

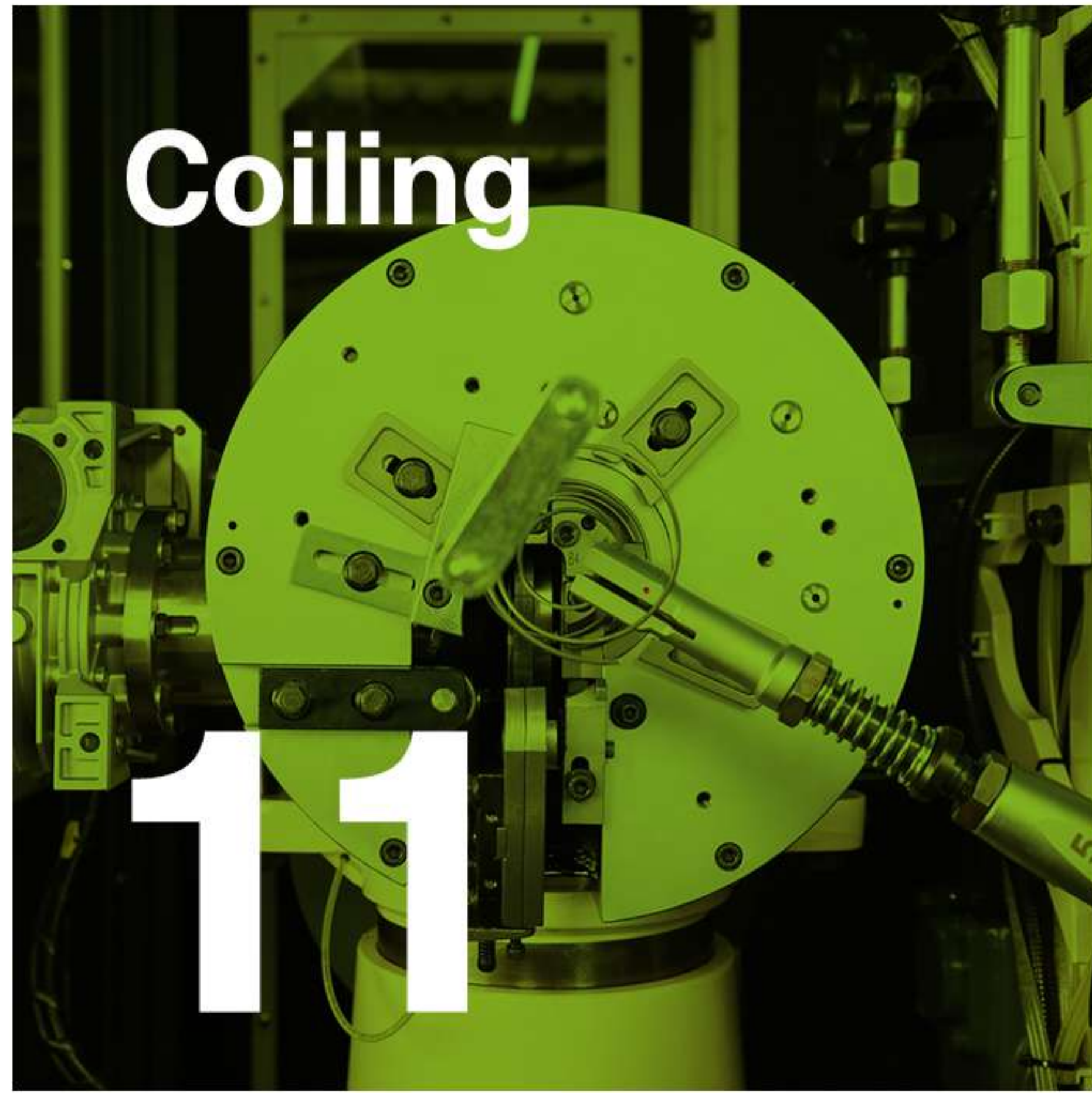
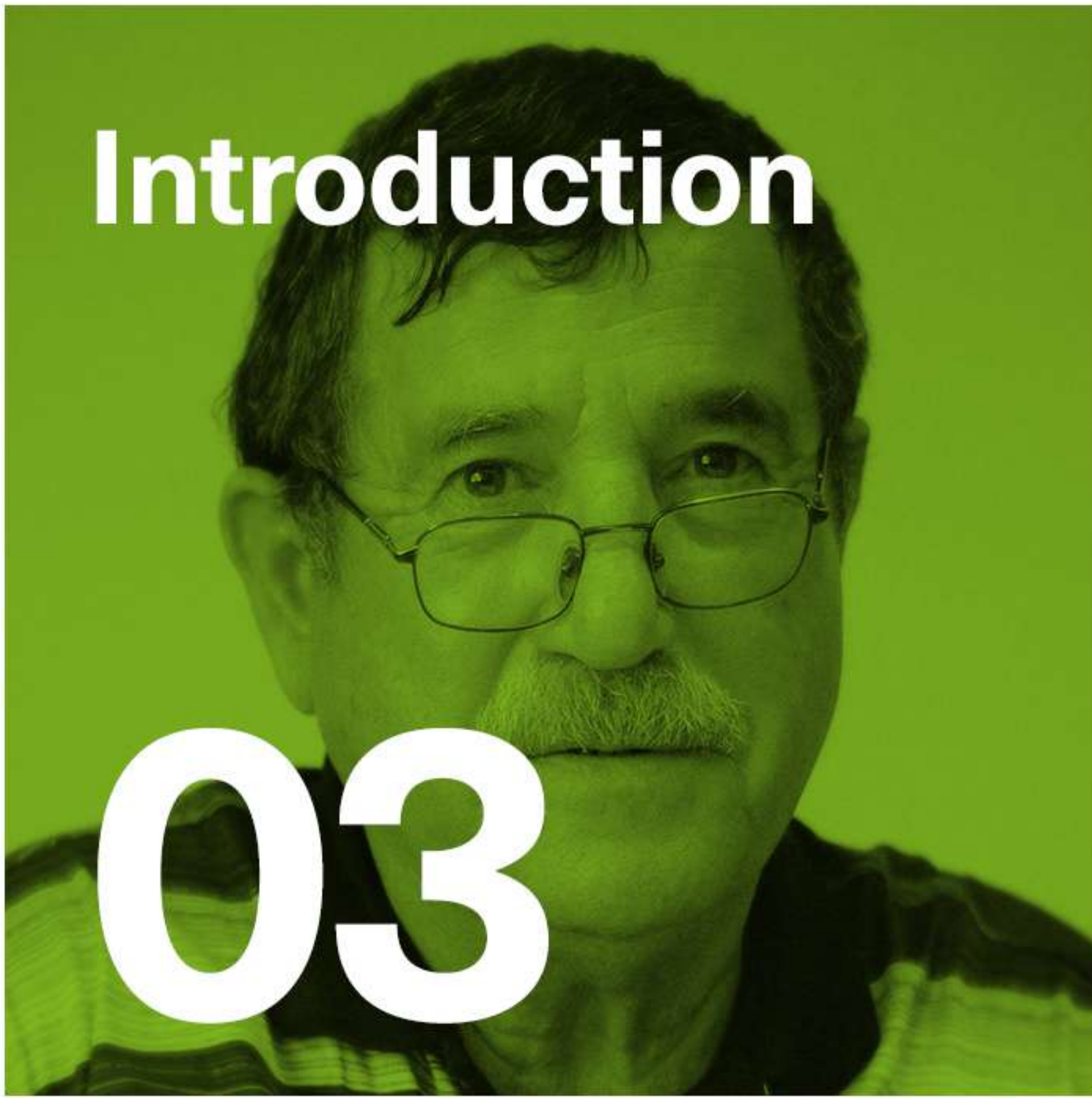
VK

Machinery that never sleeps.

Inspiring Innerspring Technology

**VTC Series - Automatic Bonnell
Transfer Machine**





The World is Changing

The change is inevitable. This will continue now and in the future. And the furniture industry is no different. The preferences

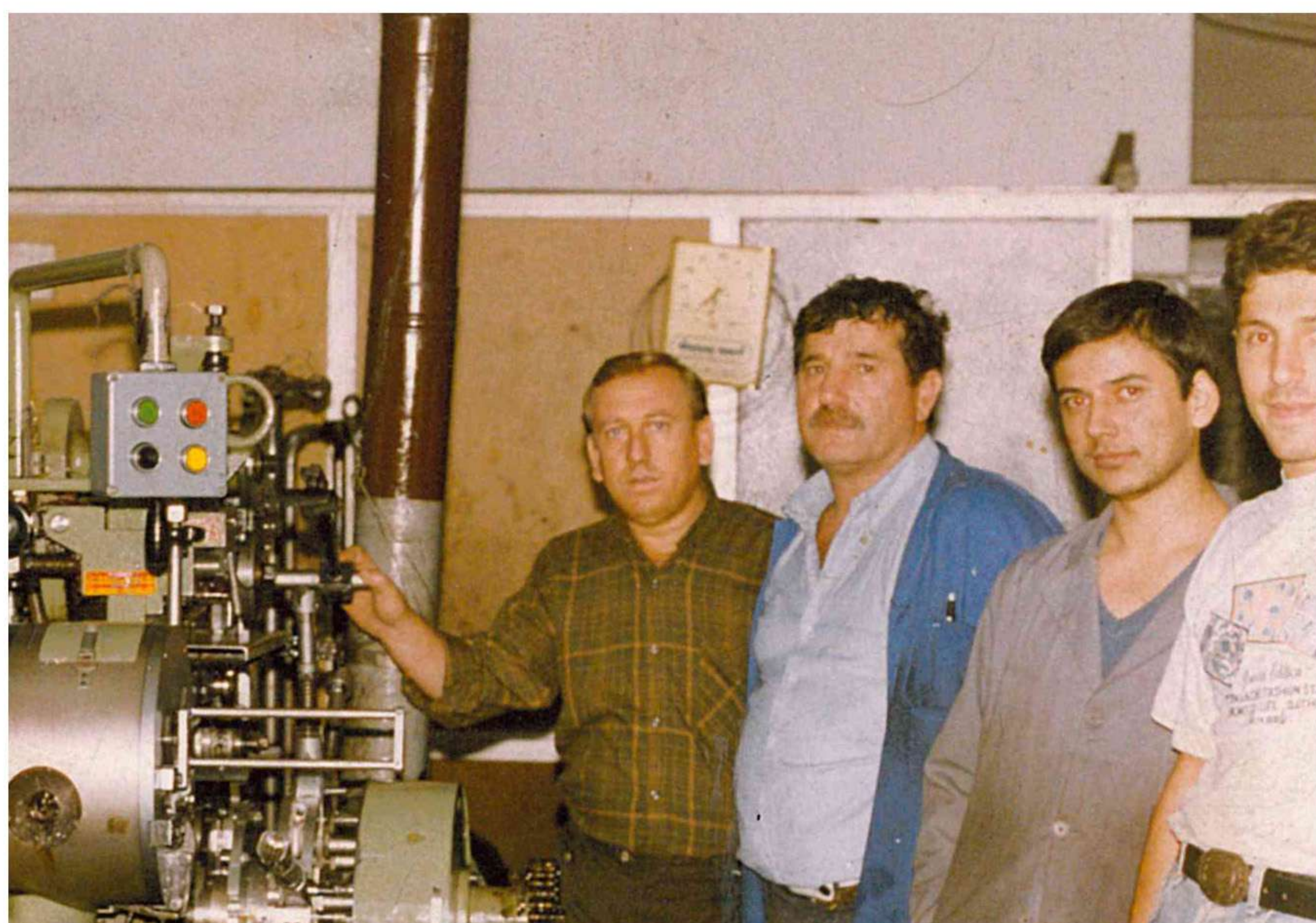


- Mr. Yalçın & Yücel Kütüklü

about furniture are evolving non stop. It's inspiring that VK Mattress Machinery can keep up with these changes, develop the furniture companies and adapt the VTC machine to the

needs of the industry. In this new catalog we would like to introduce you the excellent efficiency and advanced features of this machine. You can find out how the innovations of the VTC machine

**will make a
extreme
difference in
your production
of bonnell
spring units.
Discover the
incredible**



- Year 1990

**flexibility of the machine, double production
efficiency compared to other machines used
in the industry, and ease of use in every
detail. We have taken this machine to the
highest industry level based on our 55 years
of experience and we are proud that it has
been accepted by the largest furniture
companies in the world. Now is the time for
change, now we are coming to the end of the
era in which mattresses are produced with
human manpower.**

**Are you ready
for change?**

VK Mattress Machinery

For the past 55 years, VK Mattress Machinery has been consistently providing the mattress and furniture industry with high-quality solutions and tools to help producers all over the world elevate their production quality and efficiency. Today, one of our most advanced machines on the market is the VTC Series – Automatic Bonnell Transfer Machine, which was developed with the aspiration to provide a robust machine

Producing Robust Machinery for
55
YEARS



Want to take a closer look?

Scan & see our machines videos.

that not only can serve you for many years but can also immensely impact your bonnell production in ways that no other machine on the market can, while achieving the highest-level of production efficiency in the world.

Worldwide Presence

The VTC - Automatic Bonnell Transfer Machine has a worldwide presence, companies in Europe, Asia, Africa, South America and North America are all using VTC machines daily in order to provide their markets with top-class bonnell spring mattresses and furniture.





**since
1968**

— Mr. Veysel Kütüklü, Extensive Expert in Metalworking.

The foundation of the company started when Mr. Veysel Kütüklü came back from Germany, bringing with him 8 years worth of professional experience.

With that he officially founded VK Mattress Machinery on the 22nd of October 1968 in Bayrampasa, Istanbul, and started with the production of automotive parts for the largest automotive factory in Turkey.

During the 1970s, VK started working with big international pharmaceutical companies such as Pfizer, Hoechst, Novartis, Bayer, Schering, Knoll, Merck, Abdi Ibrahim and many more to providing them high precision molds for medicine packing. The extreme precision in the pharma industry with the acceptance of the tolerance helped a lot to reach in a short time the highest quality level in the mattress machinery industry.

Using all that experience from previous projects, and because of the extreme demands on the market, VK ventured into the mattress and furniture industry with the goal of providing the market with quality and top-notch machinery. It quickly became one of the best machinery providers locally and internationally, and one of only 3 companies in the world that can produce a fully automatic bonnell transfer machine.

Words From VTC Machine Users



We have started our bonnell production with the VTC Machine, and now we have 3x VTC 100 machines that are working non-stop. We've been impressed with the quality of their services & spare parts, and we are very happy we are working together. We have created a bond beyond business. We consider VK as a part of our family.

— Gelu Bucur, Gelu Com (Romania)



VK Mattress Machinery is an outstanding company to work with and their service levels are superior to most European companies that we work with. You feel part of the family from day one. The VTC Automatic Bonnell Transfer Machine is not the first VK machine we purchased, nor will it be the last.

— Johannes Swanepoel, Strandfoam (South Africa)



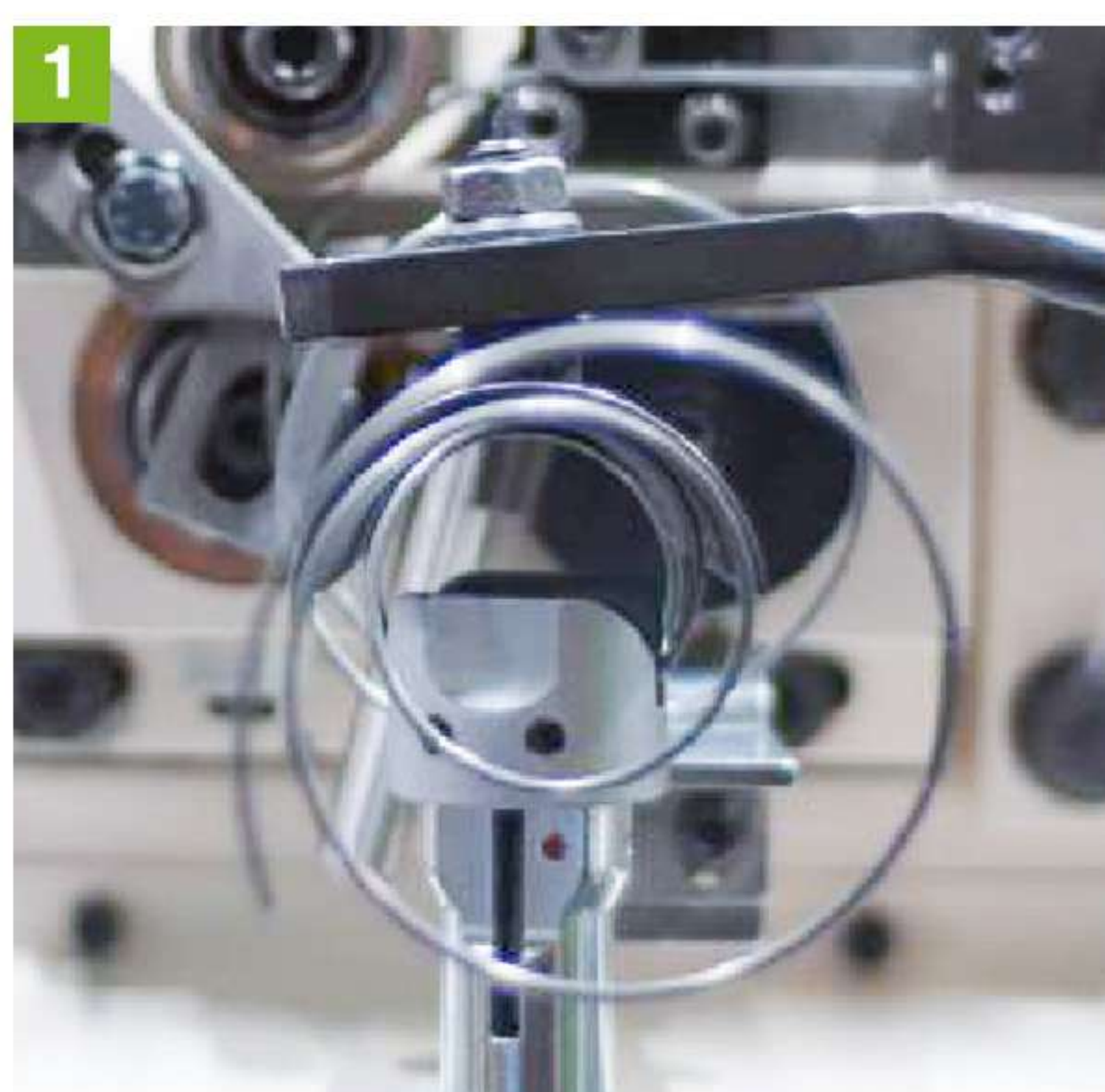
We were using manual bonnell machine for 50 years until we discovered the VTC machine and now we have completely switched to using it thanks to its flexibility and consistent high performance.

— William Gomez, Colchones Eldorado (Colombia)

Bonnell Production, Made Easy

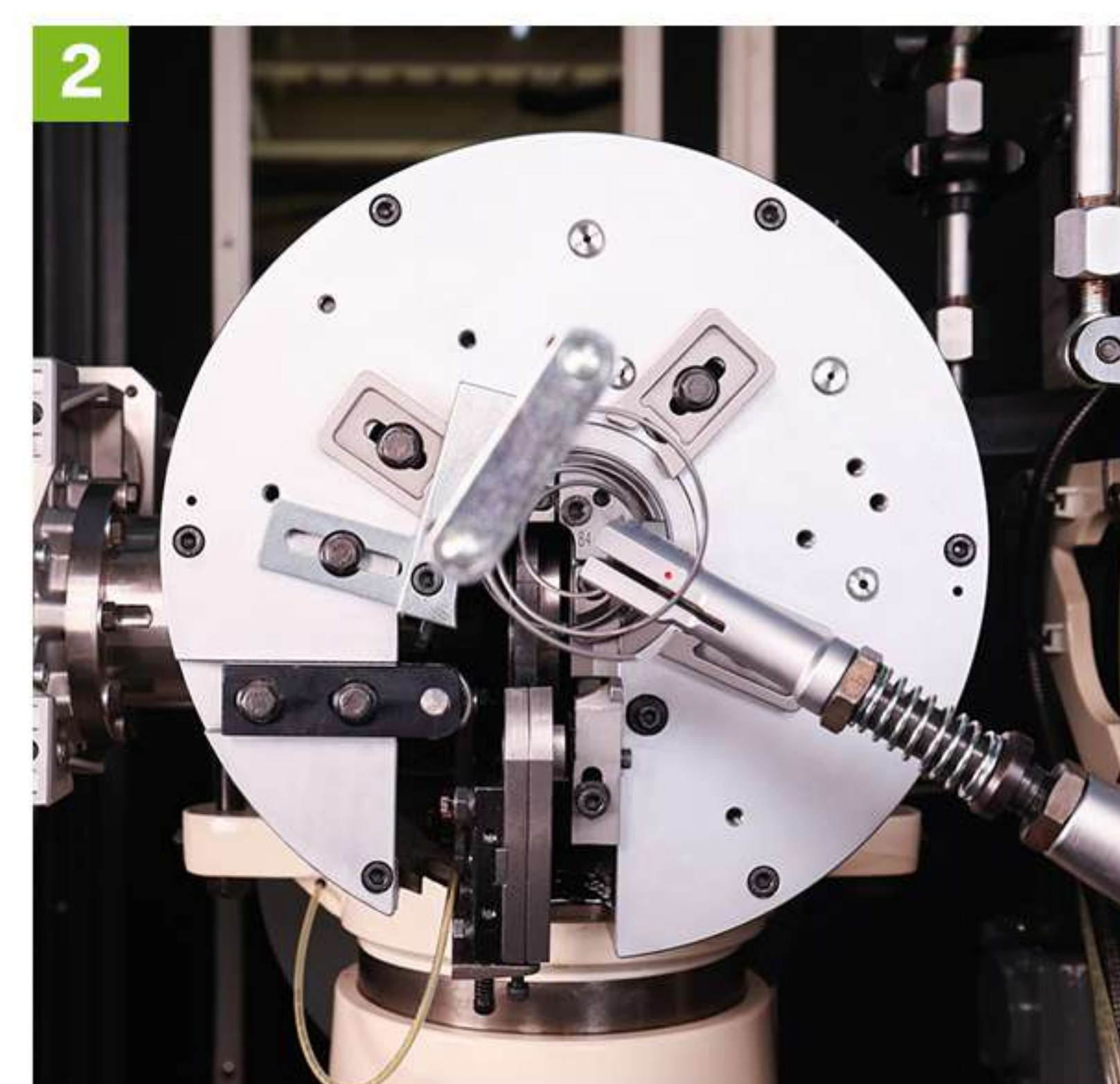
× Phase 1:

The steel wire gets formed to a spring in the coiling machine.



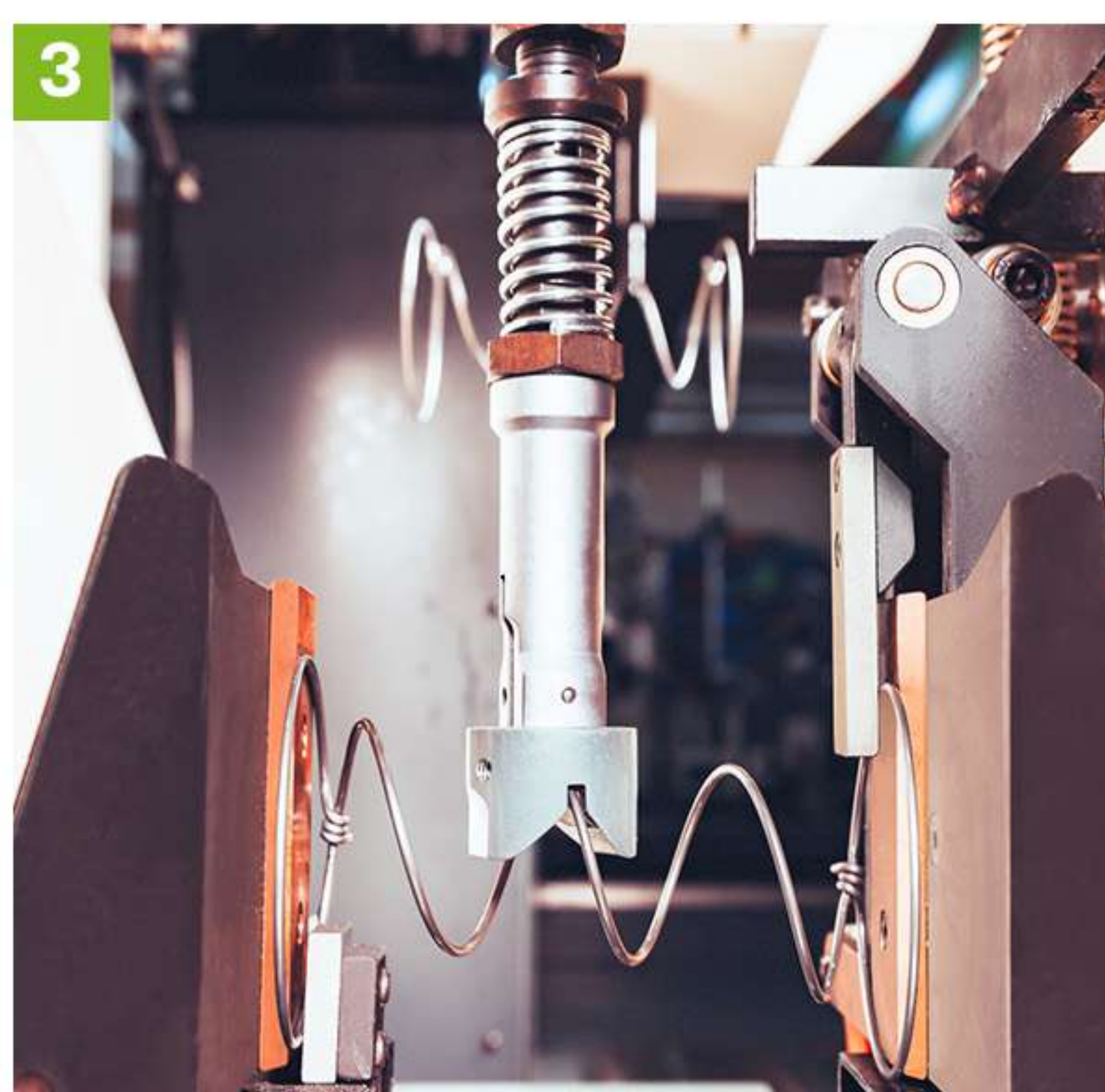
× Phase 2:

The springs are getting knotted at both ends.



× Phase 3:

The springs are getting heat treated between two electrodes.



× Phase 4:

The springs are getting transferred to the assembly part of the machine.



× Phase 5:

Spring pusher system moves the springs into the jaws.



× Phase 6:

A spiral wire assembles the springs to get a finished & read-to-use spring unit.

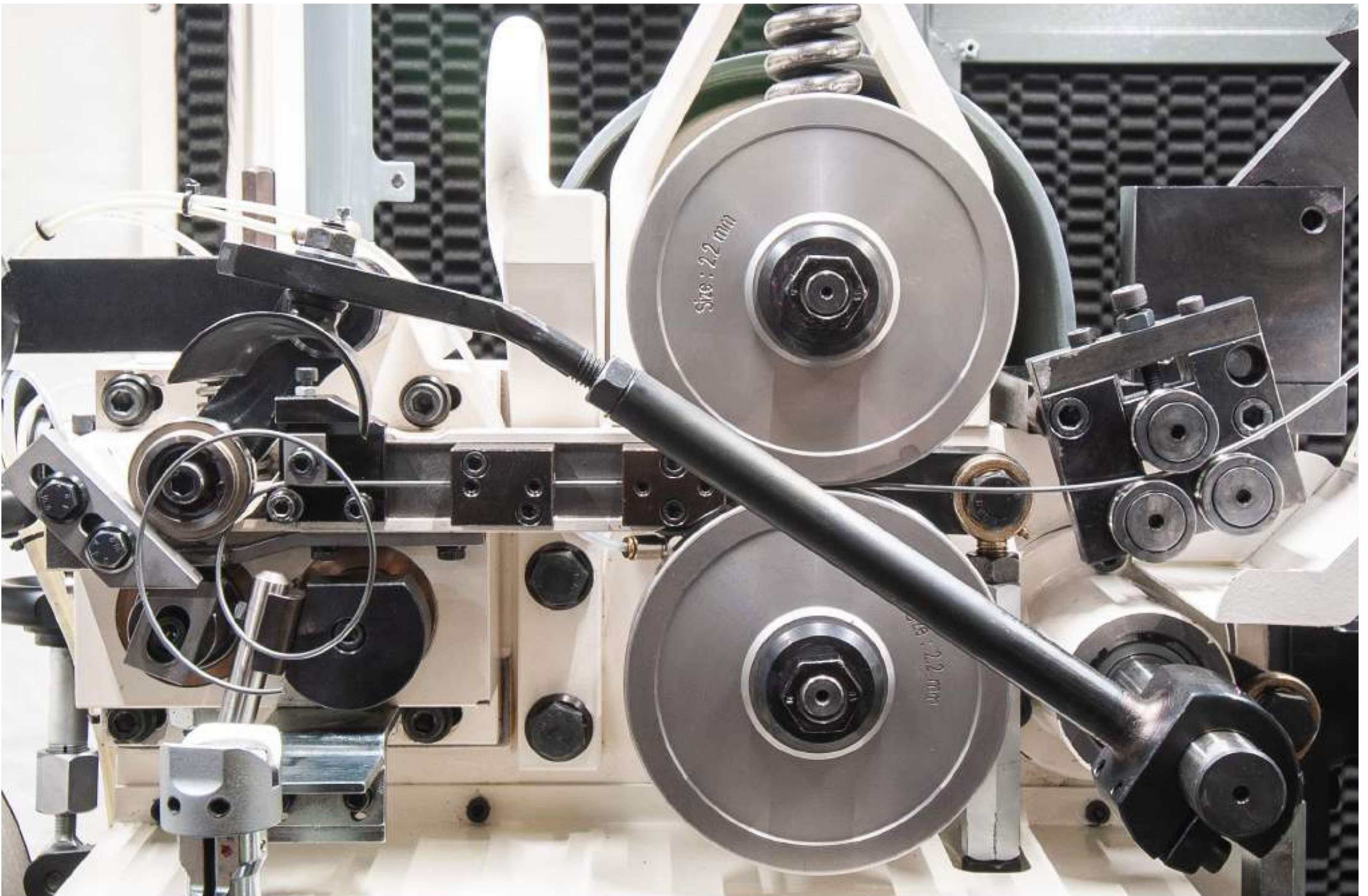


Unmatched Speed

800

Springs/min

Exceptional Quality



× Impressive Wire Cutting System

Wire cutting system with durable carbide cutting tools. These tools are made for the highest quality performance during the cutting process of millions of springs.

× Strongest Wire Feeding Rollers

Designed using the strongest materials, our wire feeding rollers are proudly made in-house by our engineers to make sure they have a long lasting lifetime & durability, up to 10x more than normal wire feed rollers.

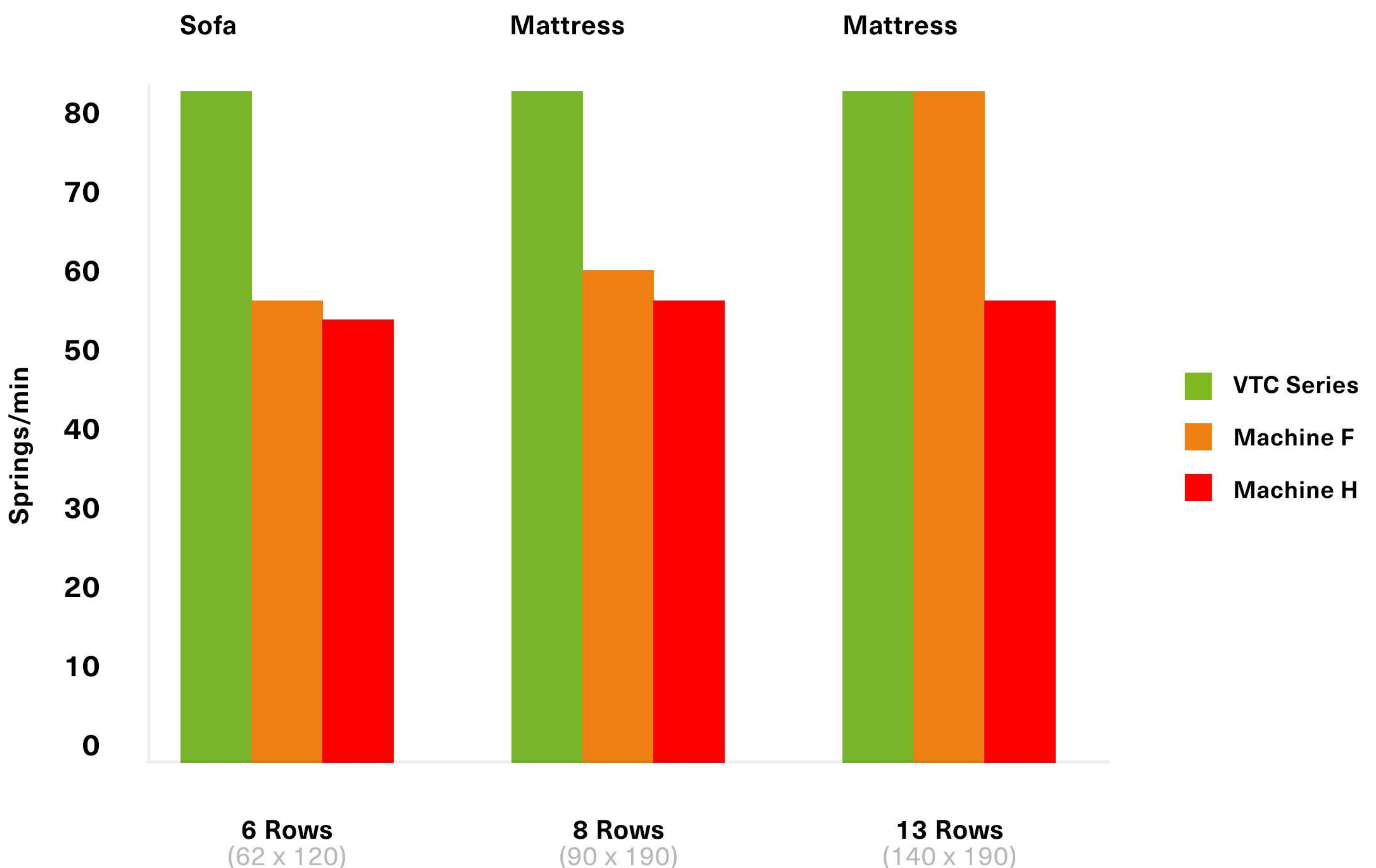
~~3 Minutes
& 20 Seconds~~

2 Minutes
& 20 Seconds

That's all it takes to produce one single size spring unit with a size of 90x190 cm | 8x23 springs. It's 60 seconds faster than the closest competitors.

Unparalleled Performance

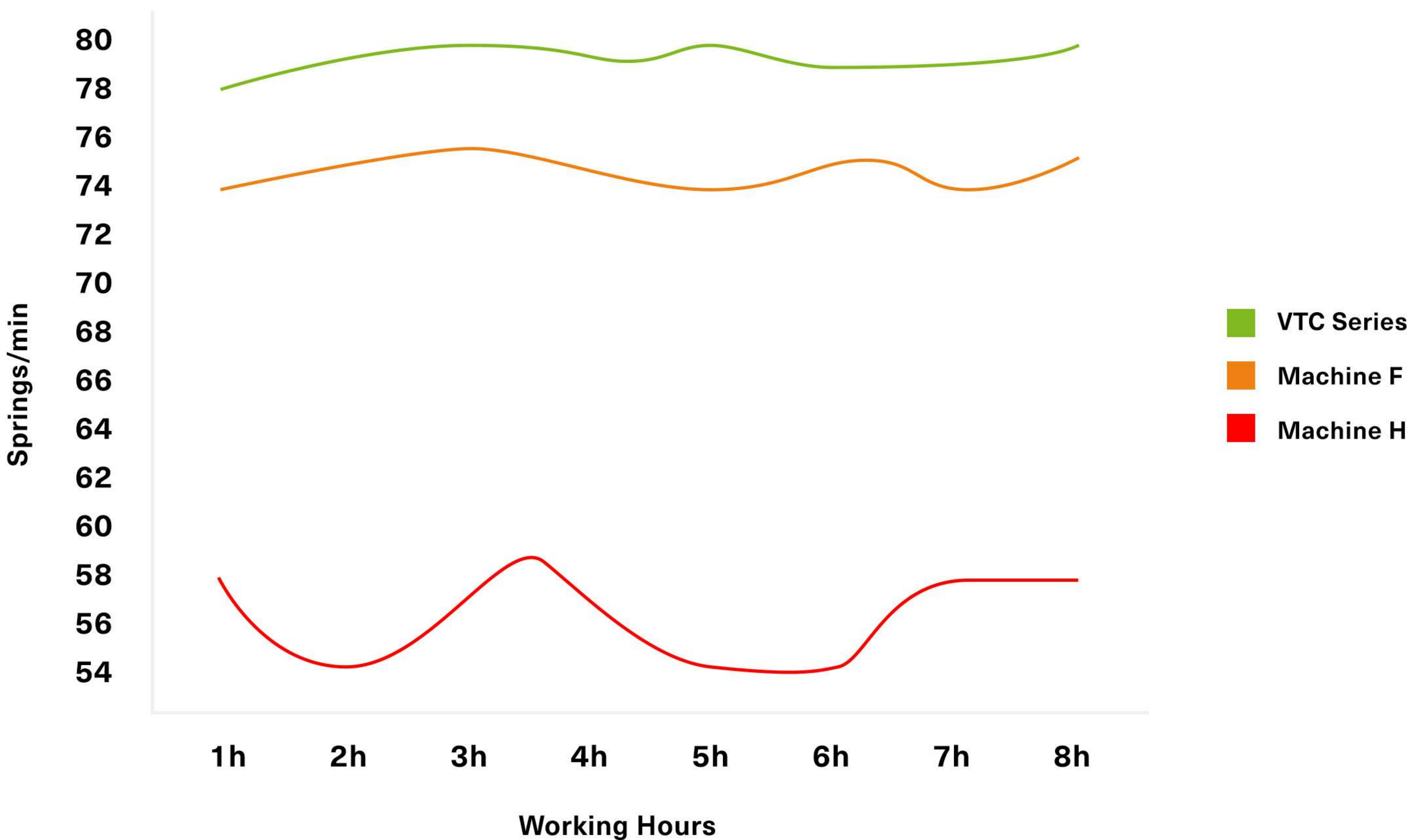
Our VTC machine performance is miles ahead of the competition. Whether you are working with 6, 8 or 13 rows, the machine works at a maximum speed from the start, with no deceleration or declines.



— Sofa & Mattress Spring Units Graph

The graph above showcase a test results done on different machines from different competitors using different row settings with similar working conditions. The number of springs produced per minute is very consistent on the VTC machine at 80 springs per minute.

Highest Productivity Machine on The Market



— General Performance Graph

At VK, we thrive for consistency and high performance machine, that's the reason behind our steady and stable production performance of our VTC machine. With 80 springs/min our machine has the highest performance of any bonnell machine on the market, with an unmatched consistency, suitable for 24h production.

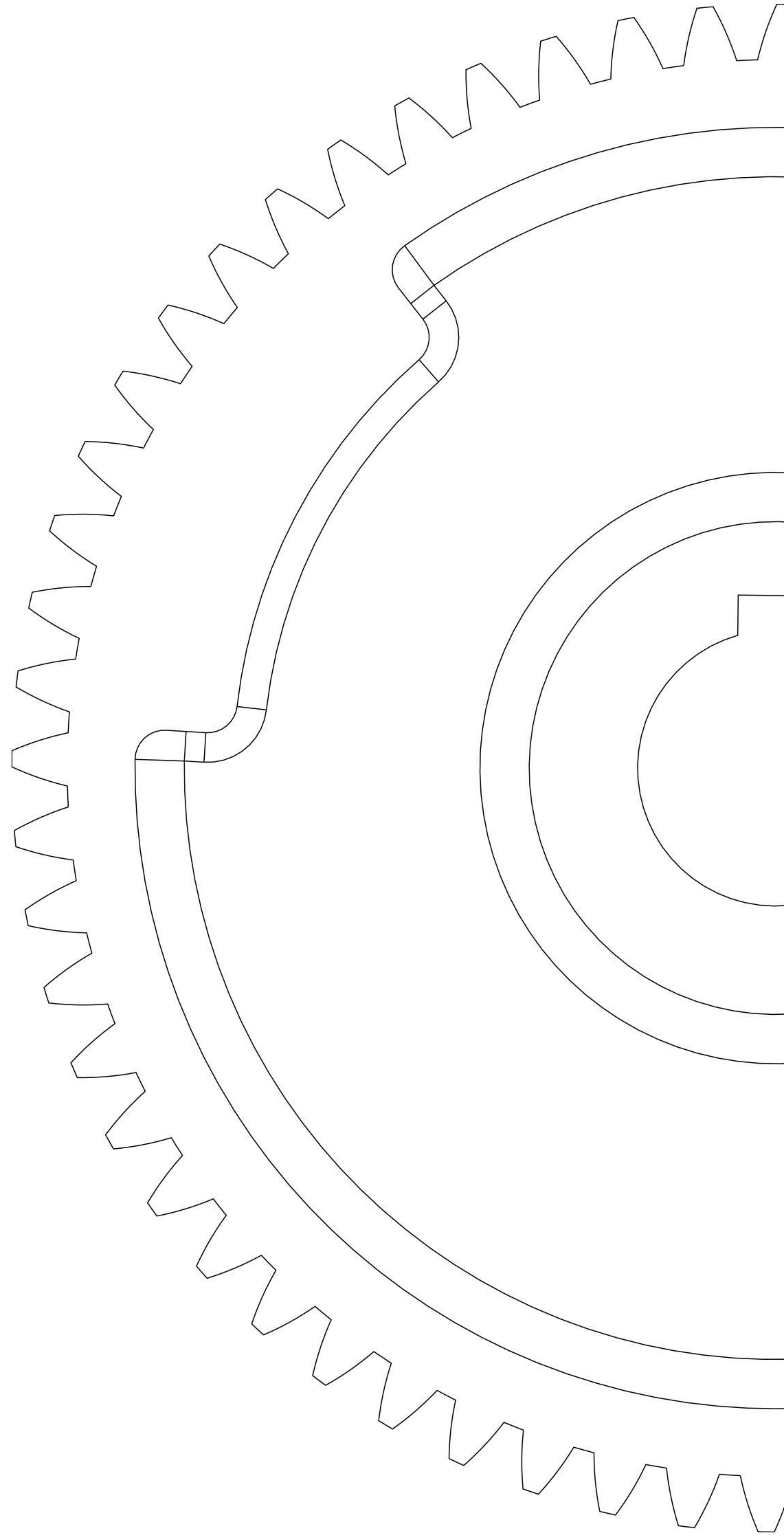
Immense Production Efficiency



— Production Numbers During 8h Shift

During an 8 hours production shift, the VTC machine is capable of producing around 218 single size mattresses (8x24 springs | 90x190cm), averaging a production time of **1 single size mattress every 2 minutes and 20 seconds**, while the other machine takes a minimum of 3 minutes and 25 seconds to produce 1 single size mattress in the same size.

Tons of Features Behind Every Bonnell Spring



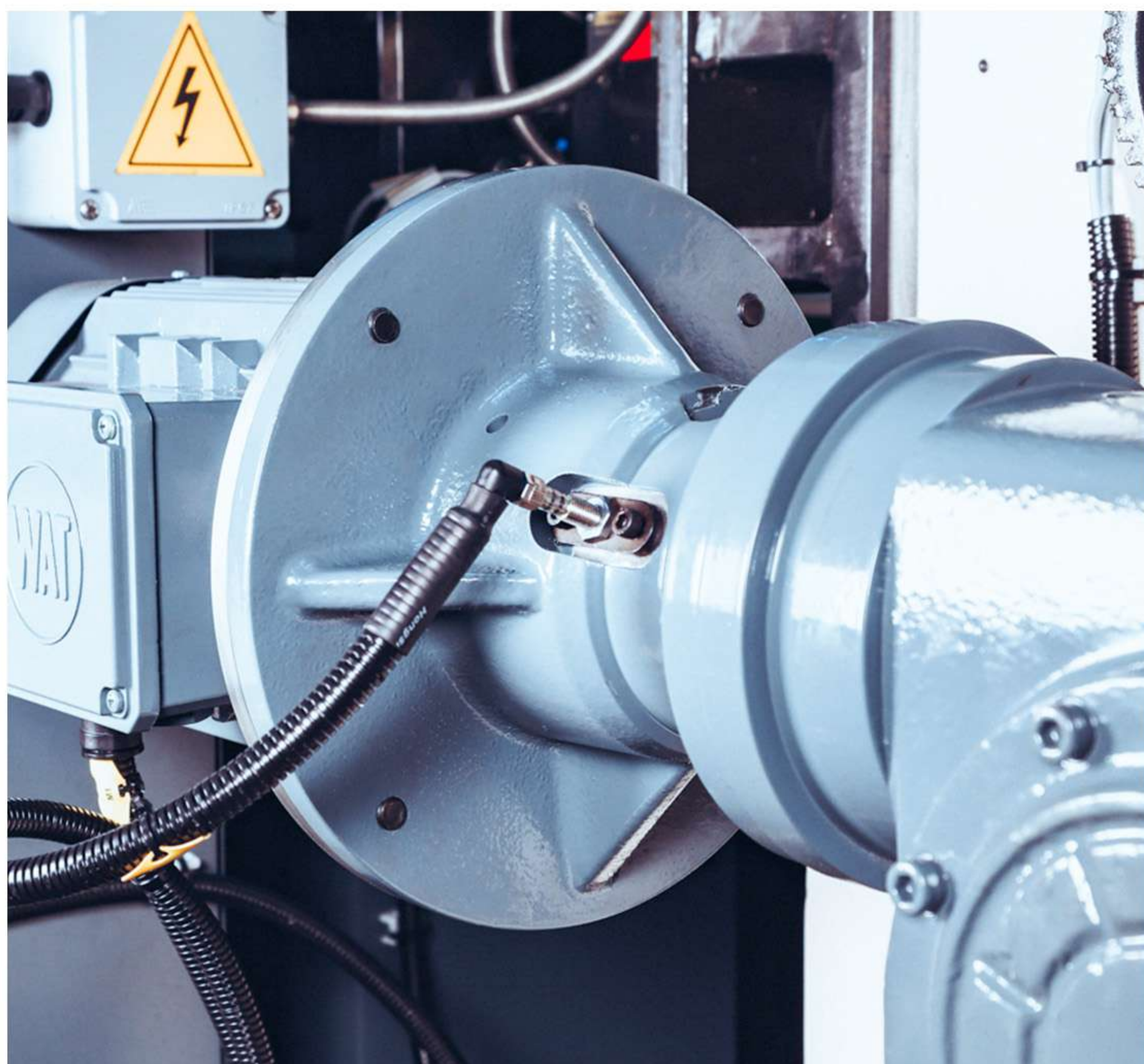
Coiling

× Automatic Lubrication System

The automatic lubrication system ensures a periodic oiling of 20 points on the machine with the option to set the desired time frame for each lubrication through the touch-screen display. The oil tank capacity for the coiling section holds 3 liters, while the spiral lubrication tank can hold 6 liters. There is no more need for manual lubrication needed.



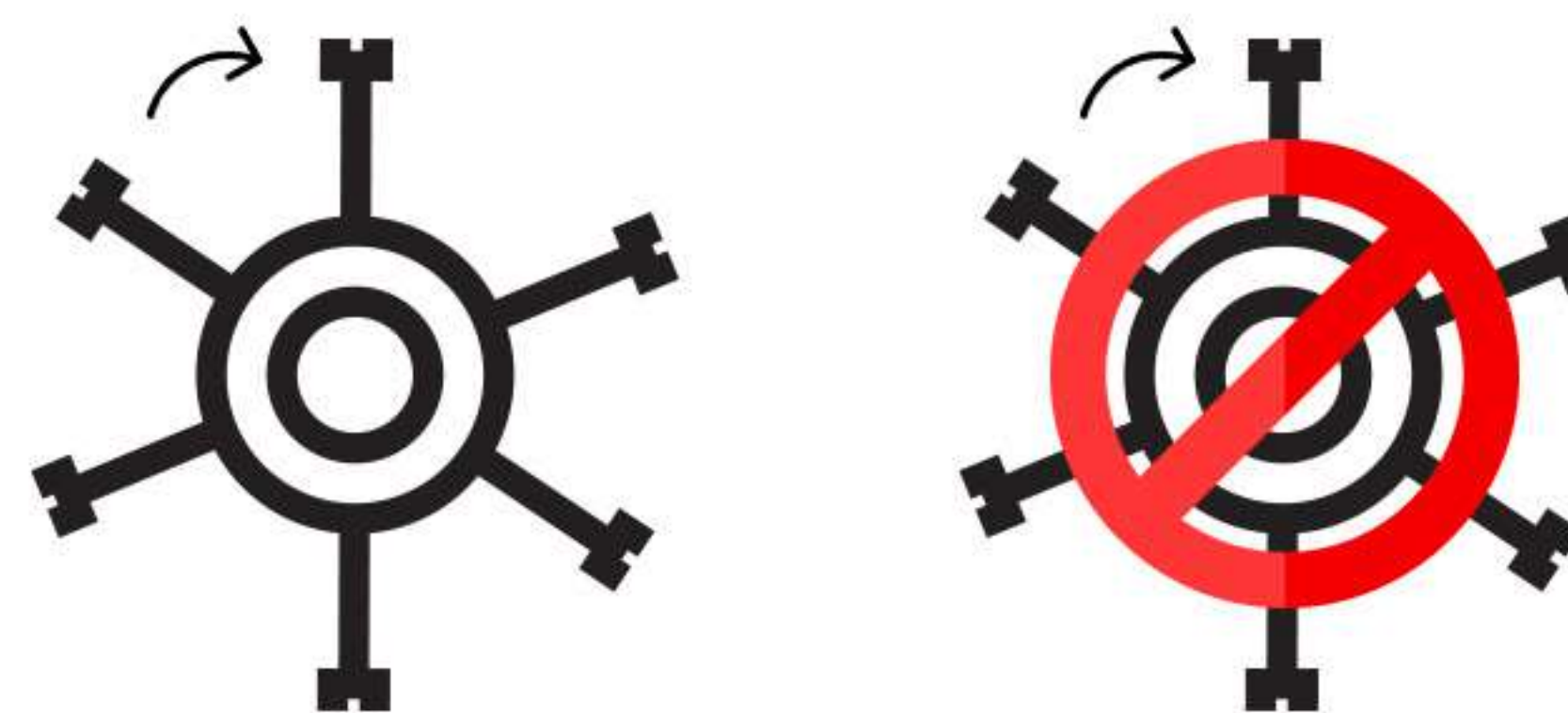
— Lubrication System



— Arm Security System

× Damage Protecting Arm Security System

Our german technology torque limiter ensures a safe working environment by making sure the machine is stopped if anything blocks the arms from moving. This security system prevents bigger damage to the arms.



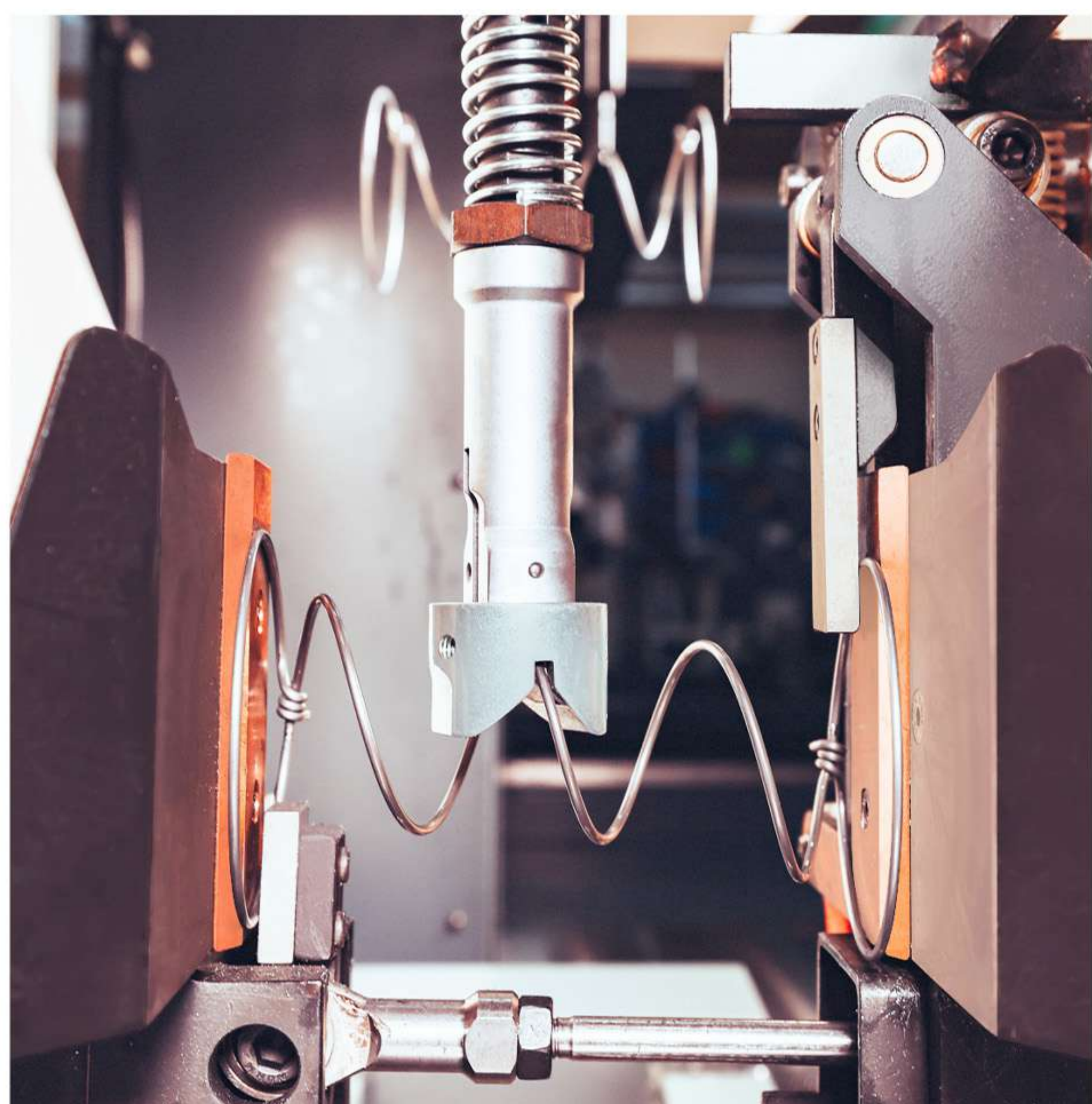
Impressive Features.

× Digital Heat Treatment System

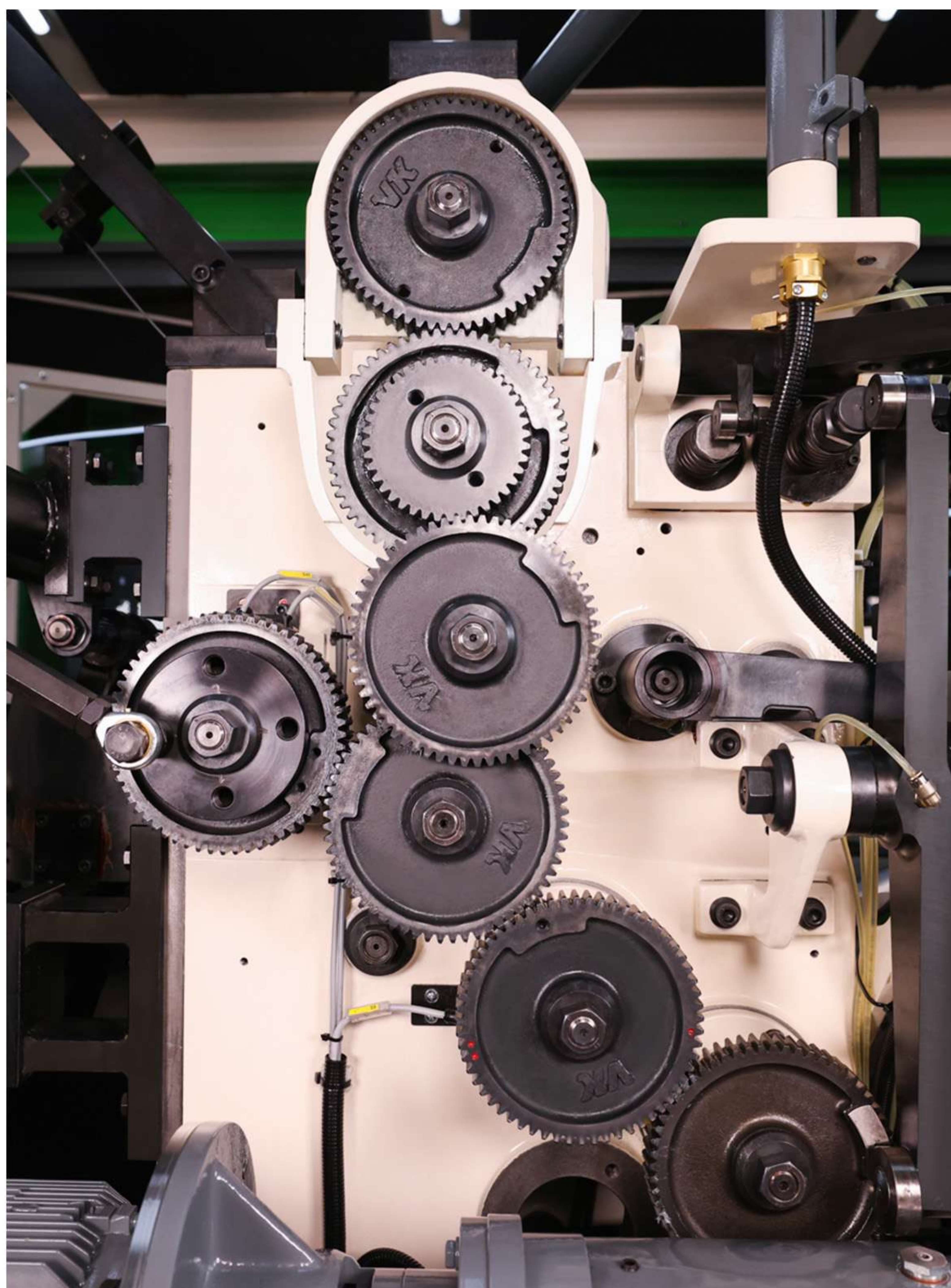
Our heat treatment unit is one of the most advanced technologies on these type of machines, it provides maximum durability to the bonnell springs and ensures that every spring is stress-relieved and strengthened. The flexible heat treatment unit offers a multi degree treatment options, which is adjustable easily from our touchscreen display.

× Unique Gear System

A robust gear system where gears be easily adjusted and replaced without struggling with a chain system like on other machines. The red markings on the gears are allowing you to replace gears in the shortest time. We are also using only high quality materials, to ensure that our gear system can stand tough against gear failure, wear and tear as well as lasting the longest from any coiling system on the market.



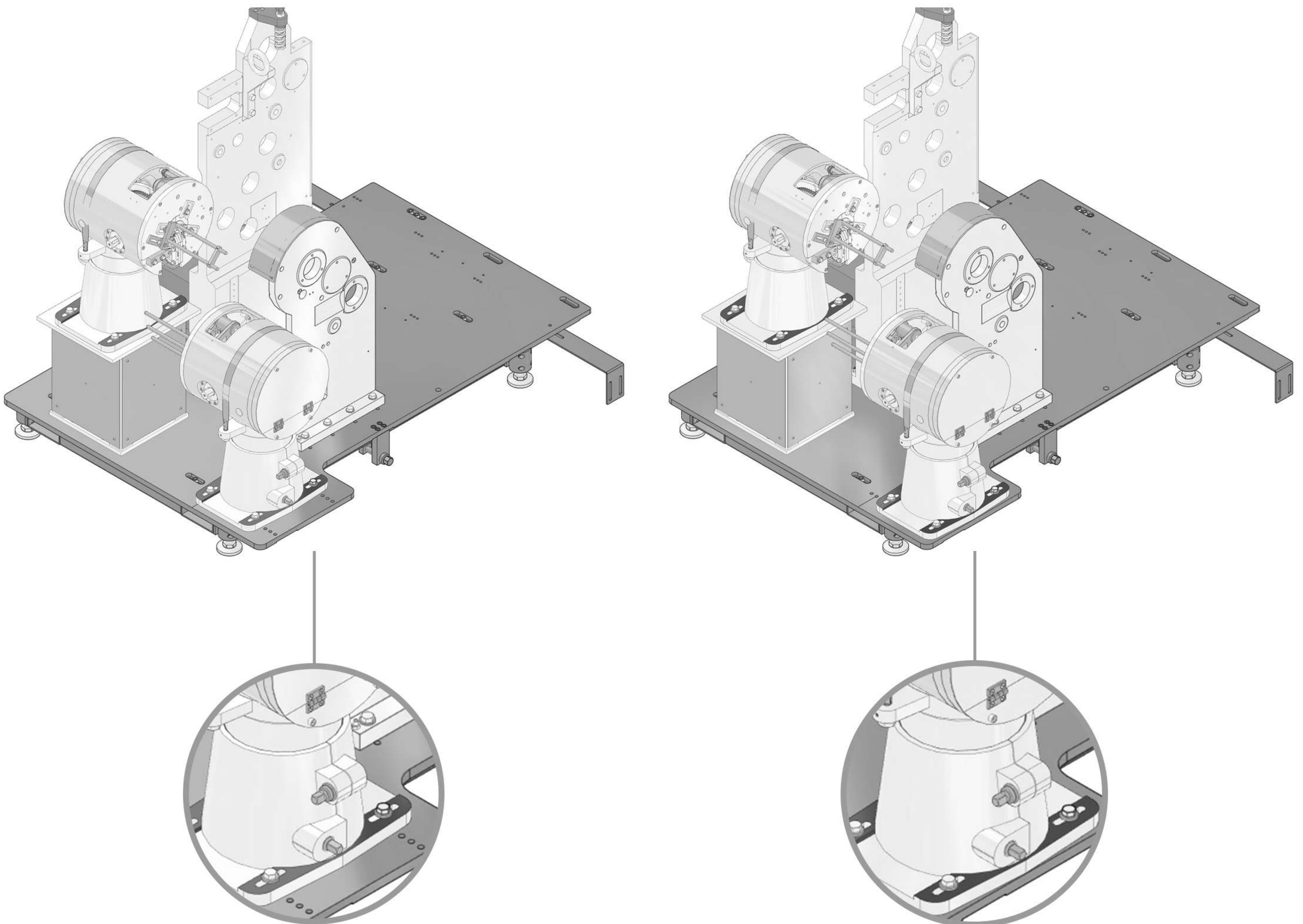
— Heat Treatment System



— Gear System

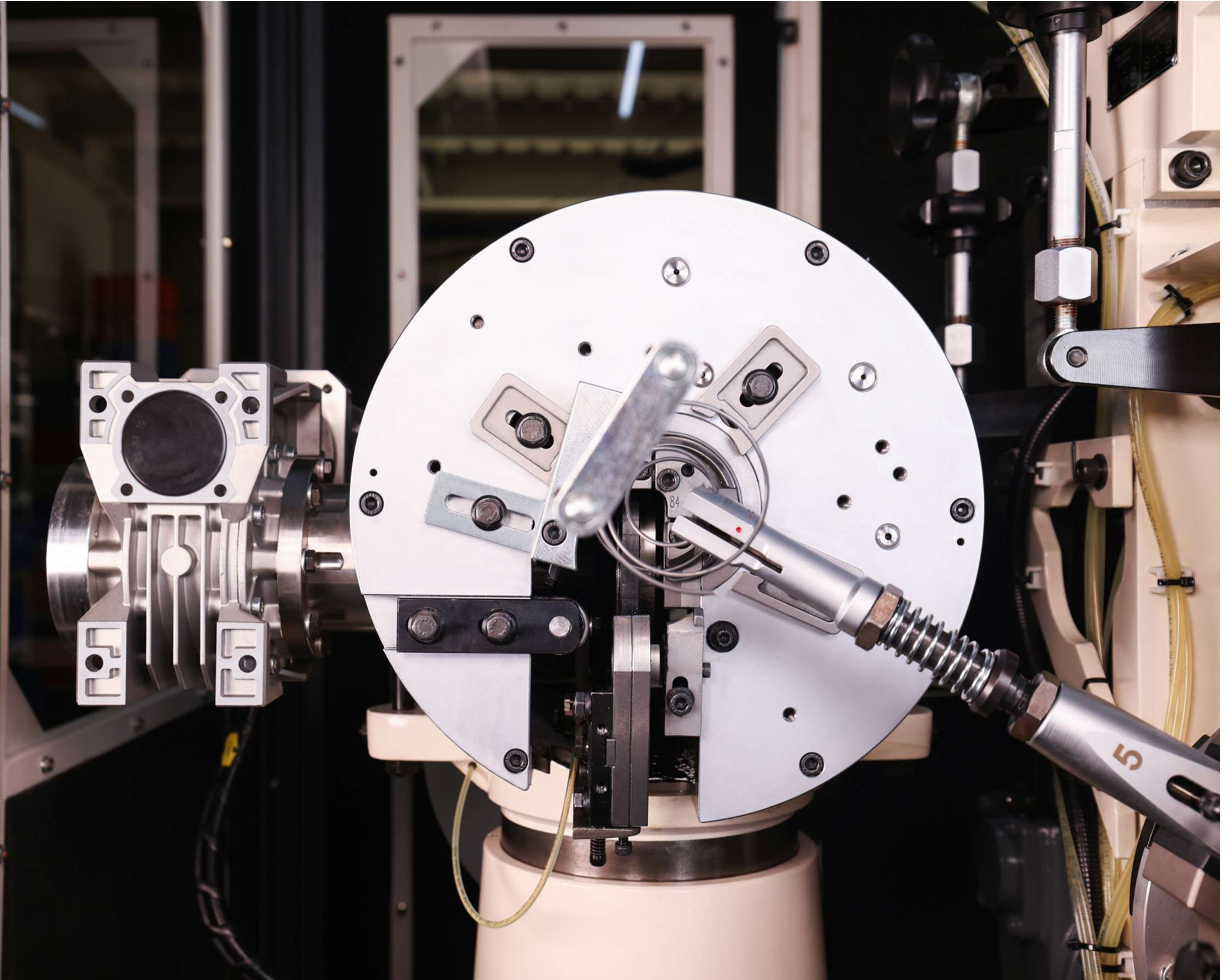
Adjustable Robust Base

The rigid construction of the VTC machines offer a vibration-free production experience, as well as a leveling system that allows an easy stabilization of the coiling section for it to be adjusted to the right level with the assembly section. The machine design also makes it easy to change the coiling section position to adjust the spring height.



× Easy-To-Adjust Machine Drums

The drums used on our VTC machine are robustly empowered with servo motors and allowing an independent operation without getting power from the main motor. The new designed drum system allows an easy spring diameter change without the need to adjust the cam unit setting.



— Machine Drums

Meticulous Accuracy



— Coiling Control Panel



— Door Lock Safety System

× Coiling Control Panel

The machine offers multiple control panels to change the coiling settings, which is located inside the coiling area. This panel enables to make adjustments on the spring outside diameter and spring height in the easiest way.

× Soundproofing & Ventilation

The coiler unit is equipped with soundproofing panels that helps reduced the production noise drastically as well as a sound-insulated ventilation system that helps clear oil dust and small wire particles which keeps the coiler unit clean.

× Wire Inputs

Wire inputs positioning options for the machine basket can be in 3 areas depending on the desired position by the purchasing company, either left, front, or the back of the machine.

× Door Lock Safety System

Another safety feature that the VTC machine offers is something that is being ignored on other machines: Door Lock Safety System that prevents the machine from working in case the coiler unit door is open, only after closing that the machine resumes it's work without the need of any intervention from the operator.

× Floor Leveling System

During the VTC machine installation the floor leveling system helps us level the different parts of the machine to ensure a very stable and steady production performance.

× Basket Cage

Built using a woven wire mesh design which offers an excellent security for the rotating wire bundles during production.

Coiling



× Security Lambs

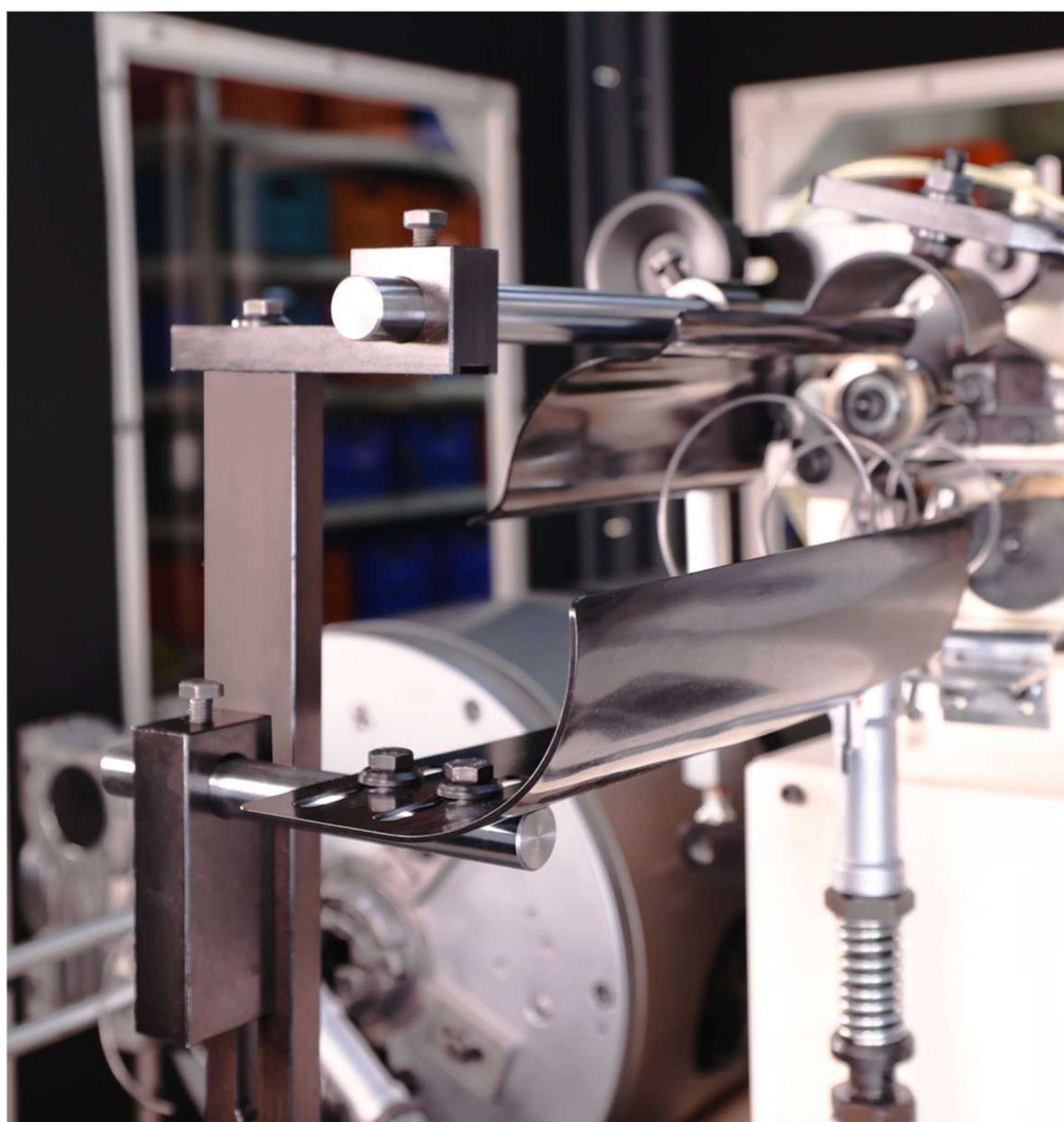
Safety light system on the top of the coiler unit that helps indicate the status of the machine.

(Red = Not Working, Green = Working)

— Security Lambs

× Spring Stabilizer

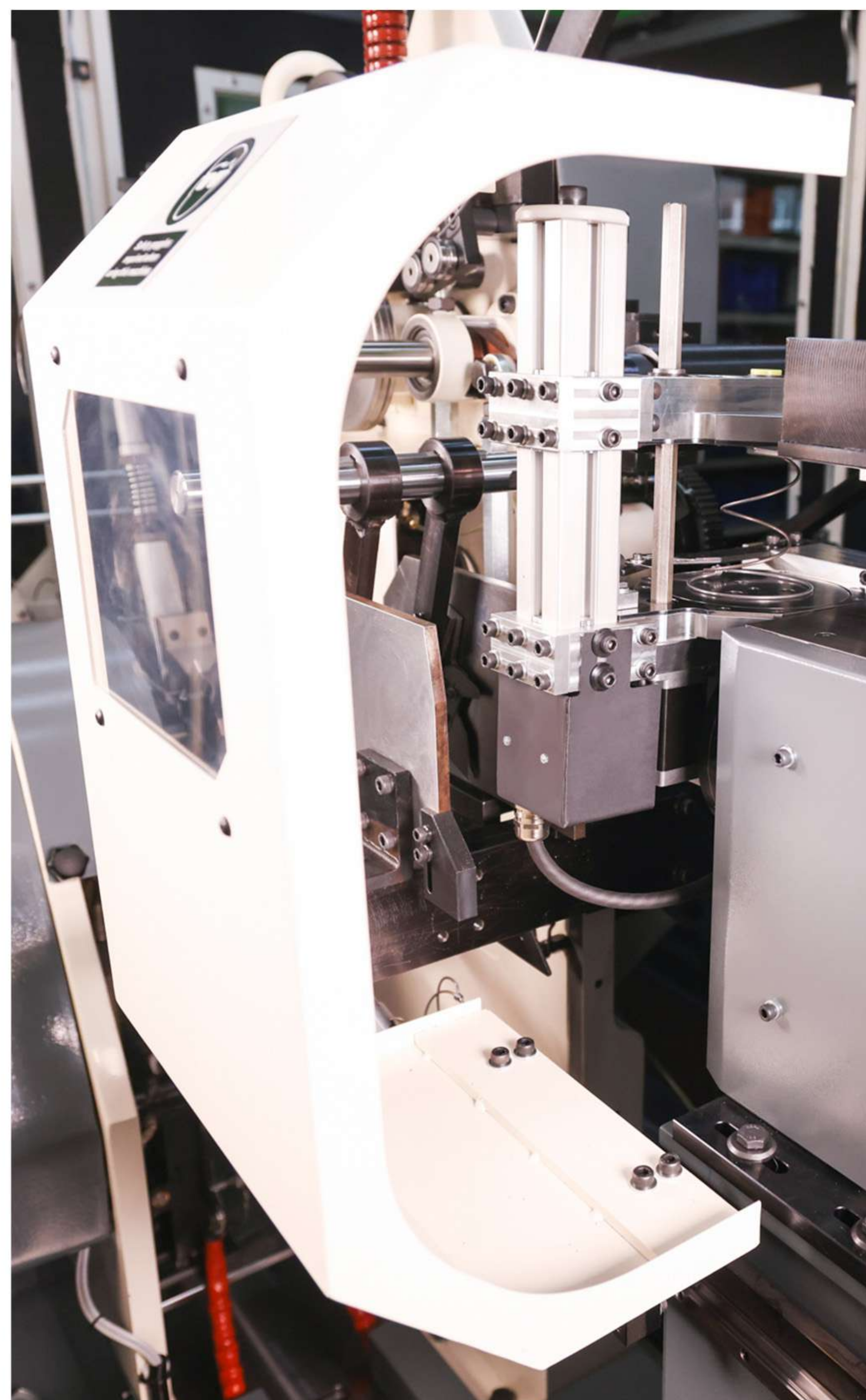
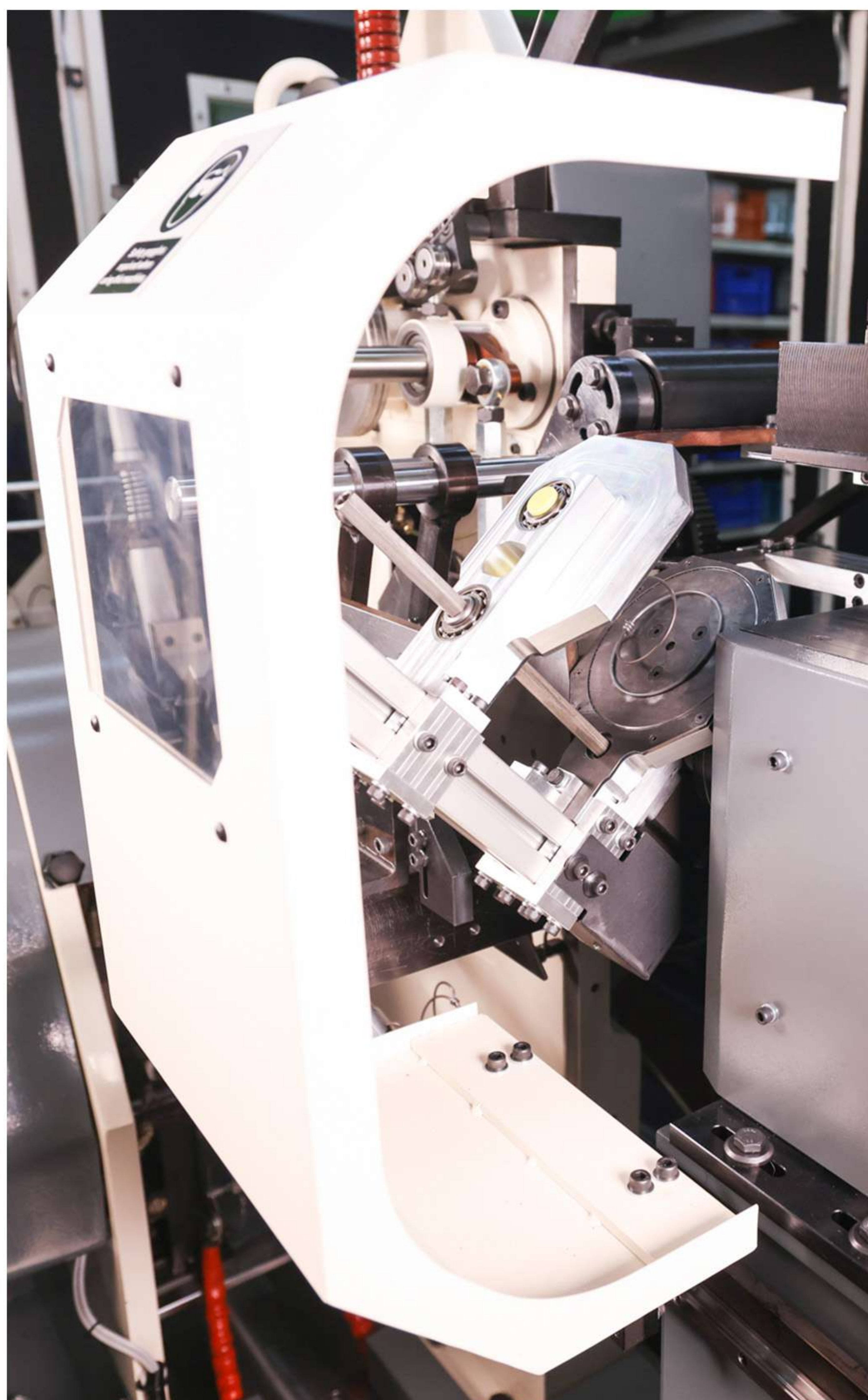
During the spring forming process the spring stabilizer provides a smooth and stable bonnell spring forming process.



— Spring Stabilizer

× Patented Transfer Technology

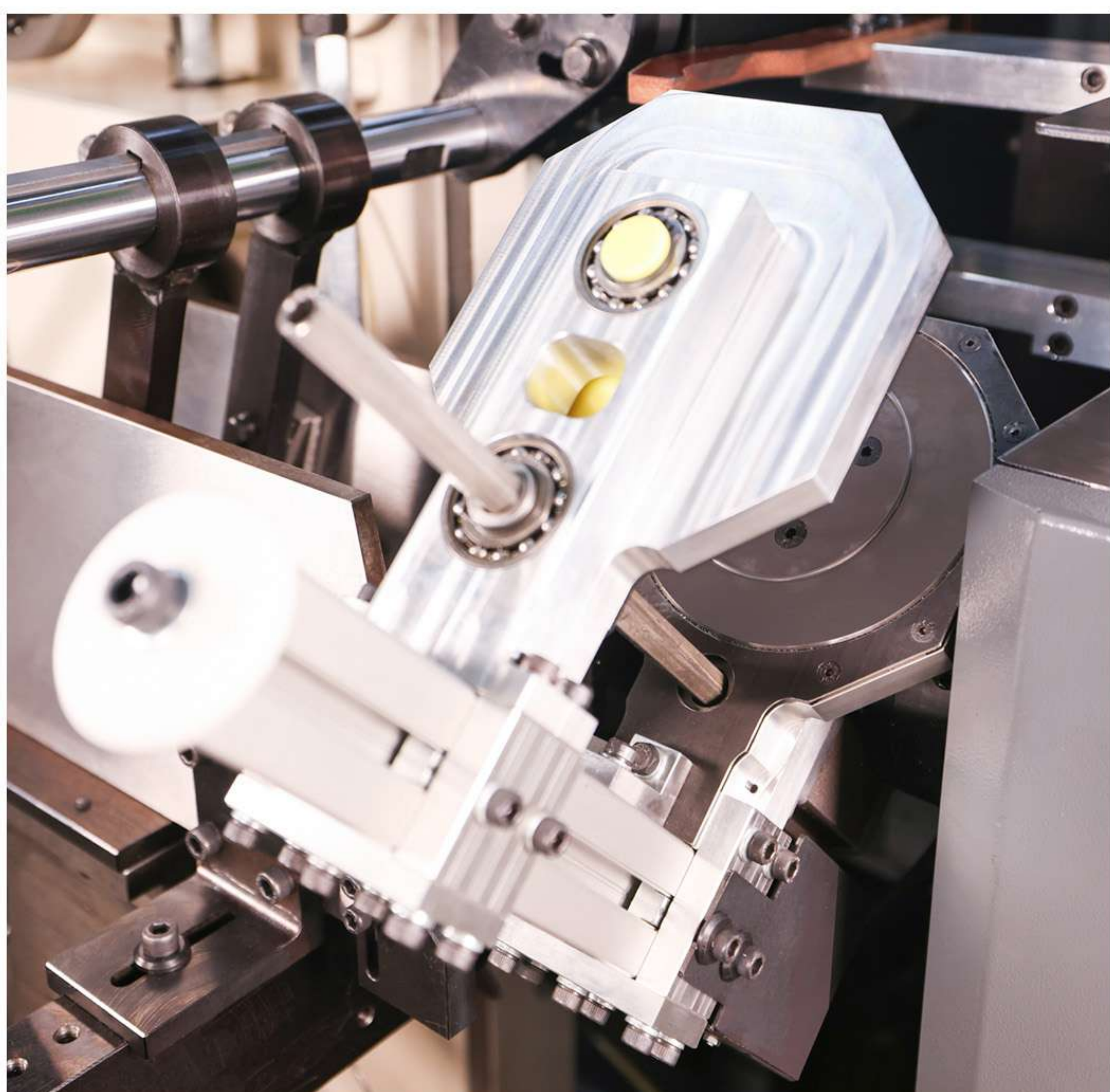
The patented transfer mechanism is an optional designed integration between the coiling and the assembly part of the machine, which takes the machine speed to the highest level. The perfect synchronization between the coiling part and the assembly part enables the transfer of 80 springs/min on time.



Transfer Brilliance

Next Level Bonnell Spring Production

Not only the coiling part of the machine that enjoys many features but also the patented transfer unit of the VTC machine comes with many more technical innovations.



— Spring Turning System

× Outstanding Spring Turning System

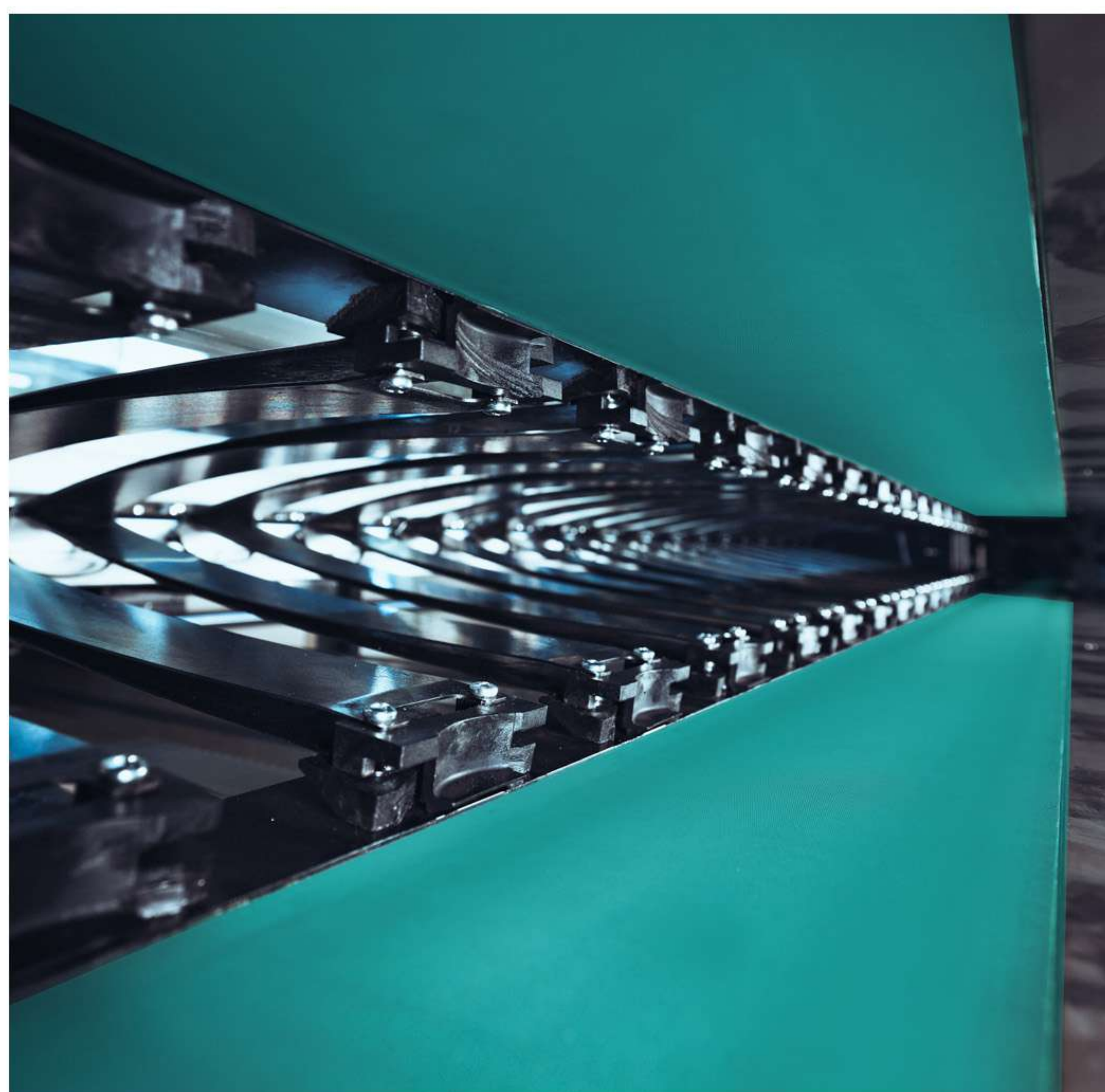
Our spring turning system makes sure that the first jaw in the assembly area is receiving a 180° turned bonnell spring, which is the standard for bonnell spring unit production.

× Spring Pusher System

Strong and sturdy spring pushers that push a row of springs into position to be assembled. The spring pusher can be easily adjusted using the provided measuring tool.



— Spring Pushers



— Heat Resistant Belt

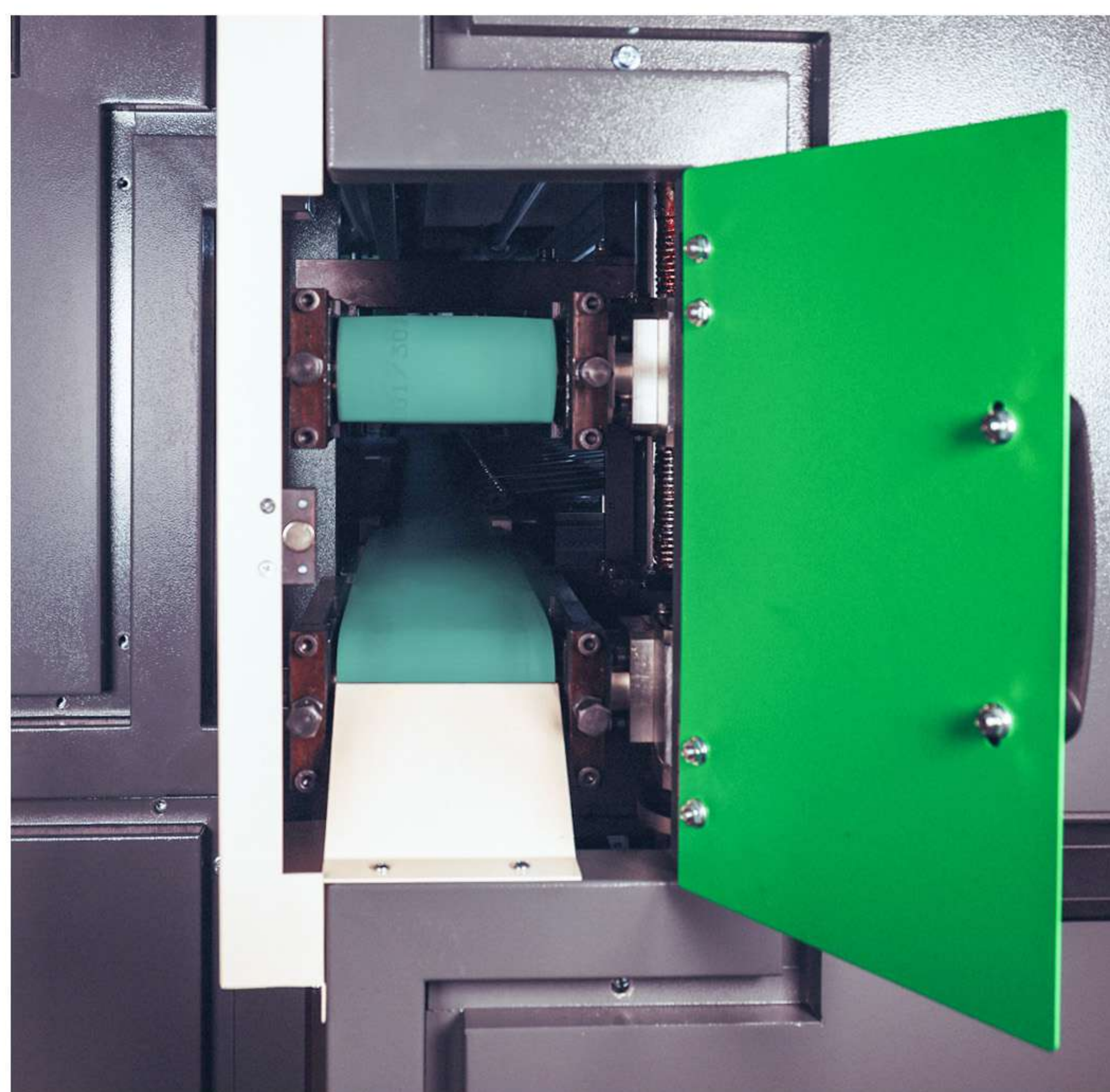
× Heat Resistant Belt

One of the most important parts of the transfer unit are the conveyor belts, they are responsible for transferring the bonnell springs produced in the coiling unit to the transfer unit, for them to be assembled, using a double-layered, heat-resistant belt that can make sure this course of action is done smoothly and efficiently, as well as the added metal rollers that help tighten the belt when they get loose.

Transfer

× Easy Back-Door Access

Two back-doors gives the operator access into the spring pusher system to make easy adjustments and changes in the easiest way to the spring unit sizes.



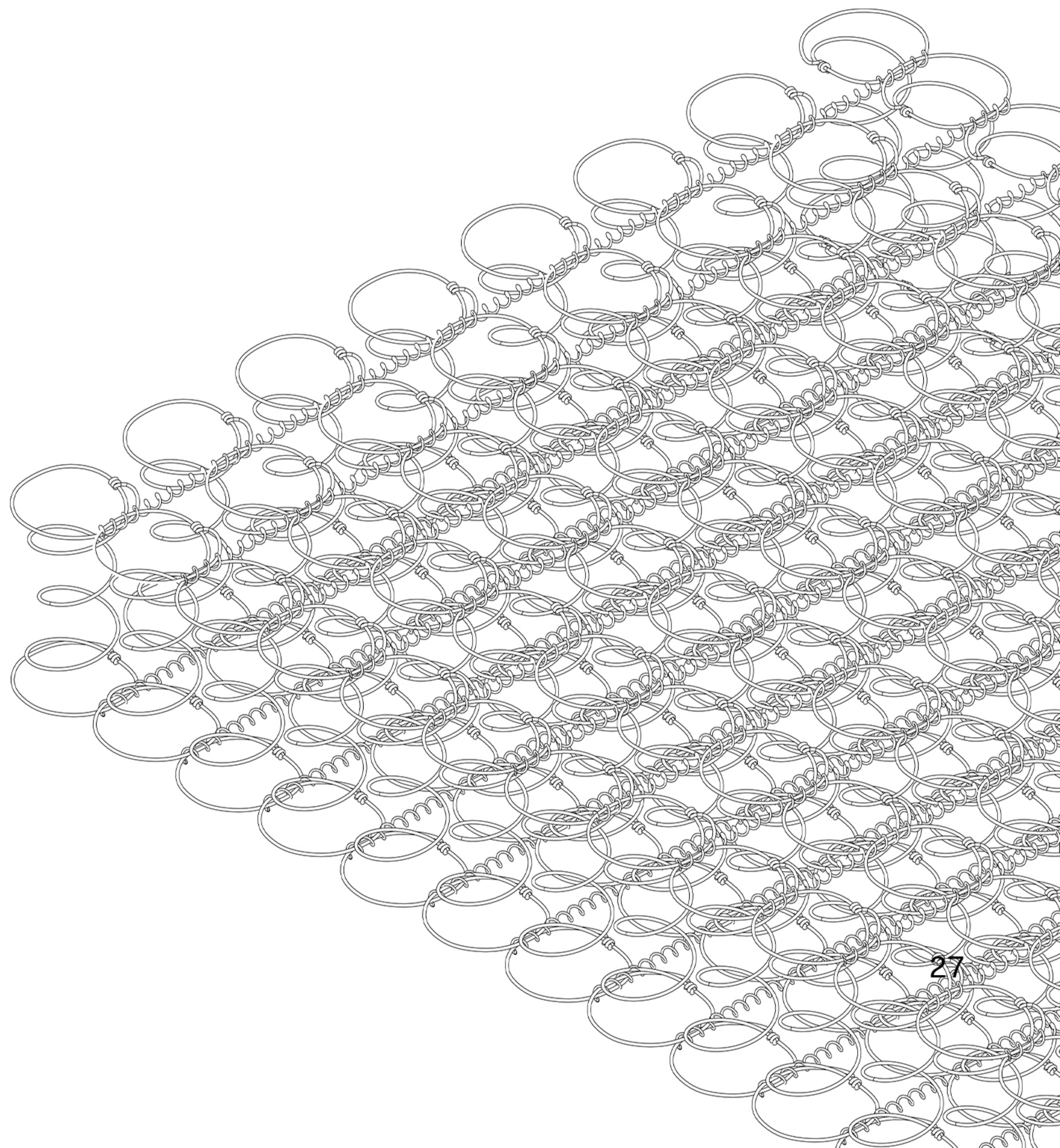
× Spring Conveyor Exit Door

Located on the end of the conveyor system of the machine, the springs conveyor removal option door acts as an exit for the defected/damaged springs that shouldn't be transferred into the jaw system, the springs go directly into a basket to be collected and then be removed.

Flexibility Like Never Before

Knowing the huge challenge during the production of different bonnell spring unit sizes, we needed to make sure that the changeover between all mattress sizes settings is done in a seamless manner. To set the desired size for your bonnell spring unit size you only need to change the positioning of the jaw systems, which only takes couple of minutes, which makes the VTC machine revolutionary in term of size changes.

The VTC machine is benchmark in spring unit size changes, sofa and mattress manufacturers are switching between sizes daily without struggling for many hours like on other machines.



× Push-Button Machine Opening System

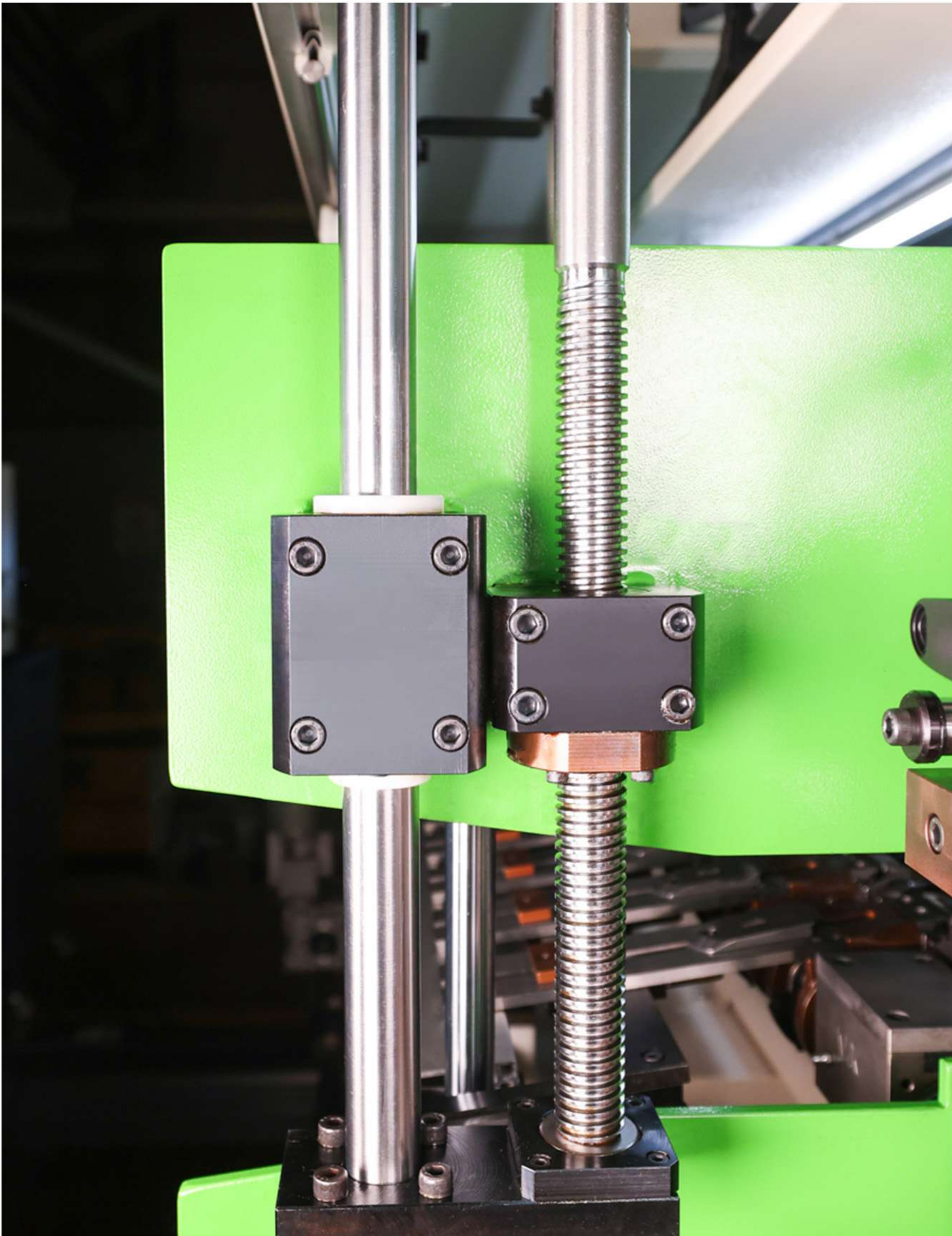
The machine opening system stands on a robust gear system that can be opened or closed using the main touchscreen of the machine. This machine design allows the best availability to make the necessary changes on the assembly part of the machine, in the unlikely event of spiral problems, the operator can quickly access this area and solve the issue on the machine, without the need to open or push the machine manually.



— Machine in Closed Position



— Machine in Opened Position



— Height Adjustment System

× State-Of-The-Art Height Adjustment System

The VTC machine offers the easiest system setting technology which can be adjusted through the touchscreen display. This feature enables the adjustment of the spring height automatically and accurately, without the need of any manual intervention.

Inspiring Technology

**Single Size to
Double Size
Change in
10 min?**

**YES! Only
Using Our
VTC Machine**

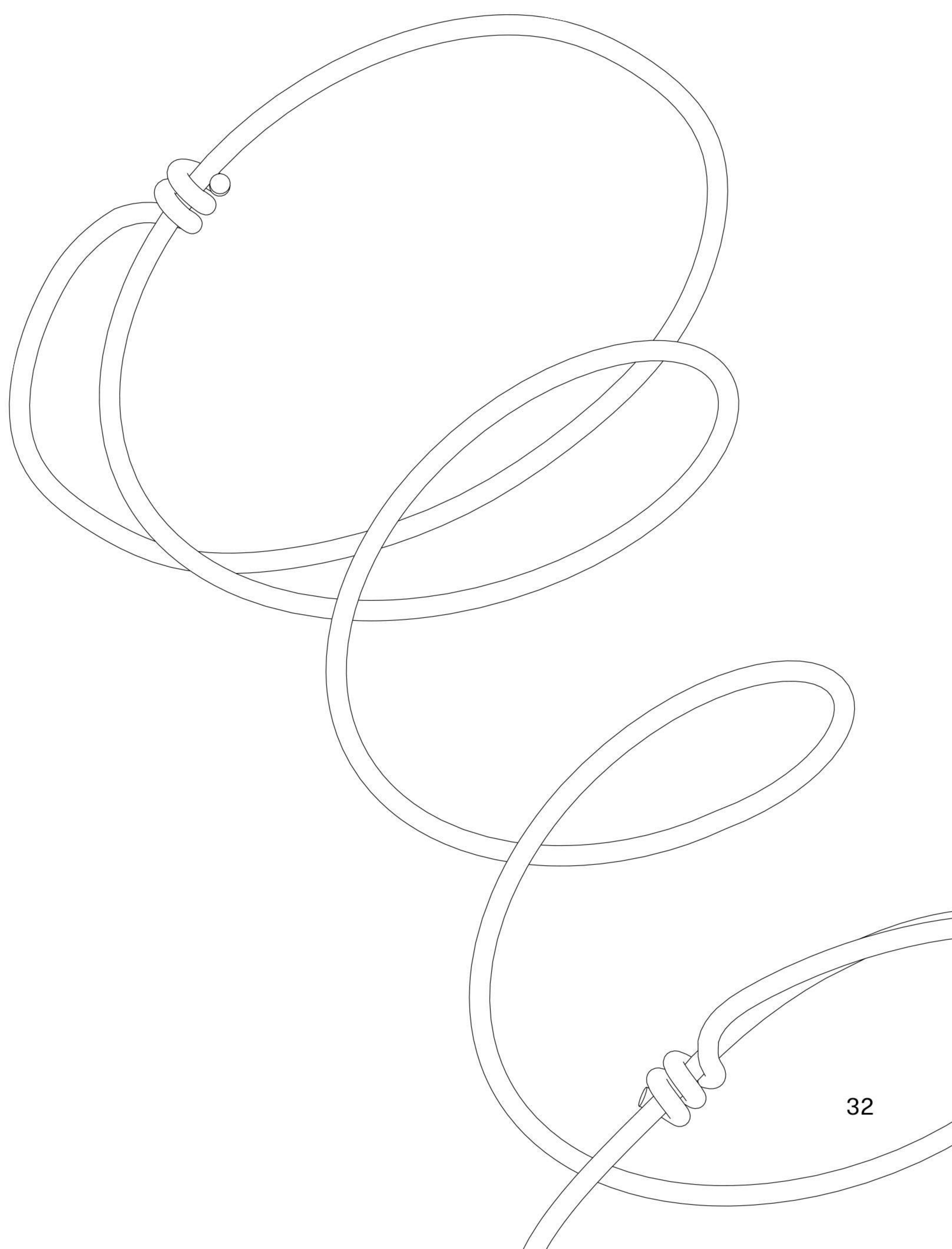
20x Long-Lasting & Sturdy Jaws

The VTC - Automatic Bonnell Transfer Machine comes equipped with a standard 18 modular and long-lasting jaws with the option of adding 7 more upon request to make the maximum total of jaws that can be added at 25 jaws.



VK

All-round Bonnell Production



× Stainless-Steel Spring Unit Exit Table

Stainless steel spring unit exit table where the fully finished spring unit lays waiting to be collected. We made sure to use a strong base and material that lasts for many years ahead.



— Stainless-Steel Spring Unit Table



— Light Safety System

× High-End Light Safety System

One of the most important safety and security system on the machine is located inside the assembly section of the VTC machine. The light safety system prevents the machine from closing if it detects any presence of an operator inside.

— Assembly

× Spiral Encoder

The spiral encoder on the VTC machine gives you a very precise and accurate spiral wire measurement.

× Assembly Slider Control Panel

Of the many control panels we have in the machine, the assembly control panel is located inside the assembly area on a sliding mechanism that allows the use in any position of the machine, whether you are on the left or the right end of the machine. The control panel can be reached from any position for making adjustments on the spring unit sizes.



— Assembly Slider Control Panel

Switch/ Measure Mode

× Changing Spring Unit Sizes <10 sec

The switch and measure mode on the VTC machine allows for an easy spring unit size change without the need to move the sensor manually, it's all done under 10 seconds using the built-in touch screen display. Its the easiest way to make spring unit size changes of any machine on the market. This feature is exclusively and only available on the VTC machine.

*Note that by using this feature the spring units will have no spiral knotting at the end of each row.

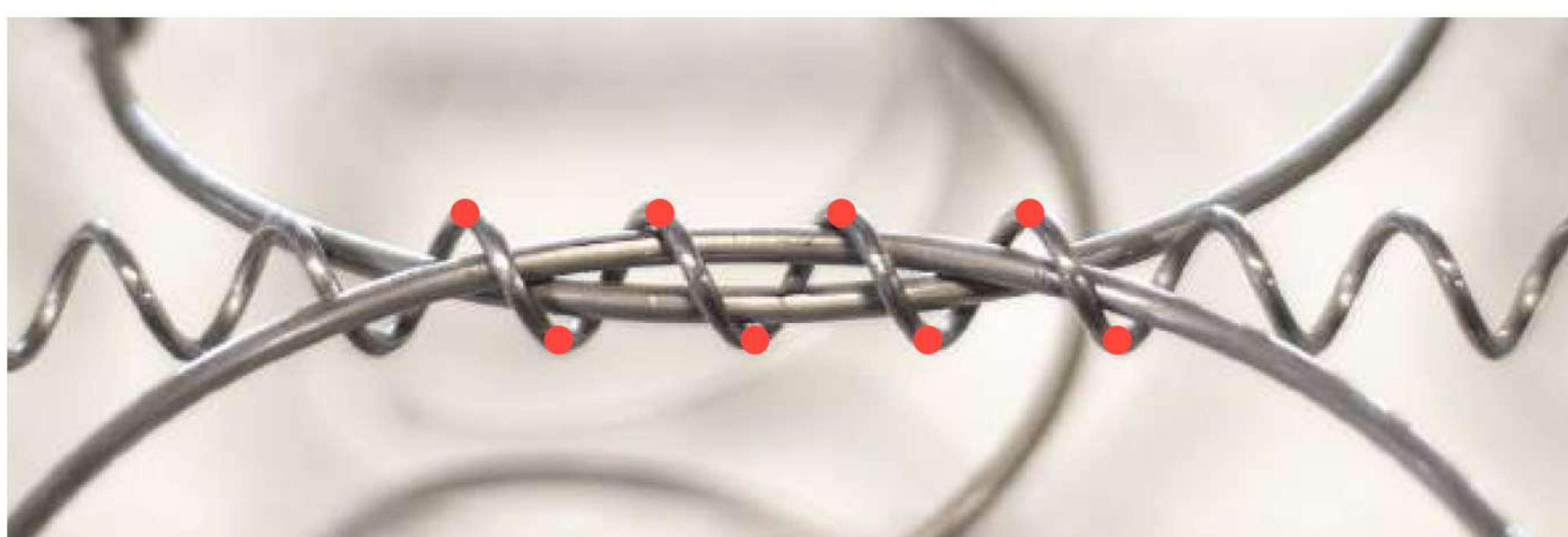
× Ingenious Spiral Knotting Options

With excellent spiral knotting options there is a possibility to change the firmness of the springs units, the options are as follows:



— 4-5 Knotting System

The 4-5 knotting of the spiral wire allows to produce spring units with maximum firmness. This system reduces the range of motion for the bonnell springs.



— 4-4 Knotting System

The 4-4 knotting of the spiral wire ensures the production of spring units with medium firmness. This system allows a small degree of motion for the bonnell springs.

The working range of this knotting system is for springs in the diameter between 80-96mm and wire diameter between 1.9-2.4mm. This option is suitable for roll-packing the spring units.

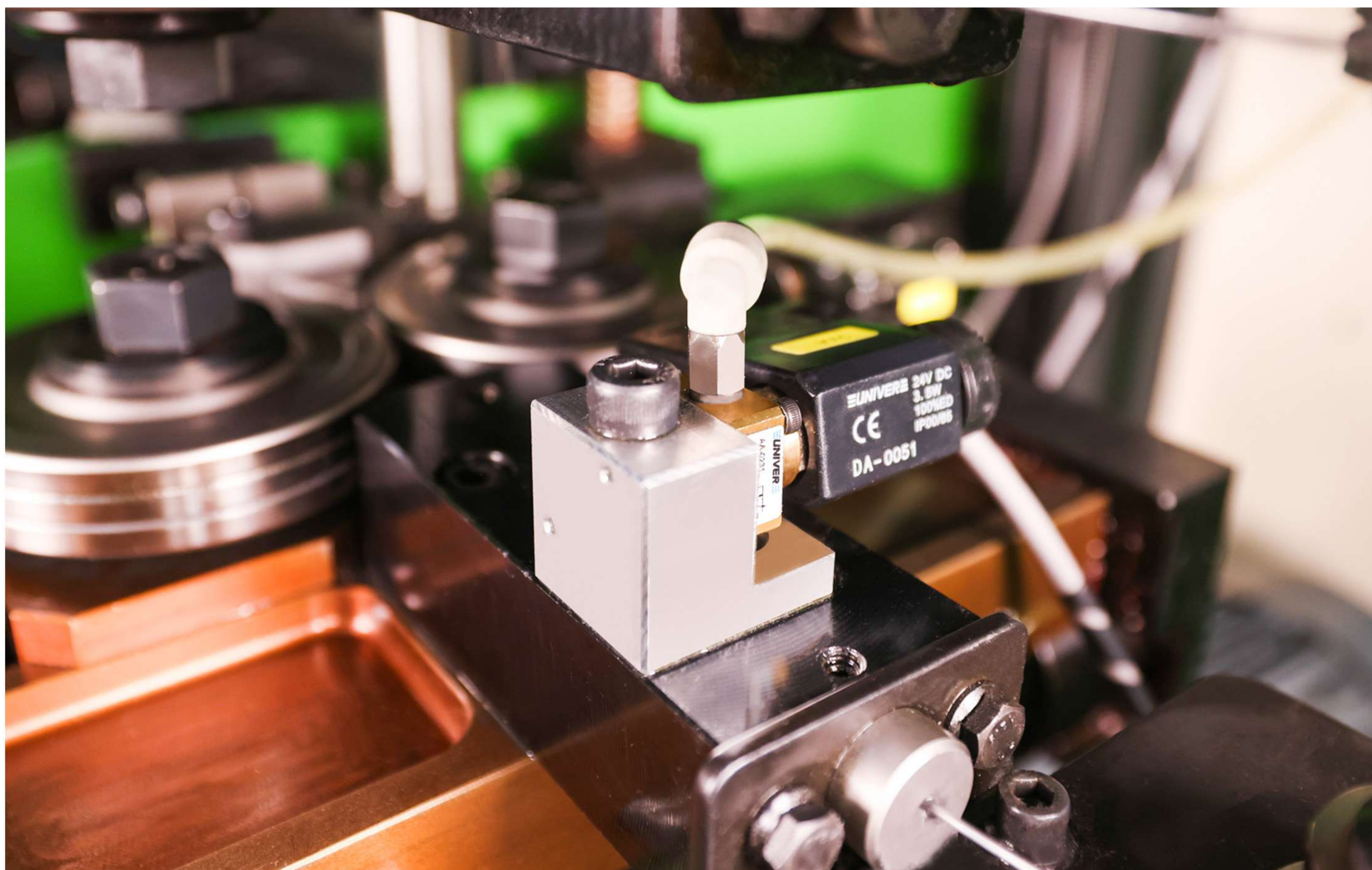


— 4-3 Knotting System

The 4-3 spiral wire knotting provides the production bonnell springs with maximum range of motion. This knotting system is designed for mini bonnell springs in the diameter 70-78mm and the wire diameter 1.9-2.2mm. This option offers the ideal solution to increase the number of springs on bonnell spring units.

× Innovative Spiral Wire Lubrication

The automatic spiral wire lubrication makes sure the wire is continuously lubricated to avoid any friction and allow a smooth motion throughout the whole bonnell spring unit assembly process.



— Spiral Wire Lubrication

× Precise Spiral Testing Tool

The spiral testing tool helps determine the pitch of the spiral wire and makes sure it's going through the jaw system and the bonnell springs fluidly.

The VTC machine works non-stop in one of the largest european mattress companies in Poland.

If you really care about efficiency, you need to examine down to the smallest detail that a machine is suitable for 24 hours operation. With a VTC machine, you can achieve this uninterrupted production and meet the demands of the industry.

Why should we evaluate only the first purchasing price of a machine that has been used for many years instead of its performance?

Aren't we going to be producing everyday, non-stop with this machine?

The VTC machine is been designed with the highest quality raw materials and components in accordance to meet the most difficult production conditions.

Are you ready to see the difference?

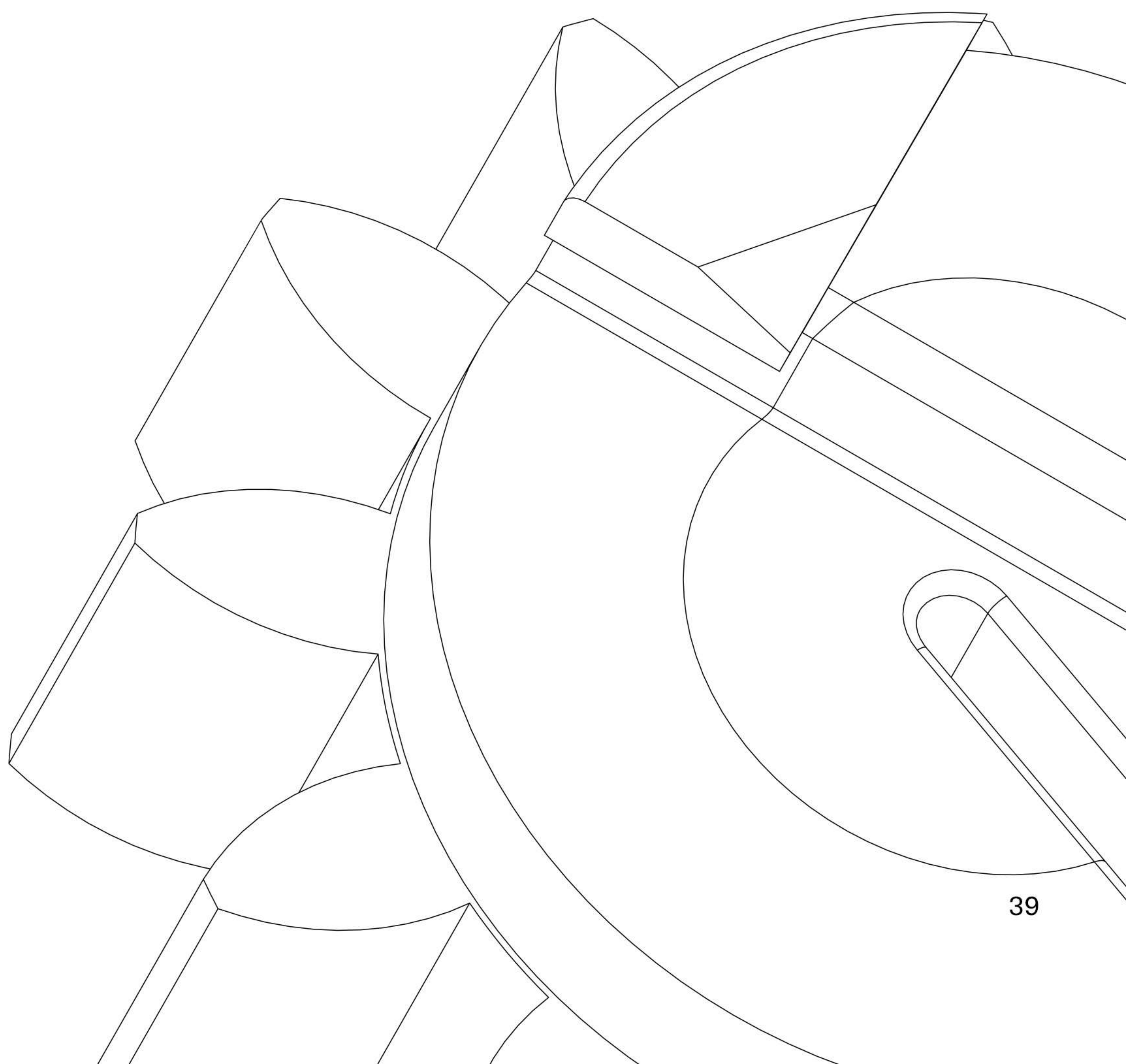
📍 **Poland**

3 O'clock, at Night



Producing All Mattress Sizes in The World

The machine is capable of producing all mattress and sofa spring units in EU, US, and UK standards in the world, thanks to the very flexible jaw system the machine offers.



+3500 More Single Size Mattresses

Doing a quick calculation of the amount of potentially produced single size mattresses in a month results a +3500** more mattresses being produced by our VTC machine in comparison to other machines on the market.

80 x 60 x 24 x 20

springs minutes hours days

= 2.304.000 springs / 184*

= 12.521 single size mattresses

The output of a 50 springs/min machine is **7826** single size mattresses

— 1 Month Output

*Number of springs in a single size mattress (90x190 cm) 8x23 springs).

**Calculation results are compared to machines with 50 springs/min speed.

624

Single Size Mattresses Per 24 hours

*Non-Stop Production

Mattress Type	Spring Unit Size (cm)	Spring Row	8h Output (Pcs.)	24h Output (Pcs.)
Single Size	90x190	8x23	208	624
Double Size	140x190	13x23	128	384
Twin Size	92x186	9x24	177	531
Full Size	130x186	12x24	133	399
Queen Size	148x198	15x26	98	294
King Size	189x198	19x26	78	234

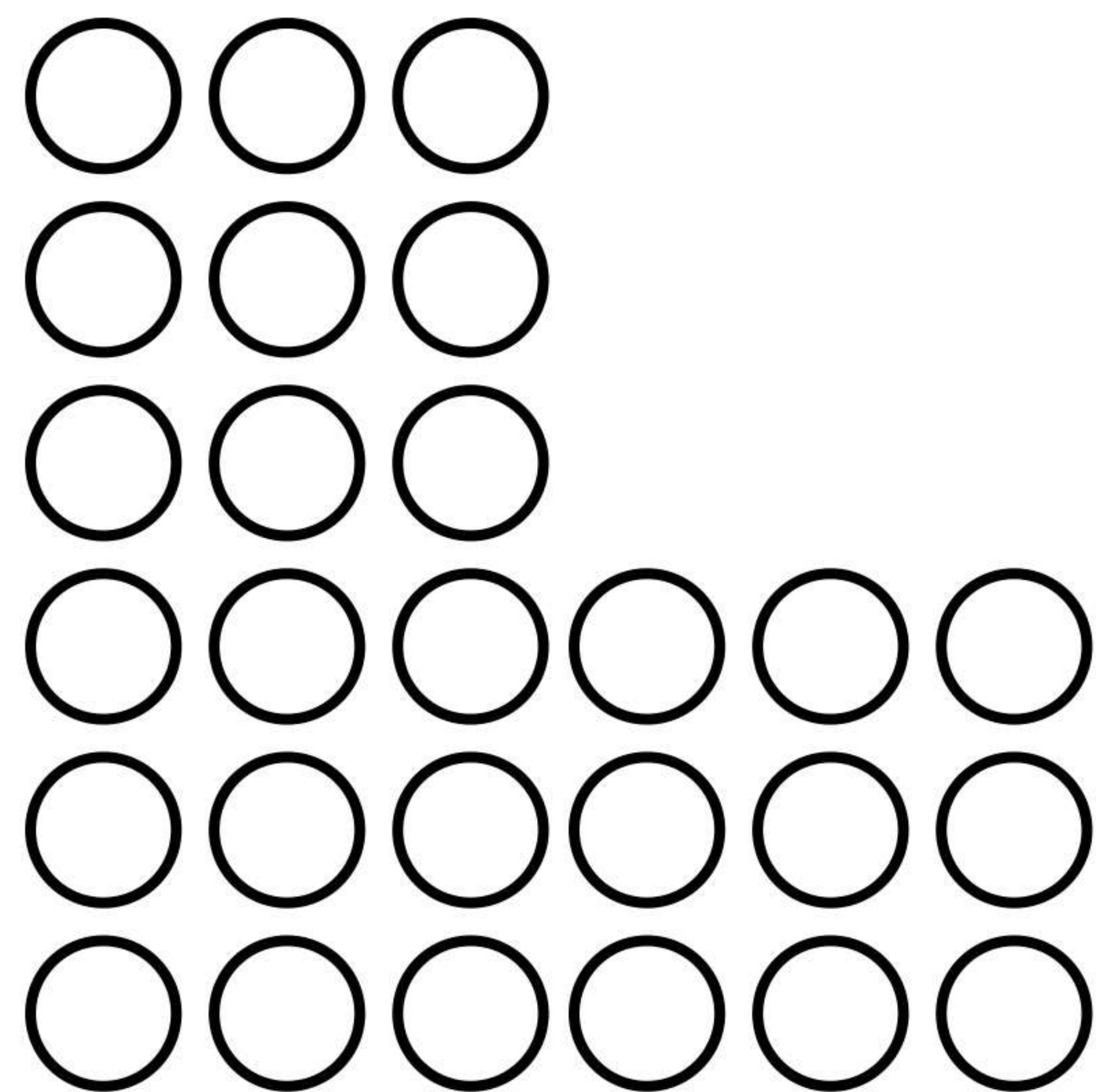
— 8h-24h Output Table

*This numbers are calculated based on non-stop production conditions.

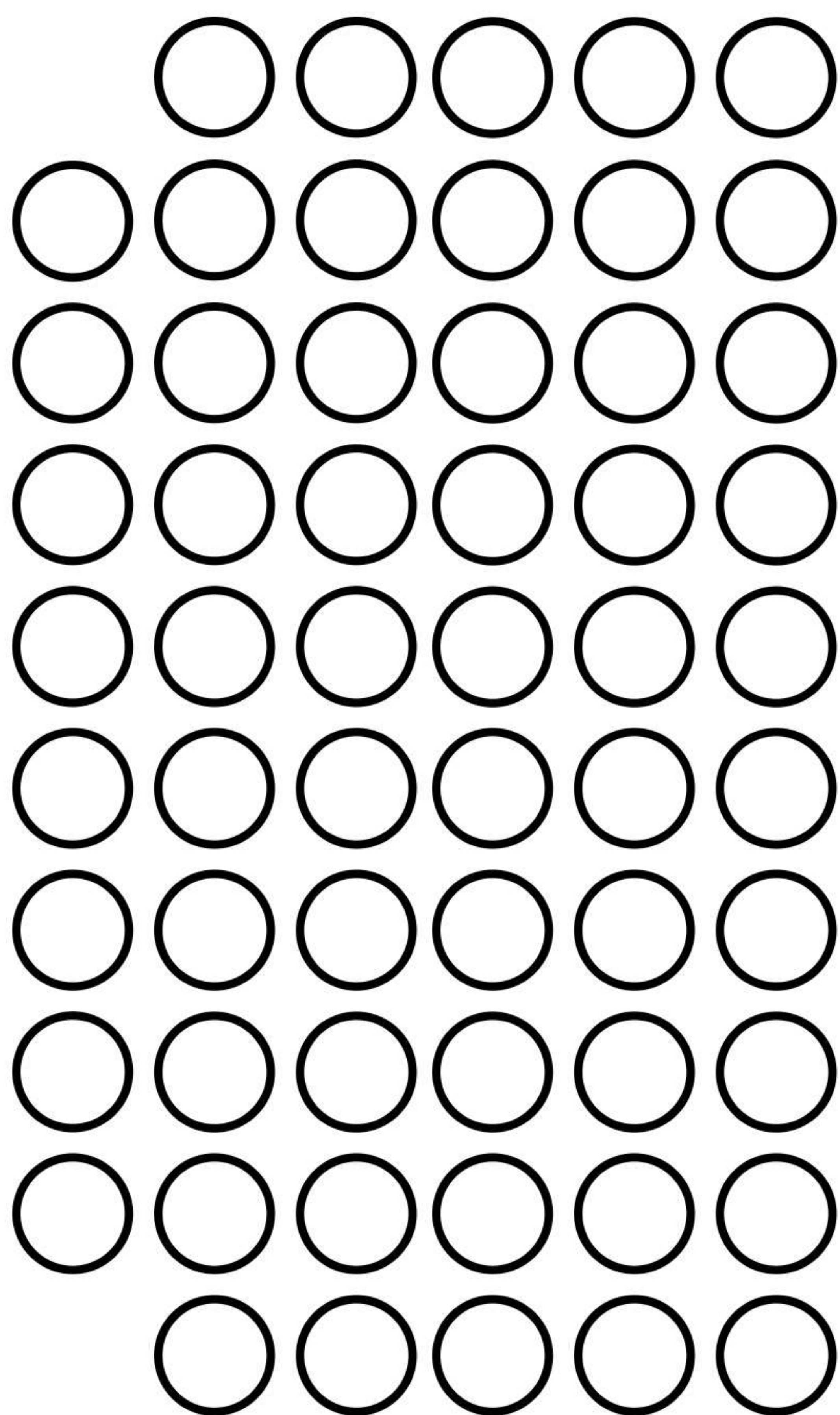
Diverse. Production

× L-Type

The optimized design for the furniture spring units on the VTC machine allows you to produce L-Type bonnell spring units that are widely used in sofa production.



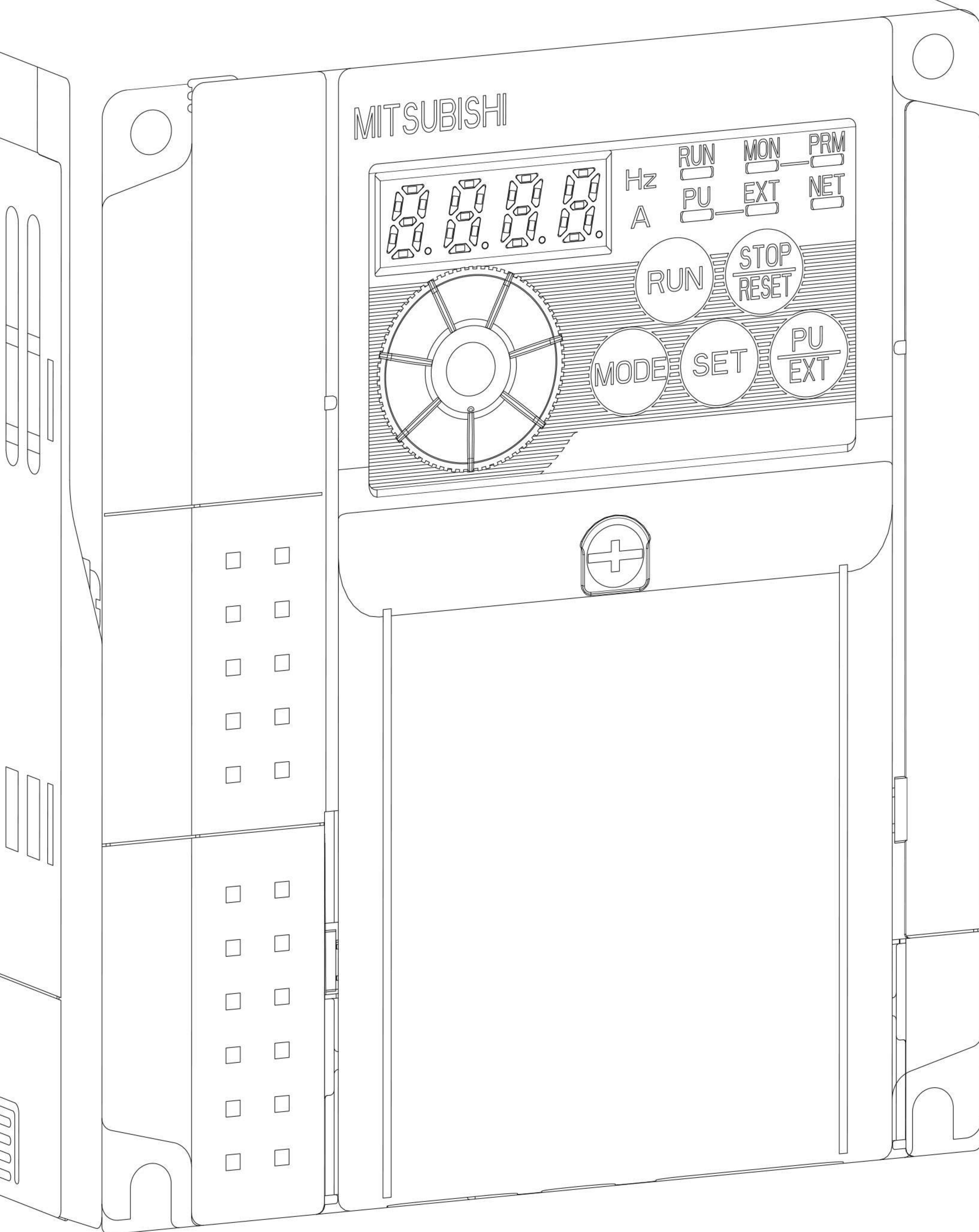
— L-Type Bonnell Spring Unit



— Corner Type Bonnell Spring Unit

× Corner Type

Our flexible production system also allows you to produce bonnell spring unit with no corners in certain positions that can be specified through our touchscreen display. This option avoids cutting springs in the corners of the spring units for the sofa production and saves a staggering quantity of raw materials.



Advanced Electronic System

Why Mitsubishi?



× Industry-Leader For High Level Electronic Components

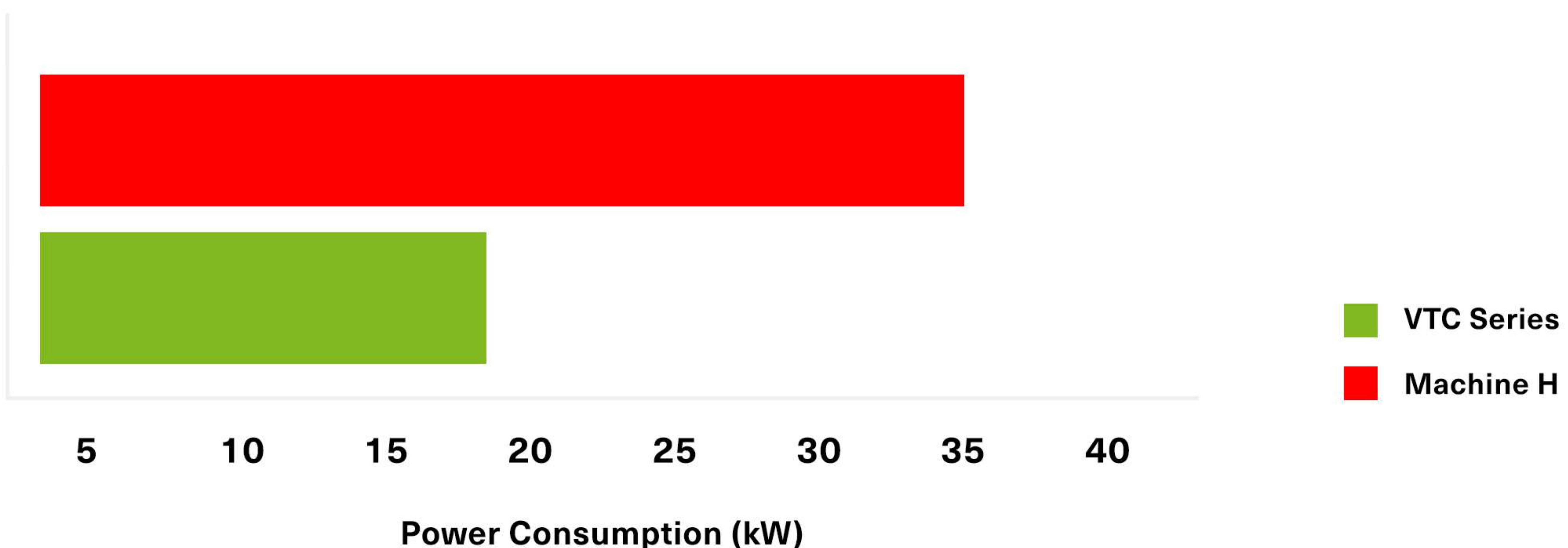
To ensure our machine has only the best of the best, we made sure our electronic parts are provided by industry-leading and eco-friendly: Mitsubishi.

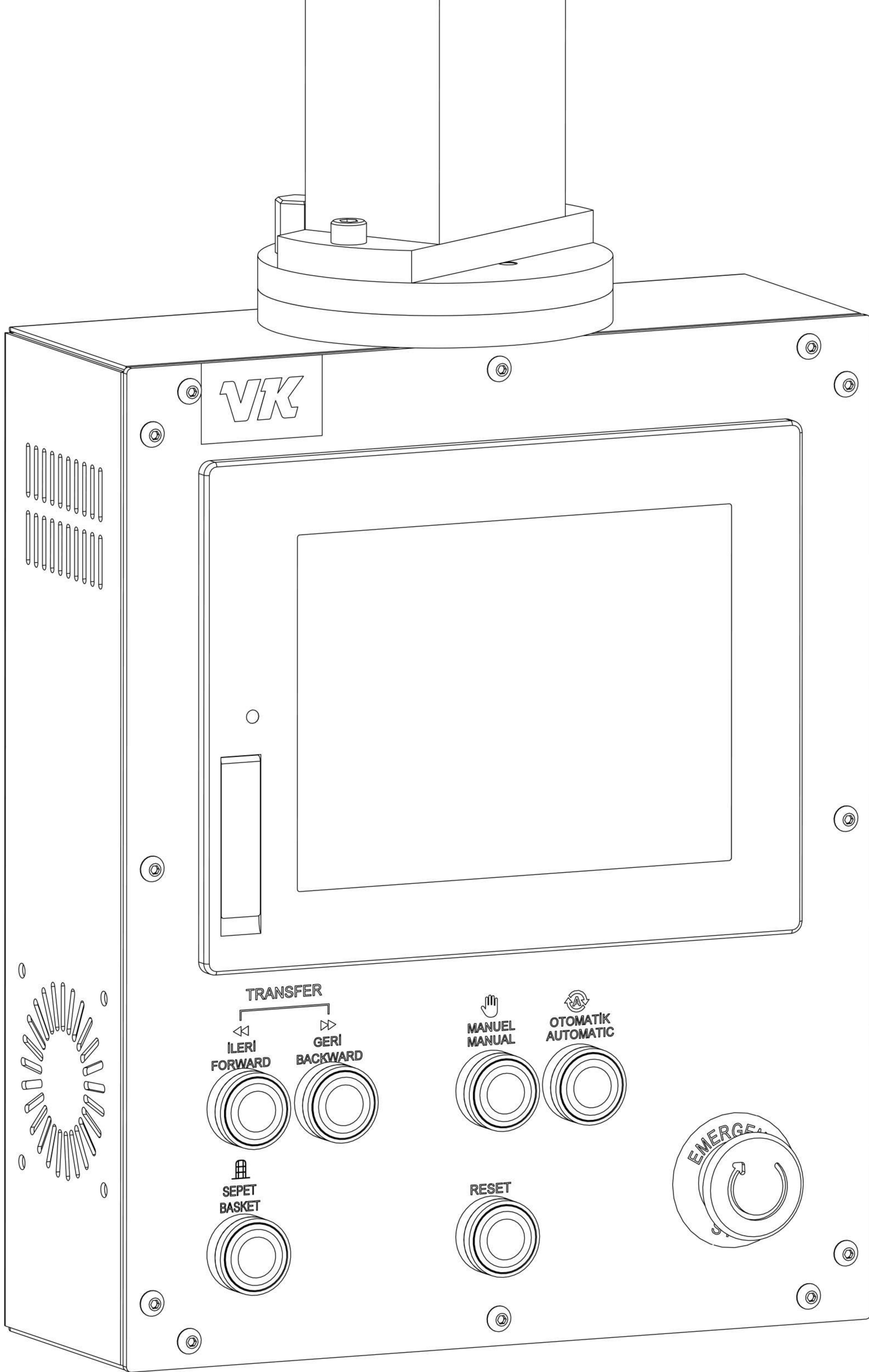
Their expertise allowed us to add great features to the electronic system of our VTC machine which offers the longest lifetime on the market with less energy consumption making our machine environmentally- friendly.

— Mitsubishi Electric

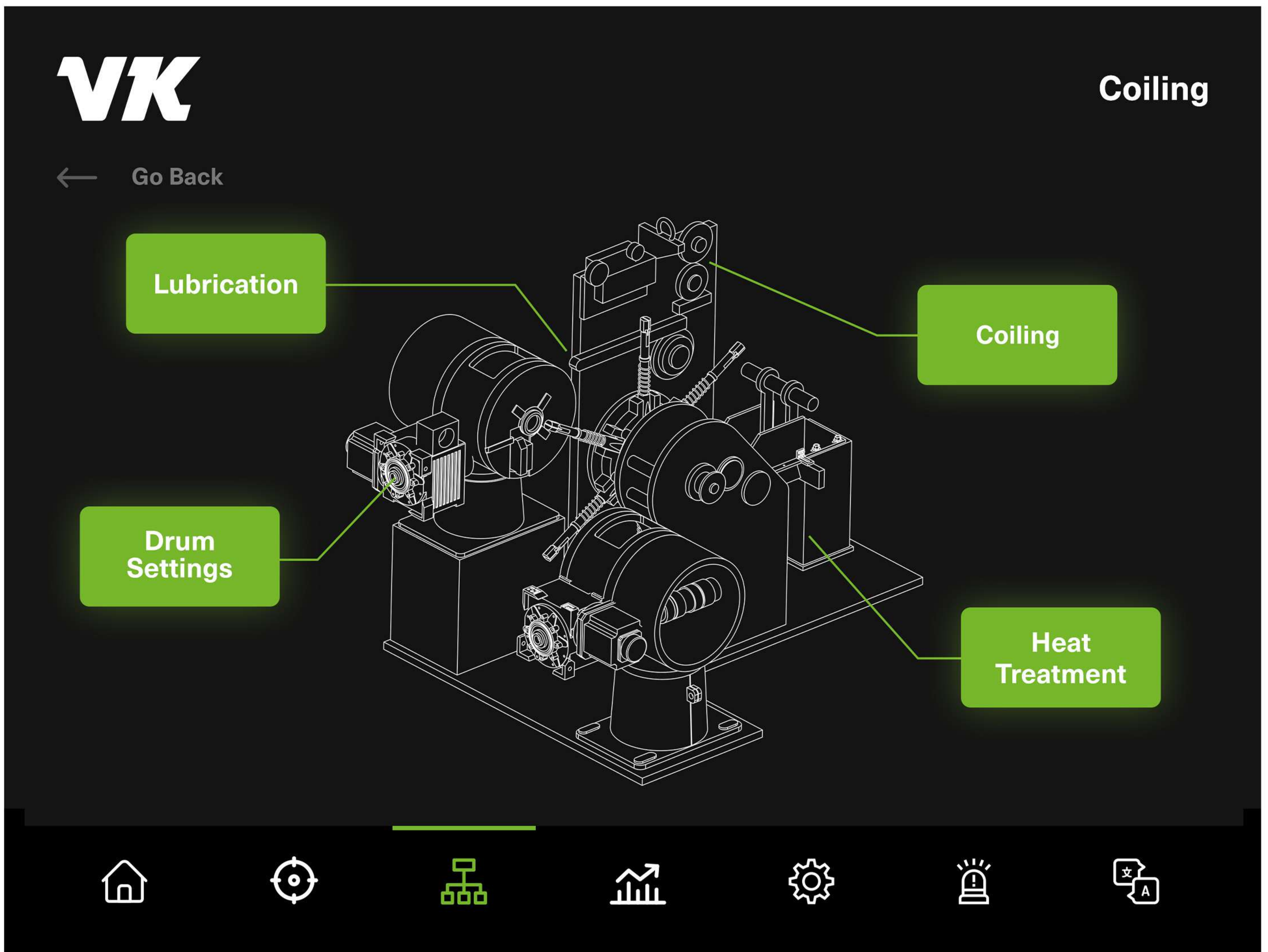
× Eco-Friendly and Energy Saving

Working with Mitsubishi allowed us to optimize our machine's electricity consumption, making it the lowest electricity consumer bonnell spring machine in the market. This results in a longer lifetime for all our electrical components, and also a significant electrical bill cost reduction. Below is a graphic showing the power consumption difference between our VTC machine and a commonly used machine.





The Software You Need



— Screenshot from our User Interface

× Remote Control System

Our remote control system grant access to error reports by our service agents, this feature allows remote controlled software updates on machines with an internet connection by our service team.

× User Experience

The goal was to make the connection between the operator and the machine as intuitive as possible, it is why the user experience of the VTC machine offers a high level of control while increasing the comfort level of usability and reducing the cognitive load.

× Efficient Automated Software

The VTC machine has an automation program that reduces the set-up time for the production of different spring unit types, the number of the needed spring units can be easily set on the touchscreen display and the machine changes the size without the need of any human intervention, this automation program increases the productivity for the mattress and spring unit producers. This feature disables the spiral bending on the end of one side of the spring unit.

Ultra Bright Display



The machine comes with a 8,4 inch super bright and accurate touchscreen with multi-touch gesture functions, that has a LED backlight, SVGA port and a 800x600 screen resolution. The touchscreen display allows you to control everything on the machine from one place thanks to its flexible holding and moving mechanism, the touchscreen can be moved in any direction of the machine with different degrees and angles.

The touchscreen allows you to change your production sizes, increase/decrease machine speed or track your production numbers, you can do it all. The software is also offered in many different languages, such as English, Spanish, Romanian, Polish, and more language are added frequently.

On The Path to Industry 4.0

× Scada System *(Coming Soon)*

The VTC machine comes with a supervisory control and data acquisition (SCADA) system that allows companies using our machines to control their production process locally or remotely monitor, gather and process real time data, which results in a better production optimization. This makes it possible to send orders to the machine remotely, track machine production numbers and performance, as well as machine stops to know exactly when and the cause of the sudden production stop.



— Optional

× Cam Unit

The machine comes with a standard 5 turns cam unit that can be changed to 4 or 6 turns depending on your desired bonnell spring height. The cam unit have to be replaced together with two gears in case of any requested change.

× Span Centering Base

The span centering bases are placed at both of the knotting positions on the machine. The different options of span centring base sets allows the production of bonnell spring with different spring outside diameter. The working range for each set is limited to 3mm.

× Wire Measuring System

The VTC machine offers optionally a high precision german wire diameter measuring tool to ensure that the machine is getting fed continuously with a stable wire thickness.

× Optional Spare-Parts Kit

Additional spare-parts kit can be added with the machine upon buyer's request to prevent any breakdown on the machine caused by damaged spare parts.

× Transformer

The total voltage required for the VTC 100 machine needs to be stable to have good working conditions, it's why we are offering an electrical transformer as an option upon purchaser's request.

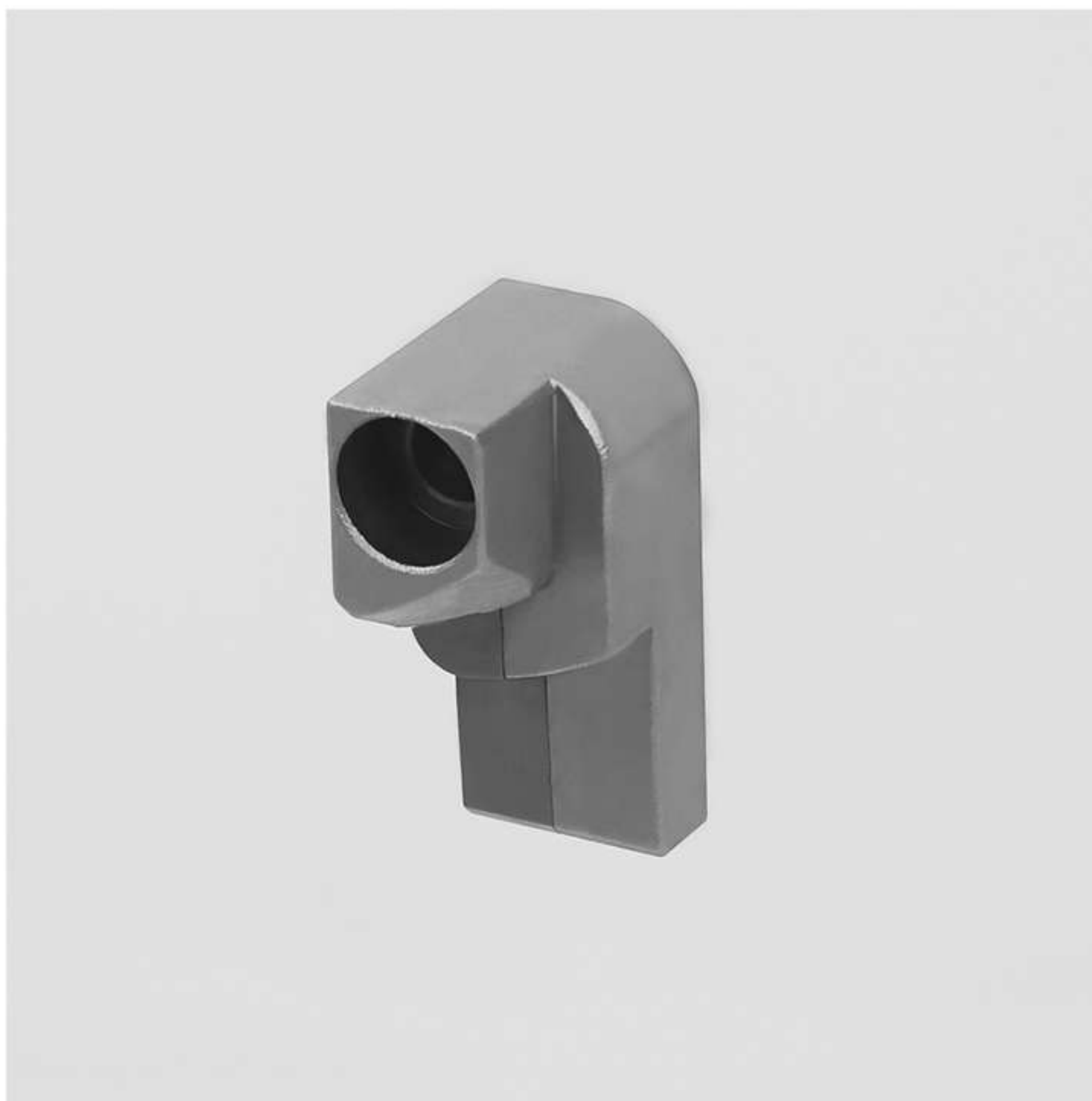
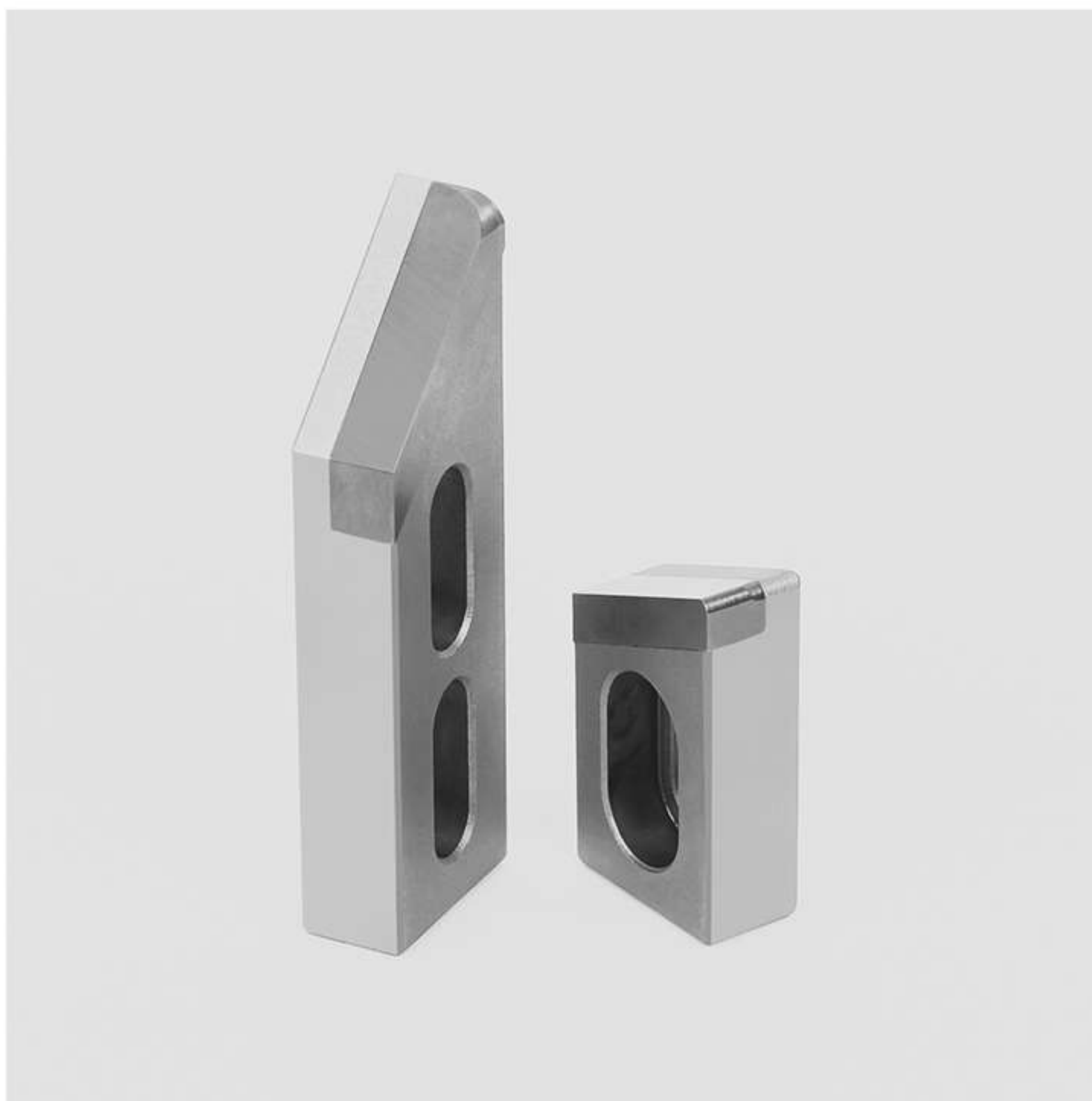
× Additional Jaws

Additional jaws can be installed on the machine to raise the number of the spring on the spring units. The maximum jaw capacity is 25 pieces on the VTC machine. The standard equipment of the machine includes 18 jaws.

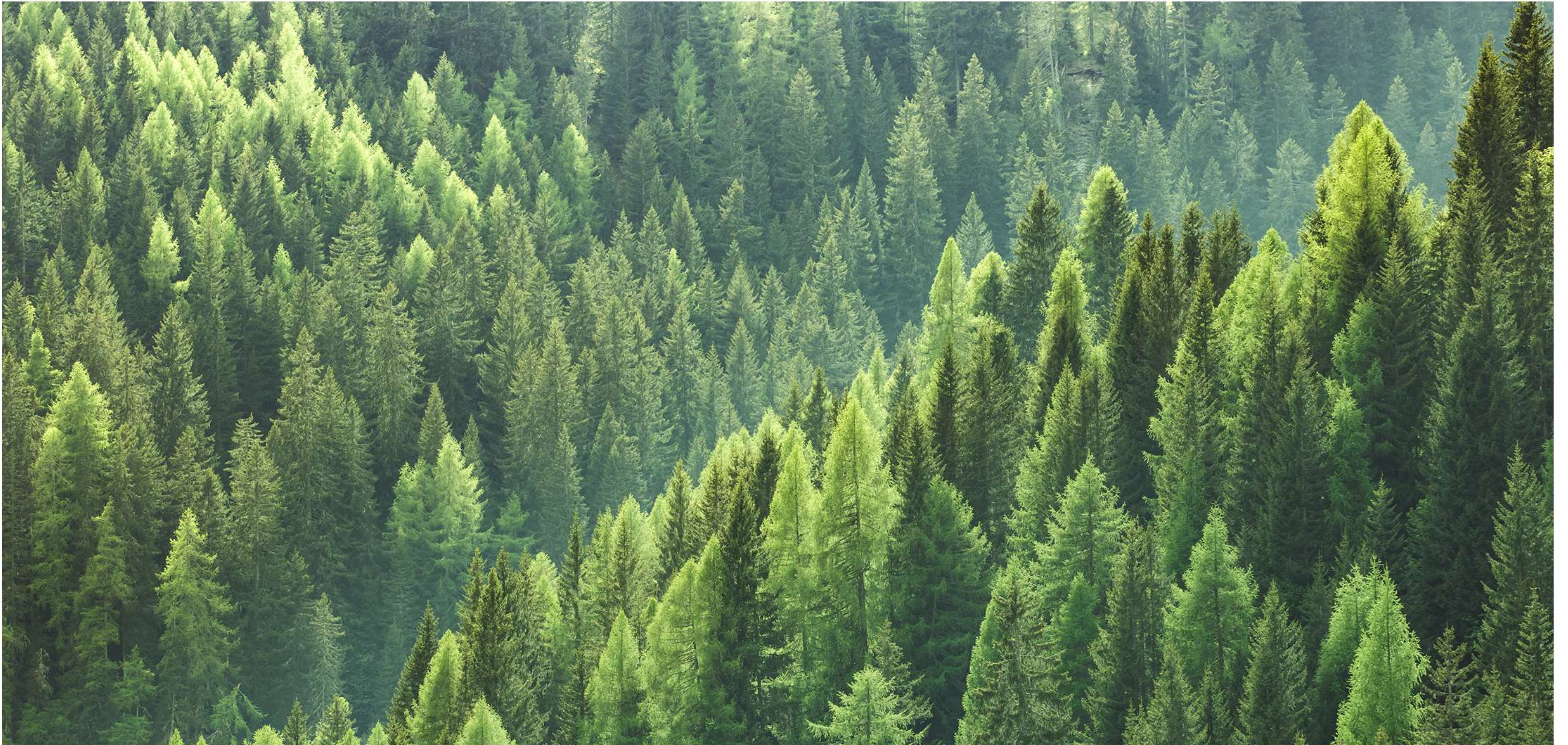
× Powerful Filtering System

German quality filtering system can be added to the machine to help collect oil mist and metal dust. This system help to achieve better working environments, reduced environmental impact and improved production efficiency.

Long-Lasting Spare Parts



Green is More Than a Colour

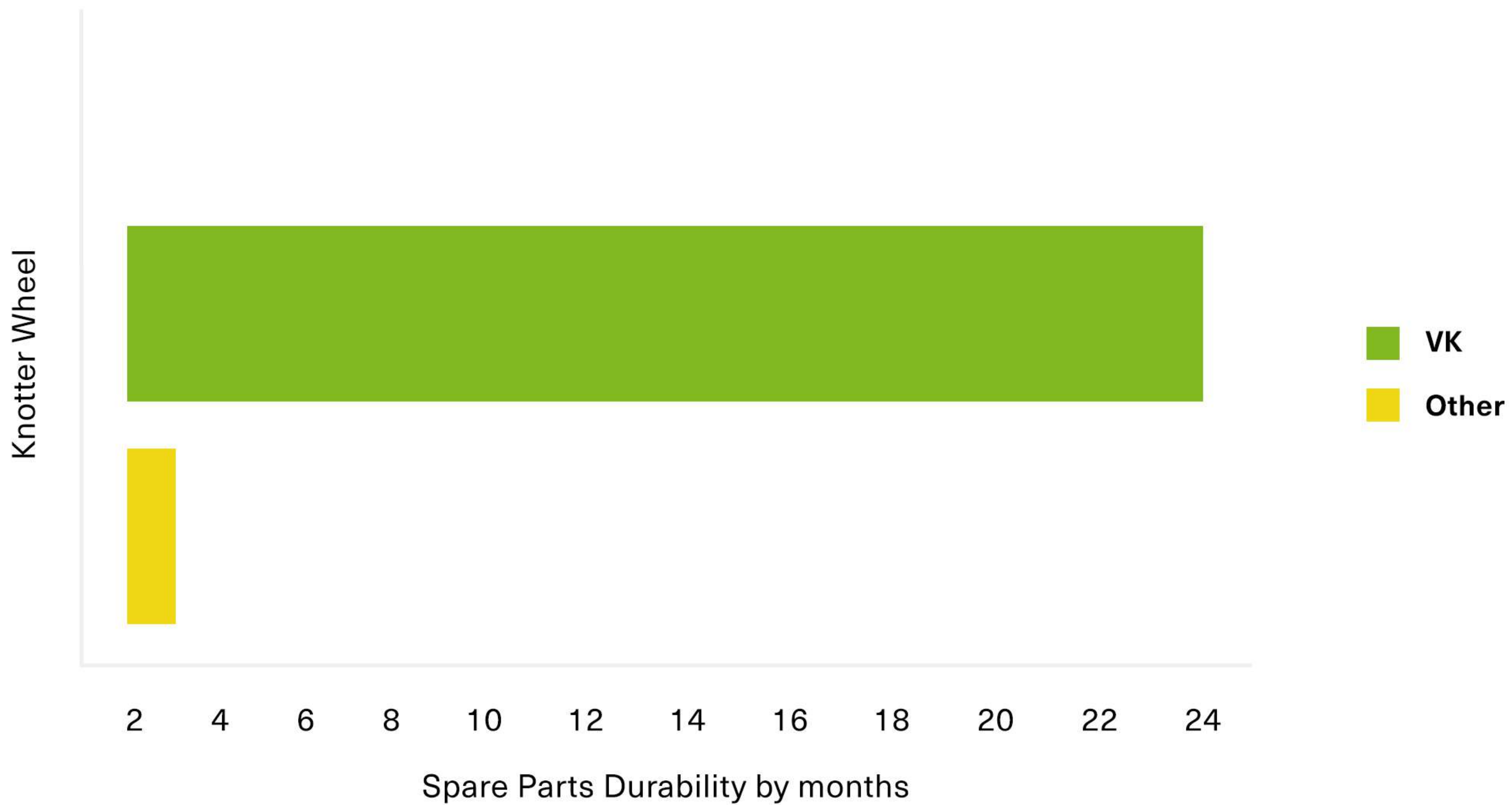


In order to emphasize our ambitions for a sustainable future for our world, VK Mattress Machinery aims to limit the global resources by using the highest quality and certified raw materials from trusted European supplier. Especially the electronic system of our machine is ensuring an eco-friendly performance and is designed to save energy. The general rule at VK Mattress Machinery is: To seek constant developments on each of our thousands of parts, which have been used on our machines to ensure the highest lifetime.

Our corporate philosophy is running a sustainable machine production process, that applies to not only our production but to all our activities, while also responsibility for all our raw materials used in our machines. At VK Mattress Machinery, sustainability and technology are in union. We've achieved a lot in the past years and adopted the slogan "**Green is more than a colour**" which doesn't only reflect the machine design being green, but also the fact that we thrive use high-quality, durable, and recyclable materials for a greener world.

We continue the dialogue with customers, employees, and business partners in order to develop our strategy on this basis. With our sustainability mission, we provide all our clients the warranty that our solutions have the highest lifetime in the mattress machinery business.

Cost Effective & Durable Spare Parts



— Knotter Wheel Durability Graph

The graph above is showing the durability period of our knotter wheel, made in-house, compared to a common used knotter wheel on the market, while the later requires to be changed every two months, our strong and heavy-duty knotter wheel will last you at least 24 months, if not more. Same longevity is applicable to most of our spare parts.

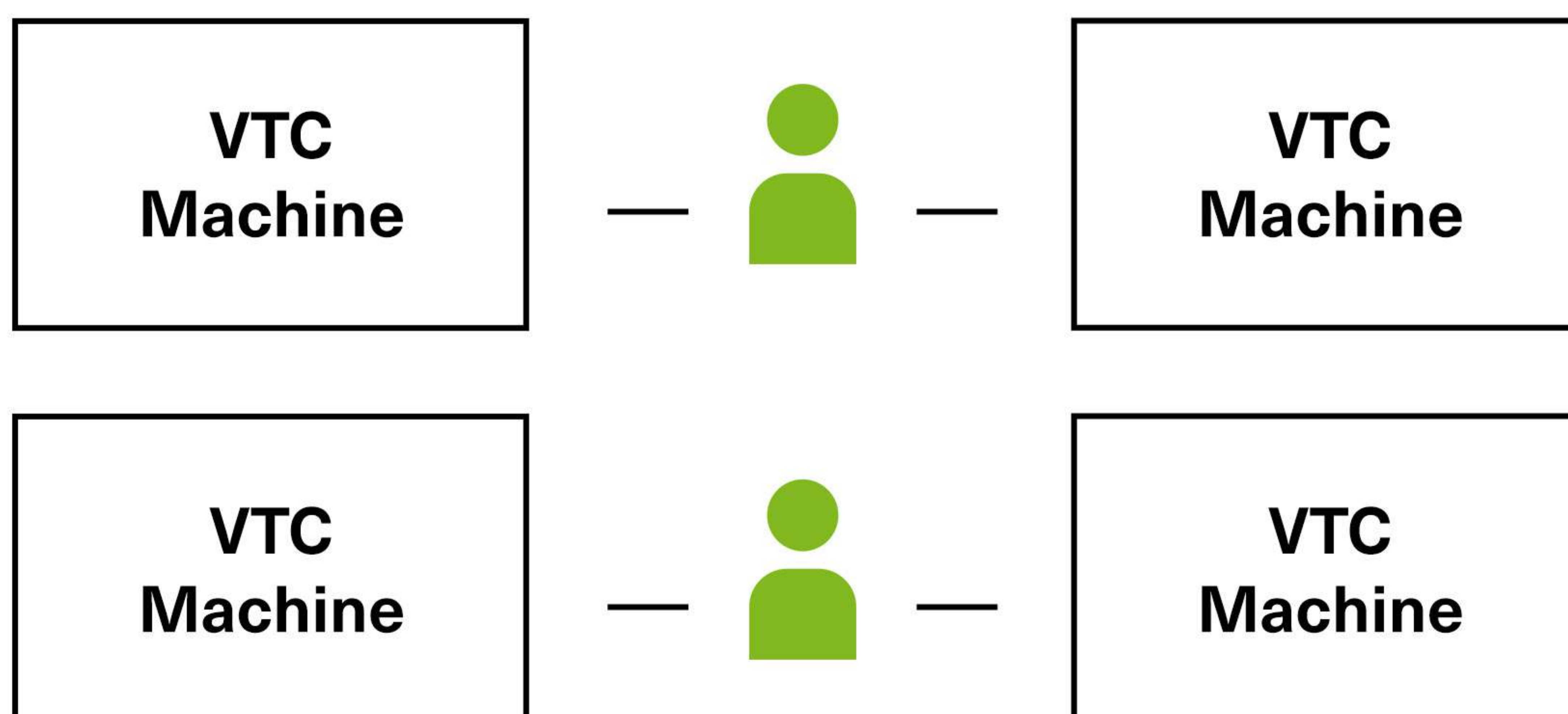
~~12 Operators~~ 2 Operators

Often called the Fourth Industrial Revolution, Industry 4.0 technologies enable businesses to create smart factories that are more efficient, productive, flexible and responsive to the customers. Our Automatic Bonnell Transfer Machine - VTC machine plays a huge role in reducing manufacturing as well as labour cost in the mattress and furniture industry.

× Automatic Production

**Using only the VTC machine (Automatic Bonnell Transfer Machine)*

- 128.000 springs - 8 hours - 2 operator.



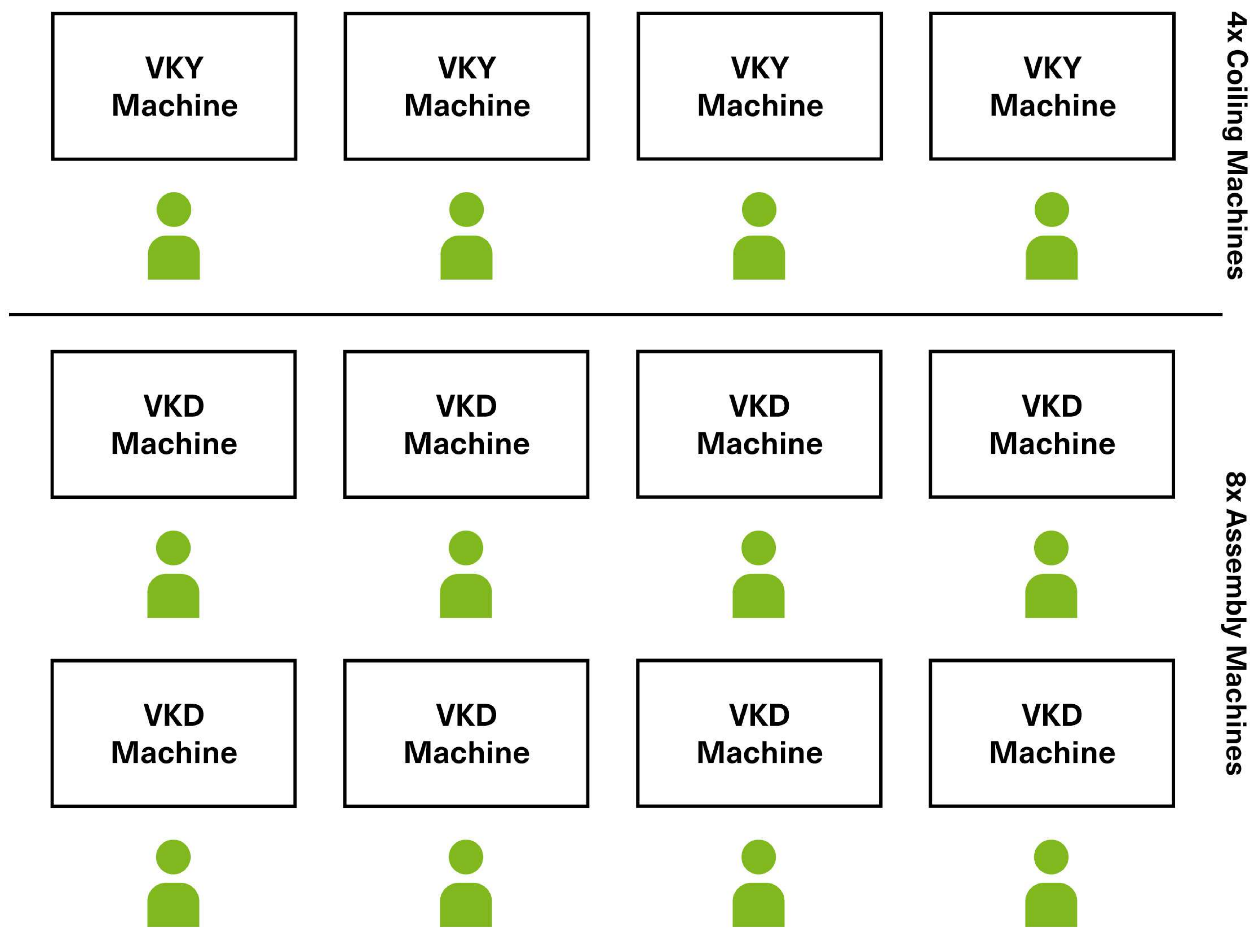
To produce 128.000 bonnell springs in 8 hours, you will need 12 operators for 8 Bonnell Assembly Machine and 4 Bonnell Coiling Machines. Whilst if you are using an automatic production with our VTC machine, the needed machines number drops down to only 2 operators with 4 machines.

Not to mention that the manpower needed to operate these machines varies significantly, as shown in the illustration above, only 2 operators are needed to operate the 4 VTC machines, while if you are looking for a more traditional production, you will need around 12 operators and completely be dependant on their skills and speed. The VTC machine offers companies the ability to be more competitive in the mattress market.

× Traditional Production

**Using both the VKY machine (Automatic Bonnell Coiling Machine) & the VKD machine (Automatic Bonnell Assembly Machine)*

- 128.000 springs - 8 hours - 12 operators.



As the illustration showcases, to produce 128.000 bonnell springs using a conventional method you will need 12 operators, 4 of those operators will need to handle the 4 coiling machines, while 8 operators will need to make sure that the 8 assembly machines are increasing productivity. In conclusion, the VTC machine not only saves you time, material waste, but helps you produce in a much higher efficiency while saving on labor cost which has a direct influence on the manufacturing cost of your bonnell spring production.

Finest Quality

× Components & Raw Materials

Although we have been producing all own mechanical parts in our factory since 1968, we do have other partners that we work with in order to provide our customers with the best quality possible, and make an even better machine for the mattress and furniture industry.



Japan



Germany



Italy



Germany



Germany



Italy



Denmark



Italy



Austria



Germany



Germany



Germany



Italy



Germany



Austria

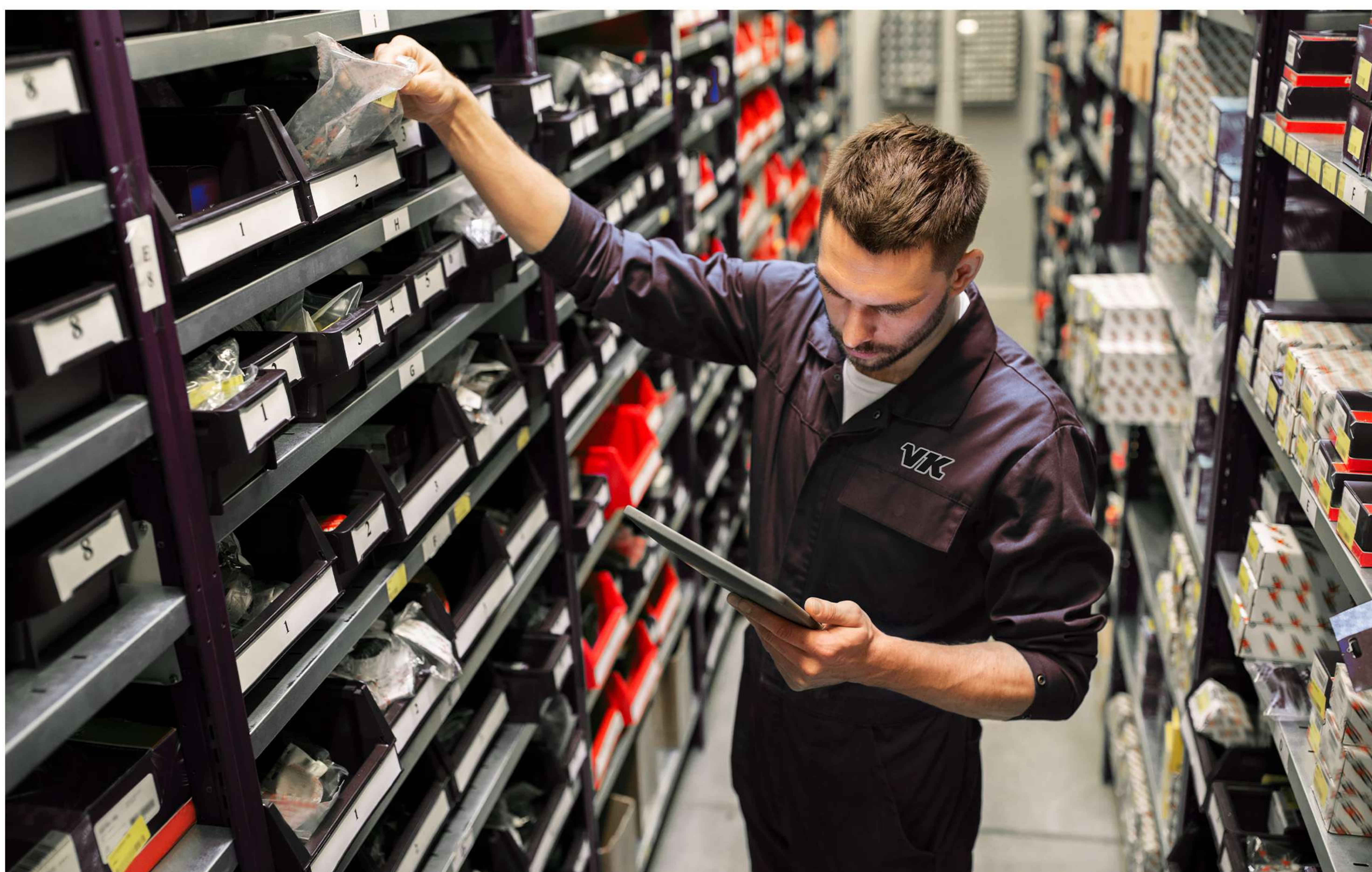
— Technical Specifications



Spring Type	Bonnell
Performance	80 springs/min.
Production Capacity	38.400 springs/8 hours Approx. 210 Spring Units for Single Size Mattress/8 hours (90x190cm, 8x23 springs) Approx. 130 Spring Units for Double Size Mattress/8 hours (140x190cm, 13x23 springs)
Spring Outside Diameter	70 mm - 96 mm Standard Ø 80-92 mm, Max. 18 Jaws, 1.9-2.4 mm Optional Ø 80-96 mm, Max. 18 Jaws, 1.9-2.4 mm Ø 70-78 mm, Max. 23 Jaws, 1.9-2.2 mm Ø 70-75 mm, Max. 25 Jaws, 1.9-2.2 mm
Spring Center Diameter	40 mm - 55 mm
Spring Height Diameter	75 mm - 180 mm Standard 120 mm - 140 mm (5 turns) Optional 75 mm - 120 mm (4 turns) 140 mm - 160 mm (6 turns)
Spring Wire Diameter	1.9 mm - 2.4 mm
Spiral Wire Diameter	1.3 mm - 1.4 mm
Working Width	2000 mm
Power Consumption	approx. 18 kW
Power Requirements	Three Phase 380V Frequency: 50-60 Hz, Input Fuse: 63 A Cable: 4 x 10mm ²
Working Temperature	0° C - 40° C
Weight	approx. 4.800 kg
Wire Basket Capacity	1.000 kg
Spiral Wire Basket Capacity	2 x 850 kg
Control System	Mitsubishi Motion Control System

× Service & Spare Parts

VK Mattress Machinery's highest priority after every machine sale is to make sure we provide our customers the best after-sale experience, whether it's machine installation, training for the company's operators or spare parts, when it comes to the latter, we make sure we possess an extensive inventory that can serve our clients around the world as a supply for any replacement part needed for the VTC machine. On top of that we gladly offer convenient and express delivery options to reduce the down time of any machine.

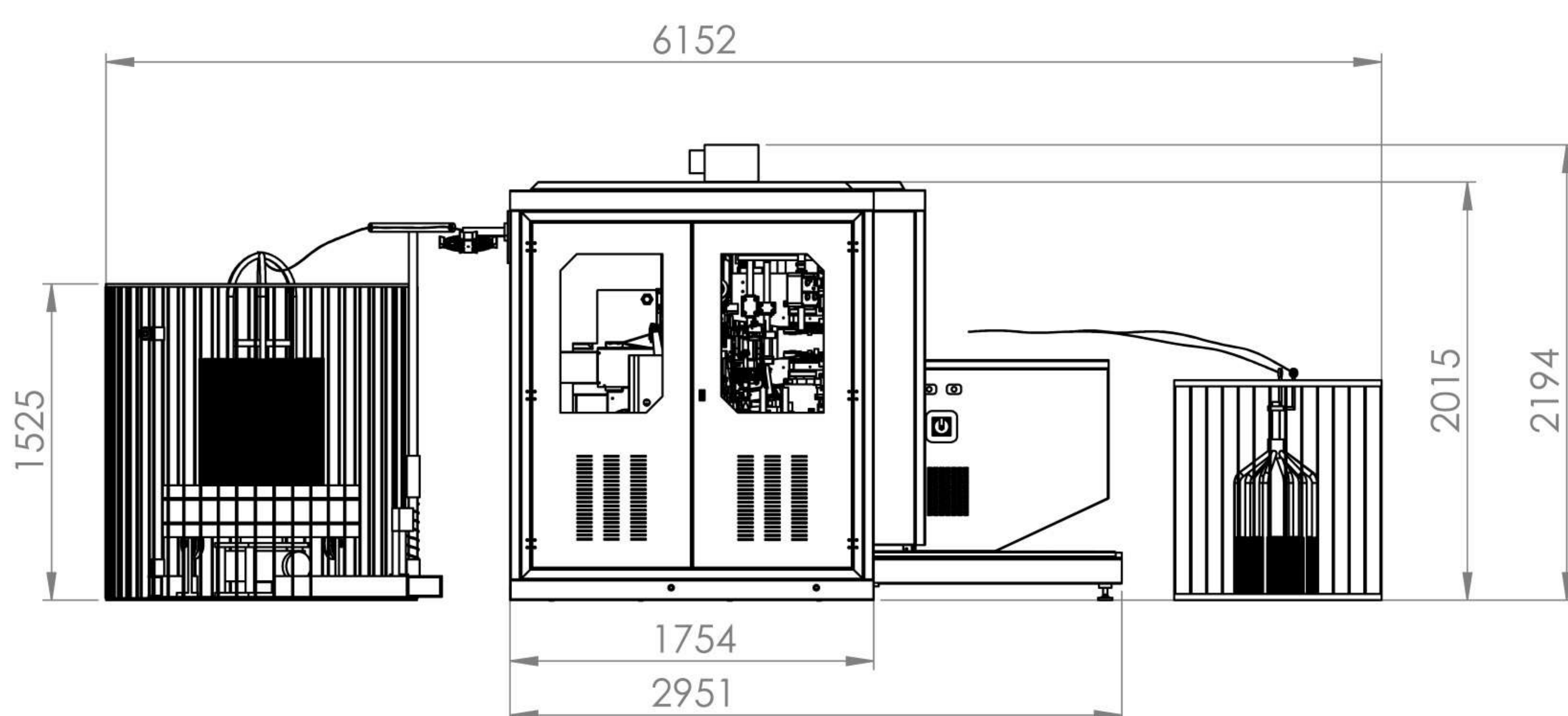
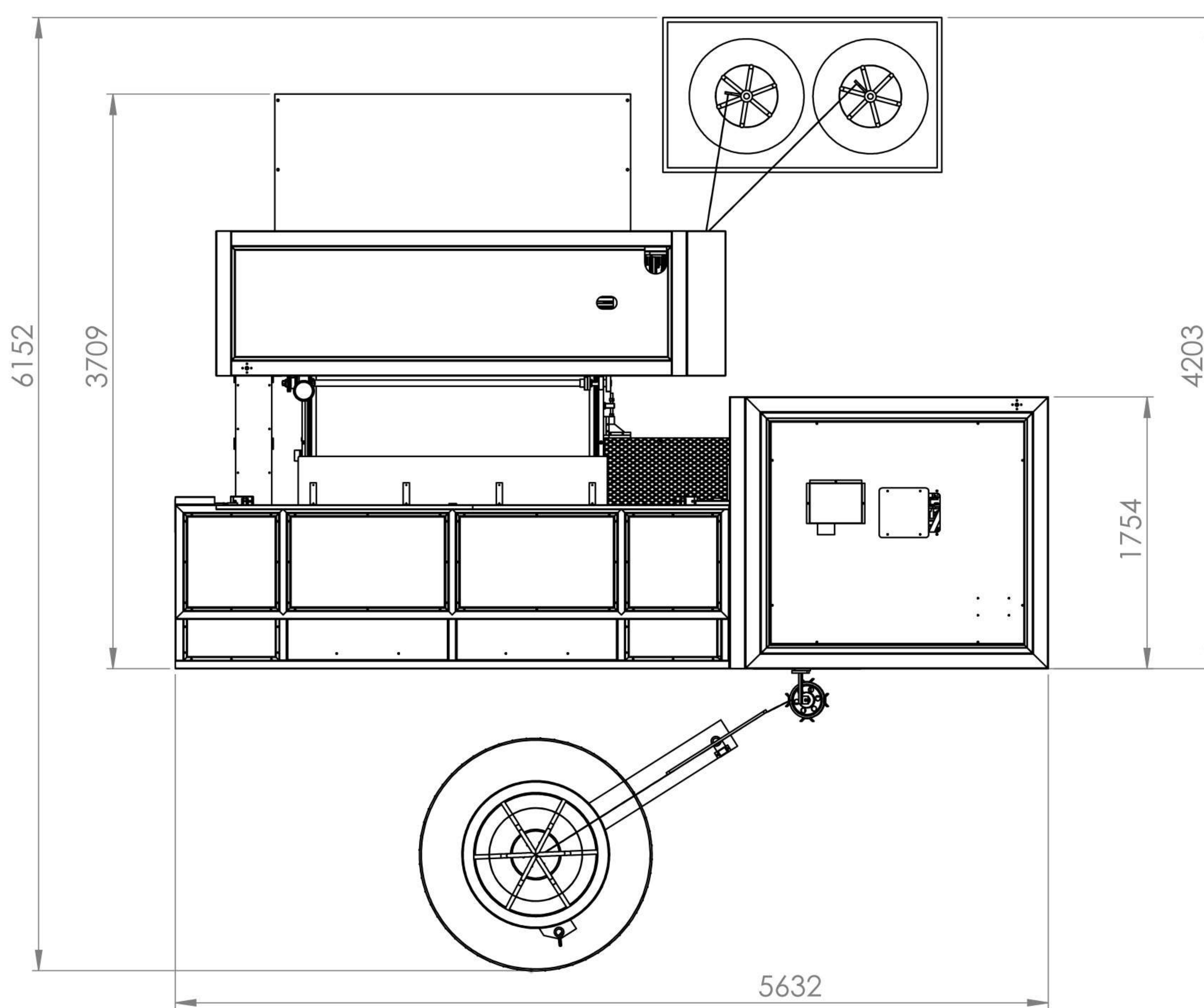


— Service & Spare Parts

× Remote Support Service

In case all our talented technicians are out on missions to support our customers with the needed mechanical or electrical work around the world, we do offer remote support for situations that doesn't require any presence from our technicians by providing a remote access solution that allows us to dig deep into any issue and solve it in the quickest timeframe possible. We are proud to say that 90% of the service requests we receive are solved in the most efficient way.

Space Requirements



Required Machine Space:

approx.
6m x 6m

Suggested Working Space:

10m x 10m

**Veysel Kütüklü Makina
Sanayi ve Ticaret A.Ş**

Emek Mah. Sıvat Cad. No:17
34785 Sancaktepe
Istanbul, Turkey

Tel +90 216 466 36 90
Fax +90 216 415 55 08

info@veyselkutuklu.com
sales@veyselkutuklu.com
www.veyselkutuklu.com



The machines complies with CE safety standards.



The information in this brochure contains only general descriptions and performance characteristics that may not always be as described or illustrated in a particular application. In addition, the products may have changed through further development. The desired performance features are only binding if they have been expressly agreed in writing upon conclusion of the contract.