

Tunnel Finisher & Bagging Machines



Market Leader with over 900 Finishing Facilities Worldwide

We provide solutions for our customer's high demands for finish technology. For this reason we are one of the leading companies in this sector, currently having the largest number of installations in Europe. With over 900 finishing facilities worldwide, we provide not only many years of experience but also the possibility to have a return on your investment in a short time. Superior appearance of your garments is guaranteed by the VEIT tunnel technology. You will be able to achieve high output capacities (up to 3000 garments/h) with consistent high quality. With our modular Tunnel system we can configure the best design based on your individual requirements. We look forward to planning your project together!



We have over 20 years experience in the production of Tunnel Finishers.

Our VEIT Tunnel Finishers are used world-wide to increase the success of our customers.

- | | | |
|--------------------|-------------|--------------------------|
| Australia | India | Poland |
| Belgium | Indonesia | Portugal |
| Bermuda | Israel | Russia |
| Brazil | Italy | Sweden |
| China | Japan | Switzerland |
| Denmark | Colombia | Spain |
| Germany | Korea | Sri Lanka |
| Dominican Republic | Malaysia | Taiwan |
| Finland | Mali | Thailand |
| France | New Zealand | United States of America |
| Greece | Netherlands | Vietnam |
| Great Britain | Austria | |
| Hong Kong | Philippines | |



Pre-heating Module

The VEIT Tunnel Finisher technology recommends a pre-heating module to refinish the garments. In this process, the textiles are pre-heated with medium temperature and air to ensure better absorption of the steam.

Steam Module

The finishing process requires that the garments are sprayed with steam directly or, depending on the length of the fibres, indirectly. The required amount of steam can be regulated infinitely from 0 up to 100 percent. In each steam module, the amount of steam and the injection can be adjusted individually.

Air Module

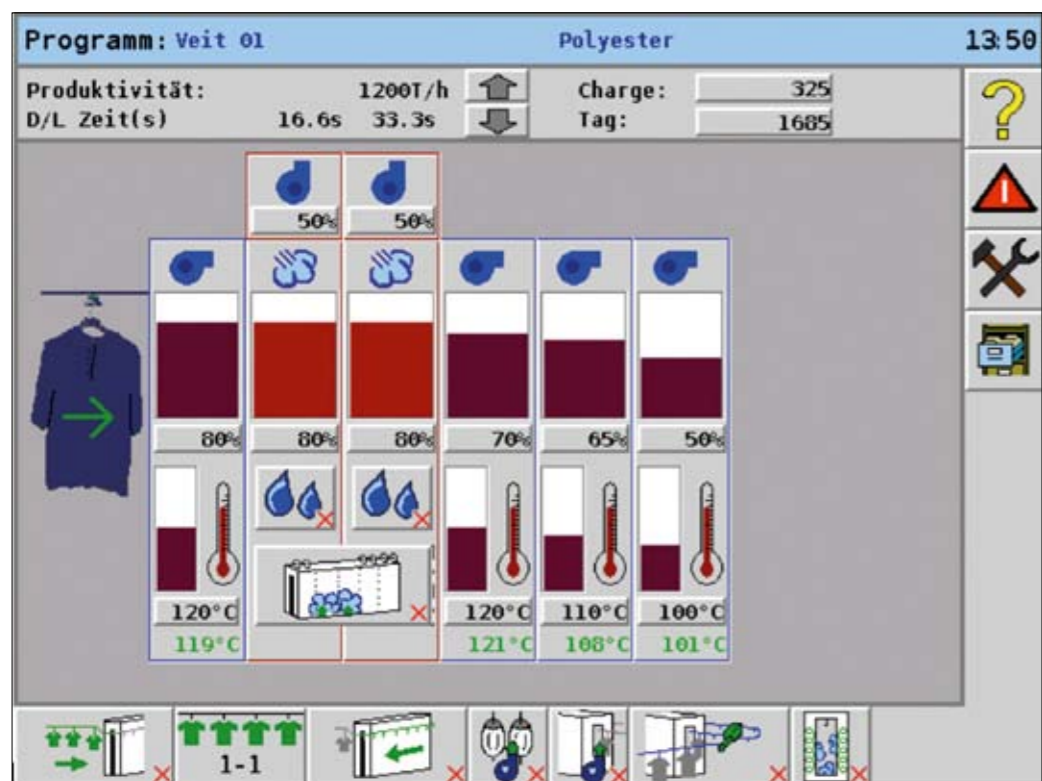
One or more air modules smooth and dry the garments. In this process the programmed quantity of air with the corresponding temperature flows down the module past the garments. The VEIT Tunnel Finisher system guarantees a swirl-free air stream, giving the finished garment the required smooth surface.

Blow-off funnel – (Doll Effect)

To give the garments the corresponding volume when leaving the Tunnel Finisher (doll effect), the garments are opened from below with the remaining heat to give them the appropriate shape.



Touch Screen Panel for Easy Operation

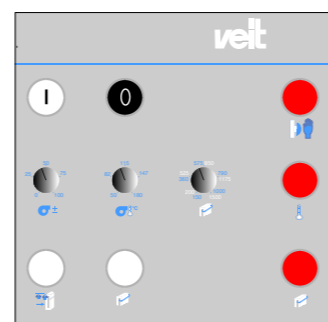


Operating display

The VEIT Tunnel Finisher has a 10.4" VGA colour TFT display with touch screen. The Tunnel Finisher and the conveyor are operated from the graphic display using the assigned symbols. Each module has its own display with a bar chart and direct input for the parameters to be programmed. This can be easily input on the touch screen and adjusted to the requested value. The programmed and the actual temperature are displayed in a corresponding colour combination.

Programme administration

The operating unit contains all the recommended VEIT programmes for all common materials and material combinations. These can be copied and used as a basis for your own individual programmes. The control unit contains 200 vacant programme slots.



Our low-priced version VEIT 8625 with potentiometer panel.

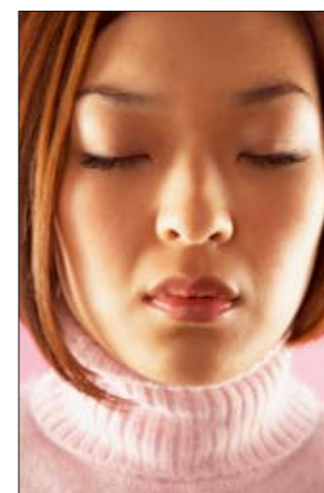
Networking

The control unit is equipped with a standard Ethernet interface which allows integration into your in-house network. This enables access to internal links for programme print-outs and programme insights via external PCs. It is also possible to activate interface links and programme settings via a barcode reader or via a RFID interface. Various field bus connections make it possible to also control conveyor units directly from the tunnel.

The VEIT Tunnel Finisher Modular System

The VEIT modular system enables us to design each system based on the requirements of the customer. It consists of pre-heating module, steam modules and air modules. As well as these base models, different options can be added according to your requirements. For this reason, we can tailor our Tunnel Finishers individually to completely fulfil the needs of our customers; from the basic, economically priced standard unit with steam and air modules to a comprehensive ten module Tunnel Finisher with RFID interface and networking.

Define the Scent of your Garments



Unpleasant odour can be eliminated from garments using the scent spraying of the VEIT Tunnel Finisher. Furthermore, the garments can be sprayed with brand-specific scents to distinguish them from competitive products. The spray is applied via the air flow. Two nozzles (scent and air) give the desired scent effect inside the air modules so that an odour can be neutralised or complemented with brand-specific scents. The removal of unpleasant odours is particularly recommended for leathers after long transport periods in containers and films. Spraying of scents is used, for example, by refinishers and in returns departments.

Choose your individual scent!

Service-Friendliness



Fluff filters

The fluff created by the garments is collected by the fine-meshed fluff filters to prevent it from being swirled around inside the Tunnel Finisher. The filters can be easily removed and cleaned.



Automatic chain tensioning

The transport chain of the Tunnel Finisher is equipped with a pre-linked 1/2" chain. When in operation the chain is tensioned with a pneumatic cylinder. A sensor controls the chain tensioning and shows an error on the display if the chain tensioning is no longer sufficient. In this case the chain need not be shortened, the tensioning cylinder can simply be moved one notch and the tunnel can be restarted.



Cleaning of the fan

The fans should be regularly cleaned of fluff. The service-friendly VEIT solution allows the motor units to be pushed to one side so that the impellers can be easily cleaned.

Optimal Results at Fast Throughput Times

Critical materials

Garments have to be finished with an appropriate steam quantity and intensity based on the consistency of the materials. For better penetration (e.g. for natural fibres), the steam is not suctioned out of the steam module. For synthetic fibres, the steam is only used as a heat-transfer medium; the surplus steam can be immediately removed.

For individual handling of different materials, the VEIT steam module suction unit can be variably adjusted from 0 to 100 %. The specific use of steam quantity therefore gives an excellent finish result.



All kinds of hangers

To avoid problems unloading shorter clothes hangers or hangers with clamps e.g. for trousers, the active unloading system with a finger turns away the garments as soon as the hangers arrive.



Voluminous garments

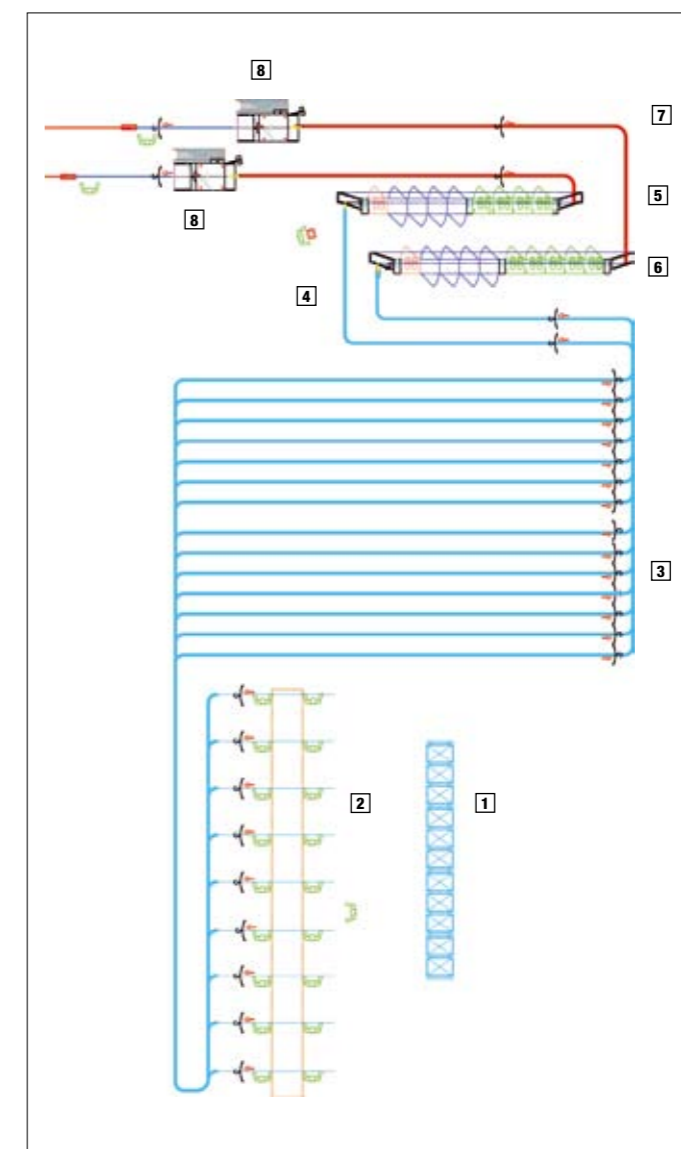
A motor drive at the entrance to the Tunnel Finisher allows the goods to be transported at a higher speed than the flow chain. This ensures that even with voluminous materials vertically hanging garments can be transported without unnecessary rotation.



Larger and smaller parts

The VEIT transport hook system works well with the wide surface clothes hangers ensuring smooth transport even at high speeds. The transport hook system is developed so that transporting two garments on one hook can also be selected. The distance between the hooks is variable and can be ordered in 25, 50, 75 or 100 cm depending on the width of the garments to be finished, and ensures that the Tunnel Finisher runs at maximum capacity.

The Total System from one Company



- 1 Garments (flat pack)
- 2 Unpacking and inserting of hanger
- 3 Buffer (pre-hold-up)
- 4 Feed-in conveyor Tunnel Finisher
- 5 Tunnel Finisher VEIT 1+4+5
- 6 Tunnel Finisher VEIT 1+4+4
- 7 Feed-out conveyor Tunnel Finisher
- 8 Bagging machine Brisay TLS-10

We offer individual logistic solutions according to your requirements.

Our wide range of services:

- Planning the complete logistic system
- Economic efficiency calculation
- Assessing the current internal work flow
- Planning the whole concept
- Delivery, installation and start-up
- Instruction and training
- After-sales service and repair service e.g. for seasonal programmes

System solutions from one company:

- Finishing units and bagging machines
- Logistic systems
- Automation via RFID identification systems
- Power supplies

Automatic Bagging Machines for Hanging Garments

The automatic bagging machine SPEED-PACK from VEIT BRISAY guarantees quick, reliable and cost-effective bagging of your hanging garments.

Advantages (TLS-1, TLS-10, T2LS-50)

- Drawing over of film with automatic length recognition can be adjusted individually to the required bagging length.
- Film width of up to 900 mm / 35.34 inch ensures a perfect setting of the bagging width for all requirements.
- Operation with 230 V is possible depending on equipment.
- The operator panel with Touch Screen guarantees easy operation for machines processing from 600 garments / hour.
- For machines handling up to 600 garments / hour, an optional vertical lift device can be installed at the garment feeding station. This will improve the loading capacity when only a short distance is available to feed the conveyor.
- An optional suction device is available to reduce the balloon effect when pulling the garments into the packaging.

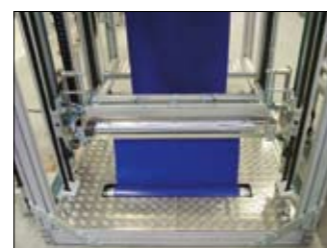
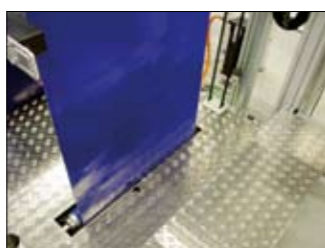


Modular design of all units

The retrofitting or upgrading of machines can be – if required -carried out quickly and ergonomically, especially the fully automatic machine TLS-5. A wide range of possible configurations provides diverse solutions.

Low maintenance

- The limit cloth is driven together with the drive axis. This technology allows low maintenance – no breaking of torsion springs.
- The belt drive for the gripping trolley and the lower welding axis works quietly with low maintenance.
- Driving the axis with a belt drive excludes re-tensioning over a longer period. The machines are easy to clean thanks to the cover plates.



Long life cycle due to robust design
The aluminium light construction profile with double clamping connections increases the stability of the machine.



Efficient and exact welding
Parallel closing welding beams are supported by springs. An even and exact seam sealing can be guaranteed over a longer period of time by balancing out slight unevenness. All machines are equipped with pre-selectable welding seam forms, straight or angular, as a standard.

SPEED-PACK TLS-1 Semi-automatic bagging machine for hanging garments

- Capacity of up to 400 packages/hour (depending on type of garment)
- Drawing over of film with automatic length recognition
- Film storage
- Film width of up to 850 mm / 33.5 inch
- Gripper width according to requirements: 80/100/130 mm / 3.2/4/5 inch
- Covering length of up to 1700 mm / 67 inch
- Upper seam sealing form can be pre-selected – straight or angular
- Microprocessor control
- Energy-saving impulse sealing
- Drive regulated by frequency
- Maintenance-free synchronous belt drive (no regulation of tension required)
- Maintenance-free cloth winding
- Special covering lengths*
- Suction device to cut-off upper foil corners*

SPEED-PACK TLS-10 Automatic bagging machine for hanging garments

- Capacity of up to 600 packages/hour with lower welding (depending on type of garment)
- Drawing over of film with automatic length recognition
- Film storage with driven film-unwinding device
- Film width of up to 850 mm / 33.5 inch
- Gripper width according to requirements: 80/100/130/150 mm / 3.2/4/5/6 inch
- Covering length of up to 1700 mm / 67 inch
- Upper seam sealing form can be pre-selected – straight or angular
- Microprocessor control
- Operating panel with touch screen
- Energy-saving impulse sealing
- Drive regulated by frequency drive
- Welding beams spring mounted
- Maintenance-free synchronous belt drive (no regulation of tension required)
- Maintenance-free cloth winding
- Machine easily accessible, no steps required
- Special covering lengths*
- Slope conveyor*
- Multi bagging (planned)*
- Labelling station can be adapted*
- Suction device to cut-off upper foil corners*

SPEED-PACK T2LS-50 Automatic bagging machine for hanging garments

- Capacity of up to 900 packages/hour with lower welding on second axis (depending on type of garment)
- Drawing over of film with automatic length recognition
- Film storage with driven film-unwinding device
- Film width of up to 900 mm / 35.4 inch
- Gripper width according to requirements: 80/100/130/150 mm / 3.2/4/5/6 inch
- Covering length of up to 1700 mm / 67 inch
- Upper seam sealing form can be pre-selected – straight or angular
- Microprocessor control
- Operating panel with touch screen
- Energy-saving impulse sealing
- Servo drive
- Welding beams spring mounted
- Maintenance-free synchronous belt drive (no regulation of tension required)
- Maintenance-free cloth winding
- Machine easily accessible, no steps required
- Special covering lengths*
- Slope conveyor*
- Multi bagging (planned)*
- Labelling station can be adapted*
- Suction device to cut-off upper foil corners
- Suction device to cut-off lower foil touch

BRI-Type	capacity / h piece	Voltage V / Hz / A	W x L x H mm / inch
TLS-1	400	230 / 50 / 16	1750(68.9) x 2230(87.8) x 3100(122.05)
TLS-10	600	400 / 50 / 16	2371(93.35) x 3718(148.38) x 3100(122.05)
T2LS-50	900	400 / 50 / 16	2371 (93.35) x 4708(185.35) x 3100(122.05)

Variant Summary of Models VEIT Tunnelfinisher

Model	8656	8656	8656	8656	8656
Module combination	1+1	1+2	2+3	1+3+3	1+4+4
Average capacity	600	900	1500	1800	2000
Air quantity (steam chamber width) at 180/260 mm m³/hr	3200	6400	9600/12000	12800/16000	12800/16000
Dimensions and weights					
Length/ length with conveyor mm (inch)	2840/2200 (111.8/86.6)	3810/2200 (150/86.6)	5750/2200 (226.4/86.6)	6720/2200 (264.6/86.6)	7690/2200 (302.8/86.6)
Height mm (inch)	2860 (112.6)	286 (112.6)	2860 (112.6)	2860 (112.6)	2860 (112.6)
Width mm (inch)	1020 (40.2)	1020 (40.2)	1020 (40.2)	1020 (40.2)	1020 (40.2)
Weight net – kg (lbs)	1200 (2645.5)	1600 (3527.4)	2500 (5511.5)	2800 (6173)	3300 (7275.2)
Equipment/Option					
Passage width 180mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Passage width 260mm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pre-heat module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1
Steam module	1	1	2	2	2
Steam module extension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	2
Air module	1	2	3	3	4
Entry roller	■	■	■	■	■
Intermediate roller	■	■	■	■	■
Exit roller	■	■	■	■	■
Alternative: exit blow-off funnel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Loader / Separator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active unloading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Addition of Moisture	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teflon coating steam module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam distribution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Switch off lower steam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam nozzles mounted on bottom unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam chamber extraction / quantity control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scent spraying	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operating Unit	Touch screen	Touch screen	Touch screen	Touch screen	Touch screen
Monitoring chain tensioning	■	■	■	■	■
Distance between hooks - optional mm (inch)	200-900 (7.9-35.4)	200-900 (7.9-35.4)	200-900 (7.9-35.4)	200-900 (7.9-35.4)	200-900 (7.9-35.4)
Indirect spraying	■	■	■	■	■
Network link / Modem support	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

■ = Standard equipment / □ = Optional equipment / – = not possible

Model	8625	8625	8625	8625
Module combination	1+1	1+2	1+3	2+3
Average capacity	200	500	800	1100
Air quantity (steam chamber width) at 180/260 mm m³/hr	3200	6400	9600	9600
Dimensions and weights				
Length/ length with conveyor mm (inch)	2540/1600 (100/63)	3510/1600 (138.2/63)	4480/1600 (176.4/63)	5450/1600 (214.6/63)
Height mm (inch)	2700 (106.3)	2700 (106.3)	2700 (106.3)	2700 (106.3)
Width mm (inch)	1020 (40.2)	1020 (40.2)	1020 (40.2)	1020 (40.2)
Weight net – kg (lbs)	1100 (2425.1)	1500 (3307)	1700 (3747.9)	2400 (5291)
Equipment/Option				
Passage width 180mm	■	■	■	■
Passage width 260mm	–	–	–	–
Pre-heat module	–	–	–	–
Steam module	1	1	1	1
Steam module extension	–	–	–	1
Air module	1	2	3	3
Entry roller	■	■	■	■
Intermediate roller	–	–	–	–
Exit roller	■	■	■	■
Alternative: exit blow-off funnel	–	–	–	–
Loader / Separator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Active unloading	–	–	–	–
Addition of Moisture	–	–	–	–
Teflon coating steam module	–	–	–	–
Steam extraction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam distribution	–	–	–	–
Switch off lower steam	–	–	–	–
Steam nozzles mounted on bottom unit	–	–	–	–
Steam chamber extraction / quantity control	–	–	–	–
Scent spraying	–	–	–	–
Operating Unit	Potentiometer	Potentiometer	Potentiometer	Potentiometer
Monitoring chain tensioning	–	–	–	–
Distance between hooks - optional mm (inch)	670 (26.4)	670 (26.4)	670 (26.4)	670 (26.4)
Indirect spraying	–	–	–	–
Network link / Modem support	–	–	–	–

World-wide Customer Service Network

Customer service is very important for the VEIT Group. A machine breakdown costs money. Our concern is therefore to give our customers answers to their questions as soon as possible and to help to find a solution for any possible problems quickly, efficiently and on-the-spot.



24 hour world-wide service hotline
Our service technicians are available all year round – 24 hours / 7 days per week via our world-wide service hotline.

Germany: +49 (81 91) 479 133
Europe: +49 (81 91) 479 252
America: +1 (770) 868 8060
Asia: +852 2111 9795

VEIT service technicians are present in over 70 countries.

- | | | | | |
|--------------------|---------------|-------------|-------------------|--------------------------|
| Algeria | Egypt | Estonia | Malta | Spain |
| Argentina | Finland | France | Mauritius | Sri Lanka |
| Australia | Great Britain | Greece | Morocco | Sweden |
| Austria | Guatemala | Honduras | Myanmar | Switzerland |
| Bangladesh | Hong Kong | Hungary | Netherlands | Syria |
| Belarus | Iceland | India | New Zealand | Taiwan |
| Belgium | Indonesia | Israel | Norway | Thailand |
| Bosnia-Herzegovina | Italy | Japan | Pakistan | Tunisia |
| Brazil | Jordan | Korea | Peru | Turkey |
| Bulgaria | Latvia | Lithuania | Philippines | Ukraine |
| Cambodia | Luxembourg | Macedonia | Poland | United States of America |
| Chile | Malaysia | Malta | Portugal | V.A.E. |
| China | Malta | Morocco | Romania | Vietnam |
| Croatia | Malta | Myanmar | Russia | Yugoslavia |
| Cyprus | Malta | Netherlands | Serbia-Montenegro | |
| Czech Republic | Malta | New Zealand | Singapore | |
| Denmark | Malta | Norway | Slovenia | |
| Dominican Rep | Malta | Pakistan | Slovakia | |
| | Malta | Peru | South Africa | |

Pressing for Excellence – Why you can put your trust in the VEIT-Group

For over 50 years, the requirements and the problems of our customers world-wide have been our most important challenge. For decades, world-famous brands in the German and the international garments industry have had confidence in the innovative, high-quality products and services of the VEIT-Group.



Our experts consult with you as a partner to assist you in finding the best solution for your project no matter if you are planning to use individual machines or if you need a complete production line.



Prompt delivery and professional installation of your machines and systems goes hand in hand with premium training with which we enable your staff to achieve the highest possible productivity.

Worldwide 24 hr Service Hotline

Our service technicians worldwide are available around the clock so that your production works with as little disruption as possible.



We look forward to dealing with you personally!

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