and VEIT, of technology and innovative strength. As of 2016, our fusing machines will bear only one name: **VEIT**.

Servicing and Technology

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:



FuseMaster BX/BXT 600, BX/BXT 1000 Serie

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 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)

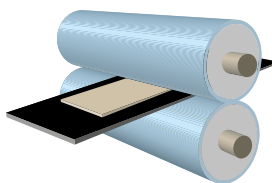
Applicable for pressure sensitive fabrics used in sportswear and especially in women's and men's apparel

BX 600/1000 M (medium)

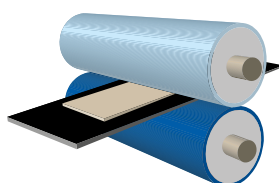
Applicable for common fusing applications in goods with high-twist yarns and dress shirt industry

Advantages:

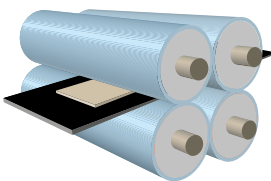
- › Roller combinations can be chosen between soft and medium
- › Fast exchange of pressure rollers possible at any time



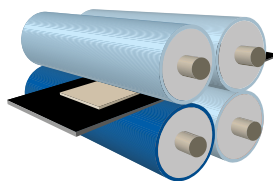
C S (soft)



C M (medium)



CU S (soft)



CU M (medium)



Options for the FX and BX Series

Return-to-Operator System (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



7" colour touch display (for BXT 600/1000)

All the relevant fusing parameters are available at single glance on the modern, user-friendly display.

Advantage:

- › Easy operating with new 7" colour touch display

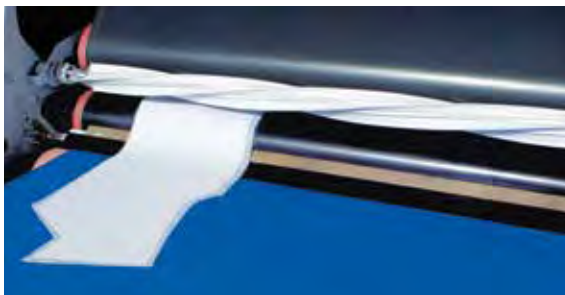


Waistband Fusing Device (for FX and BX)

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)

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 FX)

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

Loading Systems for FX and BX

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

FE-L Loading System

The **VEIT FE-L** is an extended version of the FE loading belts in the FX and BX 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 FX
- › 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

VEIT Stacker

It is important that fused assemblies be handled gently to allow them to cool prior to further processing.

The **VEIT Stacker** guides the fused assemblies from the loading system's cooling belt of the BX or FX series 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 / AX 450 C

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

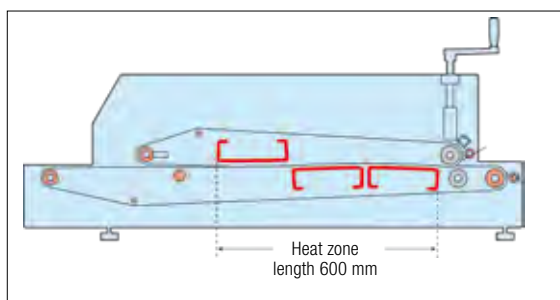


The Control Unit:

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

Advantages:

- › Unique in its class, a diagnostic system for heating elements, 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.

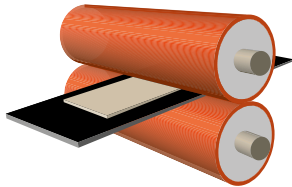
Advantages:

- › Separate upper and lower heat zones
- › Proven VEIT 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

AX 450 / AX 450 C

The mechanical 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/cm^2 , as requested by leading interfacing suppliers.



The pneumatic Pressure System

With the trend towards increasing individualisation, producing **small numbers** is becoming increasingly important in **shirt production**. Customised production of tailor-made shirts, too, results in a need for flexible production lines. With this fully-fl edged fusing machine, VEIT FUSING provides the possibility of decentralised fusing directly in the production line without any cut-backs in quality.

Options:

Unloading Slide

Accommodates large and small fused assemblies for cooling.

Waistband Fusing Device

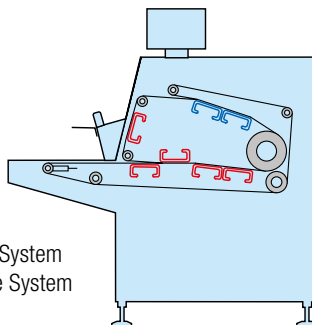
Various options are available for mechanical unwinding and rewinding for waistband fusing. The waistband fusing device may be operated individually or by two people. We further recommend a loading guide for accurate positioning of the face fabric and the interlining.

Mechanized Rewinding "Stretch"

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



BH 600 – Shirt Fusing Machine



■ Heating System
■ Pressure System



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 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 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

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

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



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 SF26 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 SF26 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-stretching 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 **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.



VEIT SF26 Shirt Finisher

Flexible Bust Sizes*

- › Bust S – perimeter 690 mm (27.2 inch) for blouses
- › Bust SL – perimeter 780-940 mm (30,7 – 37,0 inch)

The shoulder width is adjustable for bust SL between 43 and 54 cm (16.9 – 21.3 inch). Shoulder width bust S is 42 cm (16.5 inch) (is not adjustable).

There are also different hem circumferences:

- › S: 78 – 158 cm (30.7 – 62.2 inch)
- › SL: 90 – 170 cm (35.4 – 66.9 inch)

For bust S 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.



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

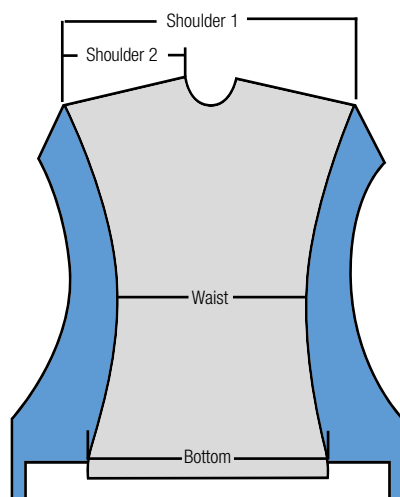
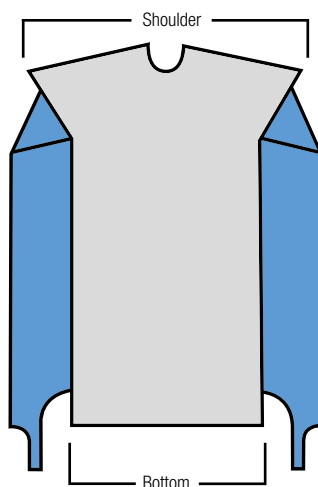
Pressing of shirt body

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 Standard 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.

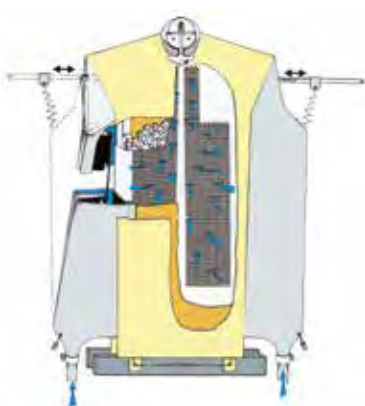
HP-V4-SL	SL 440 mm (inches)	SL 470 mm (inches)	SL 500 mm (inches)
Shoulder 1	440 (17.3)	470 (18.5)	500 (19.7)
Shoulder 2	160 (6.3)	175 (6.9)	190 (7.5)
Waist	350 (13.8)	400 (15.7)	400 (15.7)
Bottom	460 (18.1)	500 (19.7)	500 (19.7)

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 malfunction 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 has all the accessories for a successful work flow to avoid touching the shirt too much to prevent marks.



Automatic Shirt Unloader H-EN

VEIT 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).

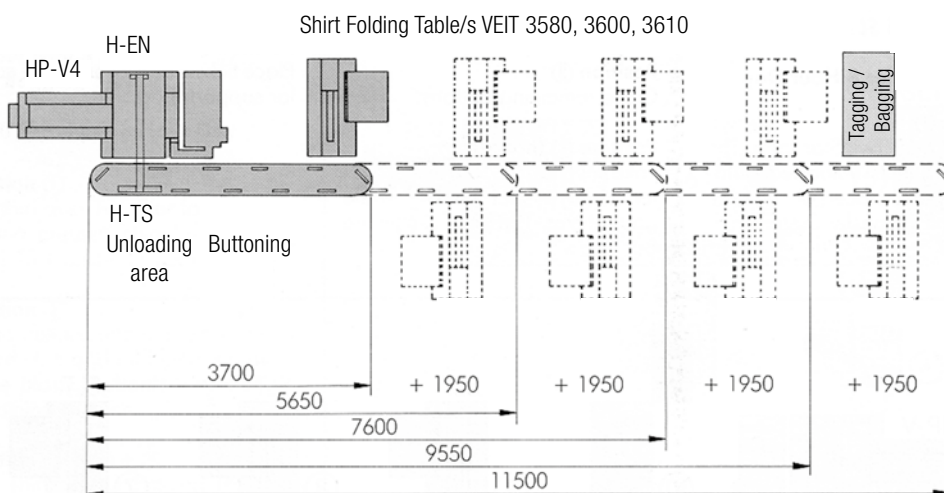
Advantages:

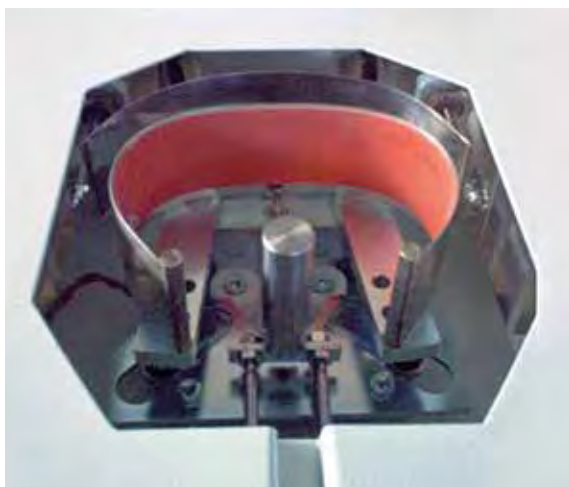
- › H-EN can save one operator for unloading
- › Time for the shirt to cool down
- › No finger prints on the shirt
- › Considerably increased productivity
- › Small space required
- › Transparent work flow

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 FS 10 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
- › Temperature controller with five level settings
- › Function by standard pedal



VEIT FS 15 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 FS 20 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 from 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 ($\varnothing = 8$ mm) in bar	Electric Voltage in Volt / Hz / kW	Dimensions: L x W x H in mm (inches)	Weight in kg (lb)	Consumption: Compressed air in l/min
FX 1000 C FX 1000 CU FX 1000 CFC	1000 (40)	1.0–12.0 (3.3–39)	6.5	3 x 400/50–60/23	4845 x 1650 x 1510 (191 x 65 x 60) ⁵⁾ 5650 x 1650 x 1510 (222 x 65 x 60) ⁶⁾	1200 (2646)	50
FX 1400 C FX 1400 CU FX 1400 CFC	1400 (55.11)	1.0–12.0 (3.3–39)	6.5	3 x 400/50–60/29,5	4845 x 2050 x 1510 (191 x 81 x 60) ⁵⁾ 5650 x 2050 x 1510 (222 x 81 x 60) ⁶⁾	1430 (3153)	50
FX 1400L C FX 1400L CU FX 1400L CFC	1400 (55.11)	1.0–12.0 (3.3–39)	6.5	3 x 400/50–60/42	5245 x 2050 x 1510 (206 x 81 x 60) ⁵⁾ 6050 x 2050 x 1510 (238 x 81 x 60) ⁶⁾	1500 (3307)	50
FX 1600 C FX 1600 CU FX 1600 CFC	1600 (63)	1.0–12.0 (3.3–39)	6.5	3 x 400/50–60/48	5245 x 2250 x 1510 (206 x 89 x 60) ⁵⁾ 6050 x 2250 x 1510 (238 x 89 x 60) ⁶⁾	1600 (3527)	50
BX/BXT 600 C BX/BXT 600 CU	600 (24)	1.7–10 (5.5–34)	6.5	3 x 400/50–60/10.8	2900 x 1150 x 1500 (114 x 46 x 60)	520 (1144)	< 1
BX 1000 C BX 1000 CU BXT 1000 FE C/CU	1000 (40)	1.7–10 (5.5–34)	6.5	3 x 400/50–60/17.5	3600 x 1580 x 1500 (144 x 62 x 60)	670 (1474)	< 1
AX 450	450 (18)	1.6–10 (5.4–34)	mechanical	1 x 230/50–60/3.6	2050 (82) ²⁾ x 930 (37) ³⁾ x 604/1302 (24/52) ⁴⁾	330/370 (728/816) ¹⁾	–
AX 450 C	450 (18)	1.6–10 (5.4–34)	pneumatical	1 x 230/50–60/3.6	2050 (82) ²⁾ x 930 (37) ³⁾ x 604/1302 (24/52) ⁴⁾	330/370 (728/816) ¹⁾	< 1
BH 600	600 (24)	1.0–2.5 (3.4–8.2)	6.5	3 x 400/50–60/12.5	1560 x 1060 x 1550 (62 x 42 x 61)	470 (1036)	< 1

AX 450: ¹⁾ with base frame/ ²⁾ without loading guide/ ³⁾ with entry table/ ⁴⁾ with and without base frame

⁵⁾ FX with short cooling station / ⁶⁾ FX with long cooling station

Fusing Machines

Pressure Values for Fusing machines		
Model and pressure system	pressure in bar	pressure in N/cm ²
AX 450	mechanical	0–33 N/cm ²
AX 450 C	mechanical	0–43 N/cm ²
BH 600	1–6	6–46 N/cm ²
BX 600 Soft	1–6	2–44 N/cm ²
BX 600 Medium	1–6	4–49 N/cm ²
BX 1000 Soft	1–6	2–44 N/cm ²
BX 1000 Medium	1–6	4–49 N/cm ²

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 x W x 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
VEIT Stacker 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	–
VEIT Stacker 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	–
VEIT Stacker 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	26	1180 (46.5)	1310 (51.6)	1580 (62.2)	450 (992)
SSP Side Seam Press	26	1280 (50.4)	1110 (43.3)	1600 (63.0)	450 (992)
VEIT 8905 Collar and Cuff Press	27	1100 (43.3)	850 (33.5)	1790 (70.5) – 1890 (74.4)	190 (418.9)
FPD Front Placket Device	27	1400 (55.1)	1120 (44.1)	1600 (63.0)	420 (926)
VEIT 8319 Universal Finisher	30	1470 (57.9)	2220 (87.4) ³⁾ / 890 (35.0) ⁴⁾	1720 (67.7)	195 (433)
VEIT 8319 Universal Finisher E	30	1470 (57.9)	2220 (87.4) ³⁾ / 890 (35.0) ³⁾	1720 (67.7)	195 (433)
VEIT SF26 Shirt Finisher	28	1210 (47.7)	2670 (105.1) ³⁾ / 1310 (51.6) ⁴⁾	1660 (65.4)	290 (639)
TwinStar HP-V4 Body Press TwinStar HP-V4 Body Press Slim Line	31 31	2345 (92.3)	1135 (44.7)	1745 (68.7)	1325 (2915)

Shirt folding tables

VEIT FS 10 Manual Shirt Folding Station	34	1350 (53.1)	650 (24.6)	880 (34.6) – 1080 (42.5) ¹⁾ 1360 (53.5) ²⁾	80 (176)
VEIT FS 15 Semi-Automatic Shirt Folding Station	35	1350 (53.1)	650 (24.6)	880 (34.6) – 1080 (42.5) ¹⁾ 1360 (53.5) ²⁾	80 (176)
VEIT FS 20 Semi-Automatic Shirt Folding Station	35	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)	6.0	3 (0.1)	3 × 400/50–60/2.6 3 × 220/50–60/2.8	35
VEIT 8319 Universal Finisher E	–	6 (87)	6.0	3 (0.1)	3 × 400/50–60/17	35
VEIT SF26 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 FS 10 Manual Shirt Folding Station	–	5–6 (80–87)	–	1 (0.04)	1 × 200–240/50–60/0.1	60
VEIT FS 15 Semi-Automatic Shirt Folding Station	–	5–6 (80–87)	–	1 (0.04)	1 × 200–240/50–60/0.1	70
VEIT FS 20 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 consumption depending on preset parameters

The VEIT Group



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

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.

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 60 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

Justus-von-Liebig-Str. 15
86899 Landsberg/Lech
Germany
Tel. +49 (8191) 479-100
Fax +49 (8191) 479-149
E-Mail: info@veit.de
www.veit-group.com

Your local sales agent: