

NANO
SPRINGS

EXPLORE - FUTURE - SPRING - TECHNOLOGIES

NANO SPRINGS

COMPANY

As a result of 15 years work experiences we founded in 2013 with innovative mind. From the beginning we always invested for latest technology production machines and qualifed personnel training and innovations.

NANO SPRINGS is located in Bursa Barakfakih Industrial Zone with 10.000m² closed area and more than 90 employees. Today NANO has taken place among the world leading spring manufacturers with wide range of products and services and exporting over 25 countries in the World.

NANO has always made principle to works for %100 customer satisfation. As a result of that we promise to improve our customers' businnes with our experiences. On this aim we will continue investments without sacrificing quality service and products while understanding the demands of our global customer portfolio.

MISSION

NANO SPRINGS is committed to customer base, work and workmanship, workmanship and public opinion. Being a global reclaimer, constantly believing in philosophy, having dynamic, high quality standards.

VISION

NANO SPRINGS is one of the leaders of the industry in the world and is a company that is a solution partner of beds and furniture manufacturers in the sector.

QUALITY

We make sure that training activities are organized to ensure that quality policy is understood and adopted by all employees. Reassessment of the policy to ensure compliance with market needs and company needs is ensured through periodic management meetings.

In addition to producing products with minimum cost, it is also possible to create high competitive power locally and internationally by making shipments on time and in desired qualities. In addition to this, in every process, continuous improvement, customer and process oriented attitude, environment friendly production is always on the table.

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ENVIRONMENT POLICY

At NANO SPRINGS, it is our basic understanding to perform all activities in our facilities which are producing beds and furniture springs in an environmentally sensitive manner. With this belief our principles shall be seen below;

Keeping resource consumption (electricity, water, fuel, etc.) under control in all our processes.

Complying with environmental laws, regulations and other legal provisions to comply with the Ministry of Environment waste management laws. To prevent pollution using environmentally friendly production technologies in the famework of technical and economic possibilities. Recognition and practice of recycling, recovery and reuse.

As part of creating a sustainable environment, we establish and continuously improve our Environmental Management System. To evaluate the impacts on the environment in new projects.

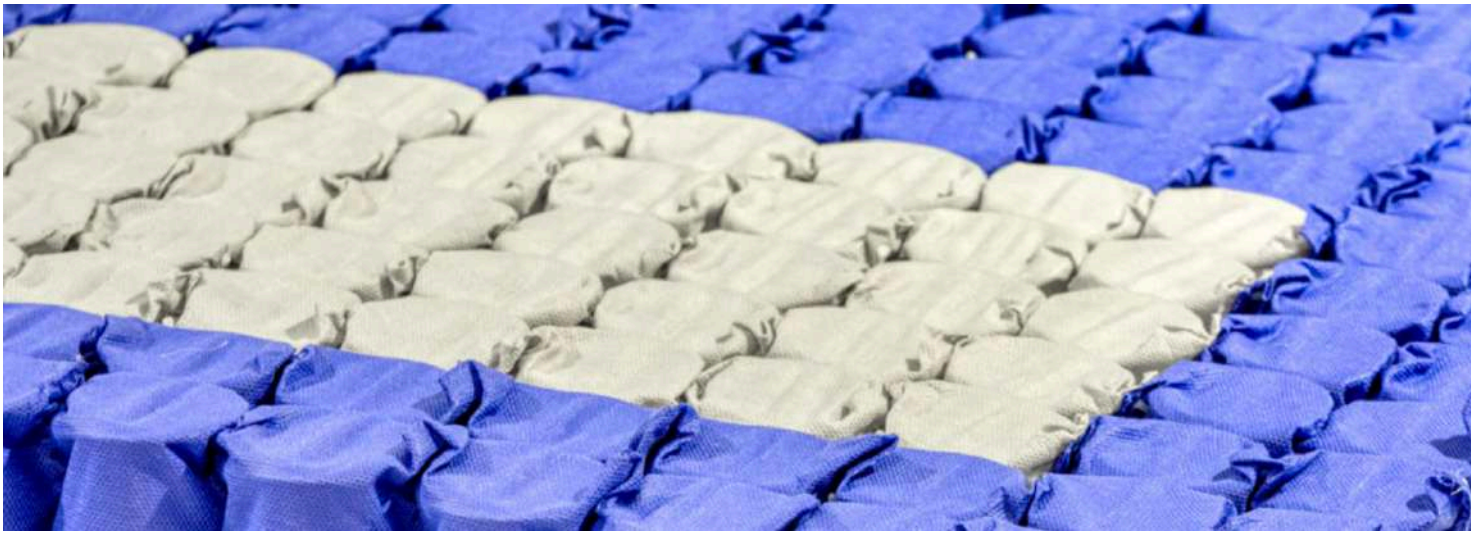
Our purpose while fulfling these principles is te international value of the circulation; to protect our customers in cooperation with our suppliers and employees, to create an educated society.

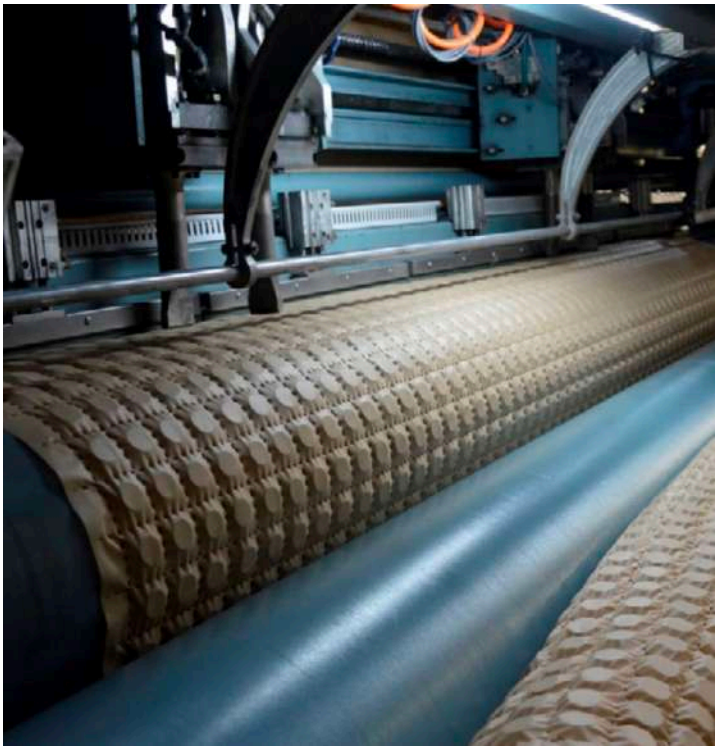
HEALTH AND SAFETY

We aim to realize all stages of our production activities in a healthy and safe working environment. As a requirement of our responsibility for the creation of healthy individuals and labor in line with this objective;

Implementing the necessary precautions to prevent occupational accidents and diseases, risk assessment by providing employee participation and attaining an acceptable risk level, using safe equipments and appropriate technologies for a healthy and safe working environment, working on improving these practices we continue to create a culture of work health and safety and make it a way of life.

To meet the legal obligations related to Occupational Health and Safety,& to continuously improve our processes and improve our performance with a proactive approach with our employees and with the employees of the subcontractor / supplier companies where we receive our services for the adoption of our Occupational Health and Safety principles, we aim to develop training and activities constantly.









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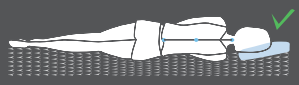
NEW AND BEST LUXURY COMFORT

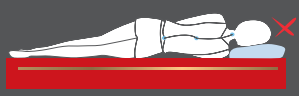
TABLET POCKET SPRING SYSTEMS

Tablet Pocket Springs identified as a unique filling and support layer, offering unrivalled comfort compared to other materials.

Combined with traditional pocket springs which is increase spring count and create many different type of comfortable and luxury mattresses.

Tablet products encourages blood circulations during sleep in which makes completely refreshed before starts a day.







ADVANTAGES

- Progressive Support
- More spring Count in thin mattress
- High Air Ventilation
- More Hygenic
- Low pressure to body blood circulation during sleep
- Non Sweating Sleep
- Stretch and ultrasonic Welded. No Glue



VENTILATION



WORLD SMALLEST SPRINGS SYSTEMS

Wire Thickness	Turns	Height	Spring Diameter	Spring / m²
1.00 - 1.70 mm	3 - 5	20 - 40 mm	25 - 50 mm	300 - 1000

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STANDARD POCKET SPRING SYSTEMS

NANO SPRINGS Standart Pocket Spring systems producing by latest technology pocket spring transfer lines to ensure high quality standarts.

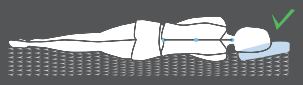
ADVANTAGES

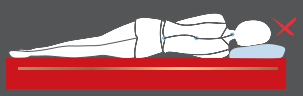
The perfect point provides optimum support to the body with the level of flexibility.

In pocket spring systems produced by inserting individual springs into interconnected fabric bags, wires of different diameters and springs of different hardness can be arranged in as many regions as required according to human anatomy.

PARALLEL Assembling can be done
NESTED Assembling can be done
Can be produced in accordance with special requests
Can be produced in various zones









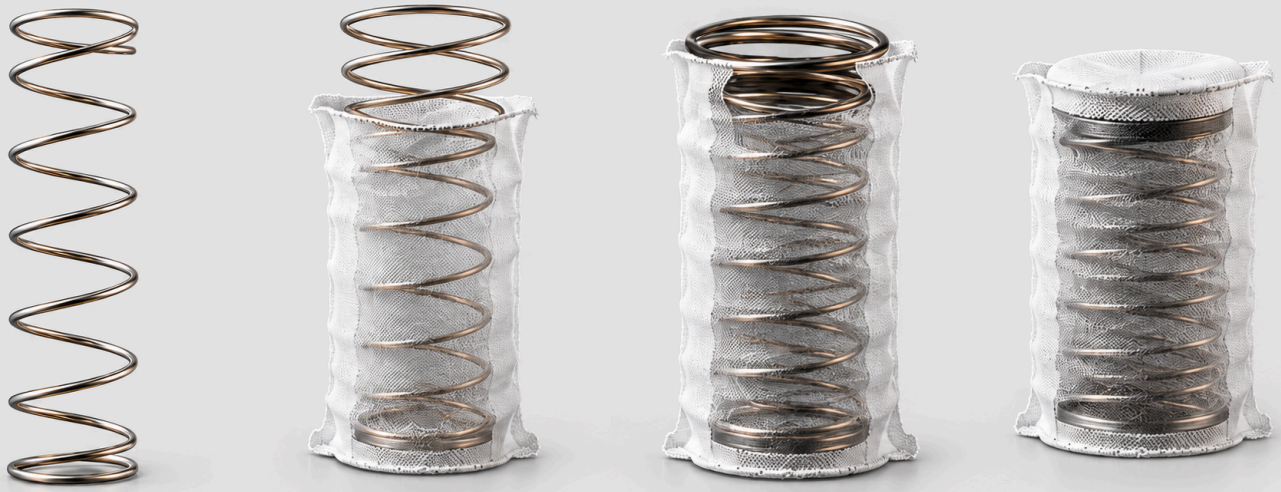
VENTILATION

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.30 - 2.20 mm	50 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	With Flat Frames or Without Frames	200 - 400

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EXTENDED SPRING | 1. INSERT | 2. COMPRESS | 3. MAXIMUM SUPPORT



MAXI SUPPORT POCKET SPRING SYSTEMS

Tall, extended springs are compressed under high pressure inside individual fabric pockets for powerful support and balanced comfort.

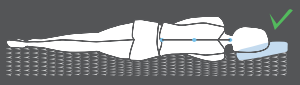
MAXIMUM SUPPORT. OPTIMISED COST.

High-pressure construction delivers a strong push-back force and a medium-firm to extra-firm feel.

Optimised wire usage helps achieve the target support with an efficient spring construction. In suitable mattress designs, strong spring support may reduce additional foam requirements.

Designed for consistent, long-term performance in hybrid, hospitality and high-profile mattresses.











VENTILATION

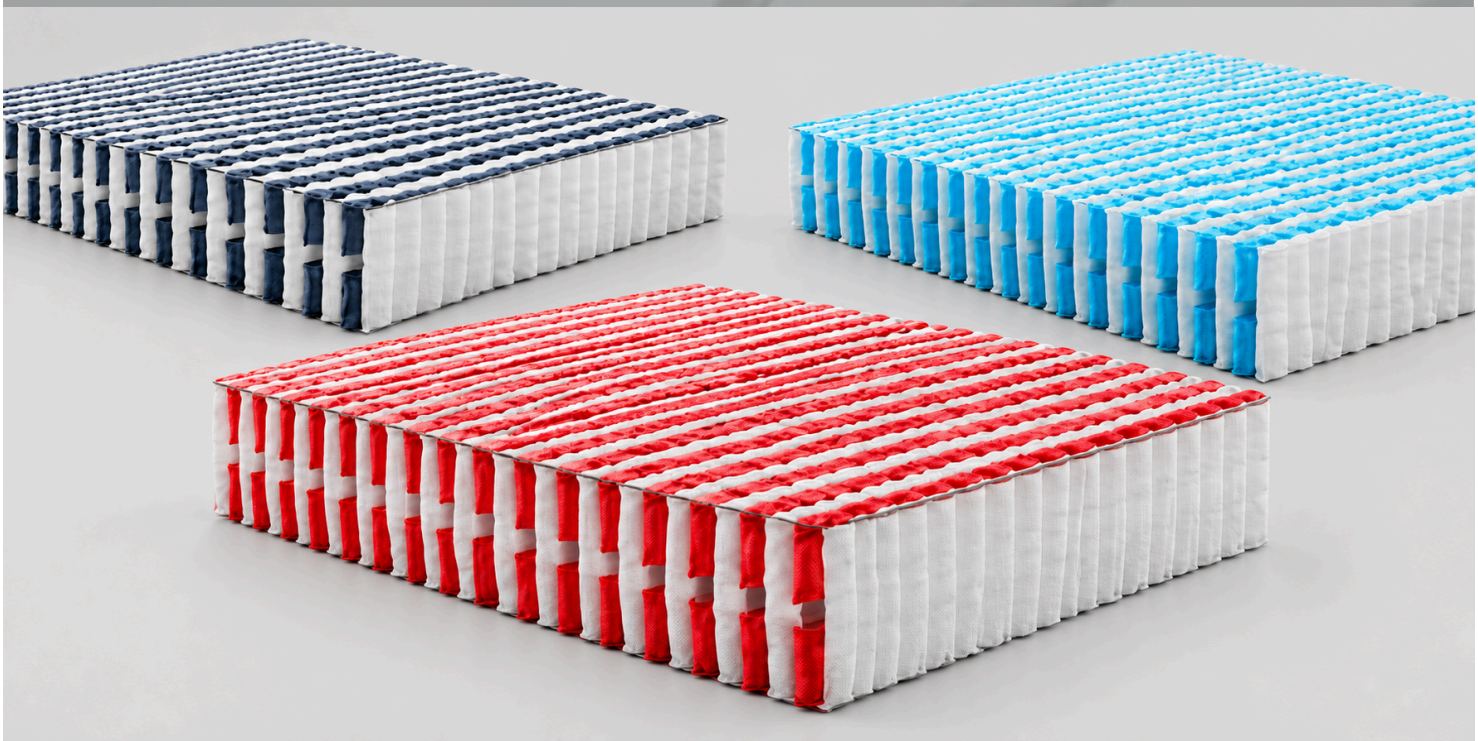


Custom sizes and zoning available. *Selected configurations.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.40 - 2.30 mm	55 - 75 mm	130 - 270 mm	4 - 8	Center or Top&Bottom	With Flat Frames or Without Frames	Customised

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AIR-SUSPENSION
POCKET SPRING SYSTEMS

Tall and short pocketed springs work together to deliver progressive support. As the tall springs compress, the short springs engage and generate additional counterforce.

Spaces between the different spring heights support air circulation. Independent spring response adapts to different loads across the mattress.

ADVANTAGES

- Progressive support as compression increases
- Independent response to body contours
- Open spaces for air circulation
- Soft, medium and firm comfort options
- High spring density: 667-1333 springs/m²
- Zoned configurations available
- Roll packing with or without flat frames

COMFORT OPTIONS

SOFT
667 springs/m²

MEDIUM
1000 springs/m²

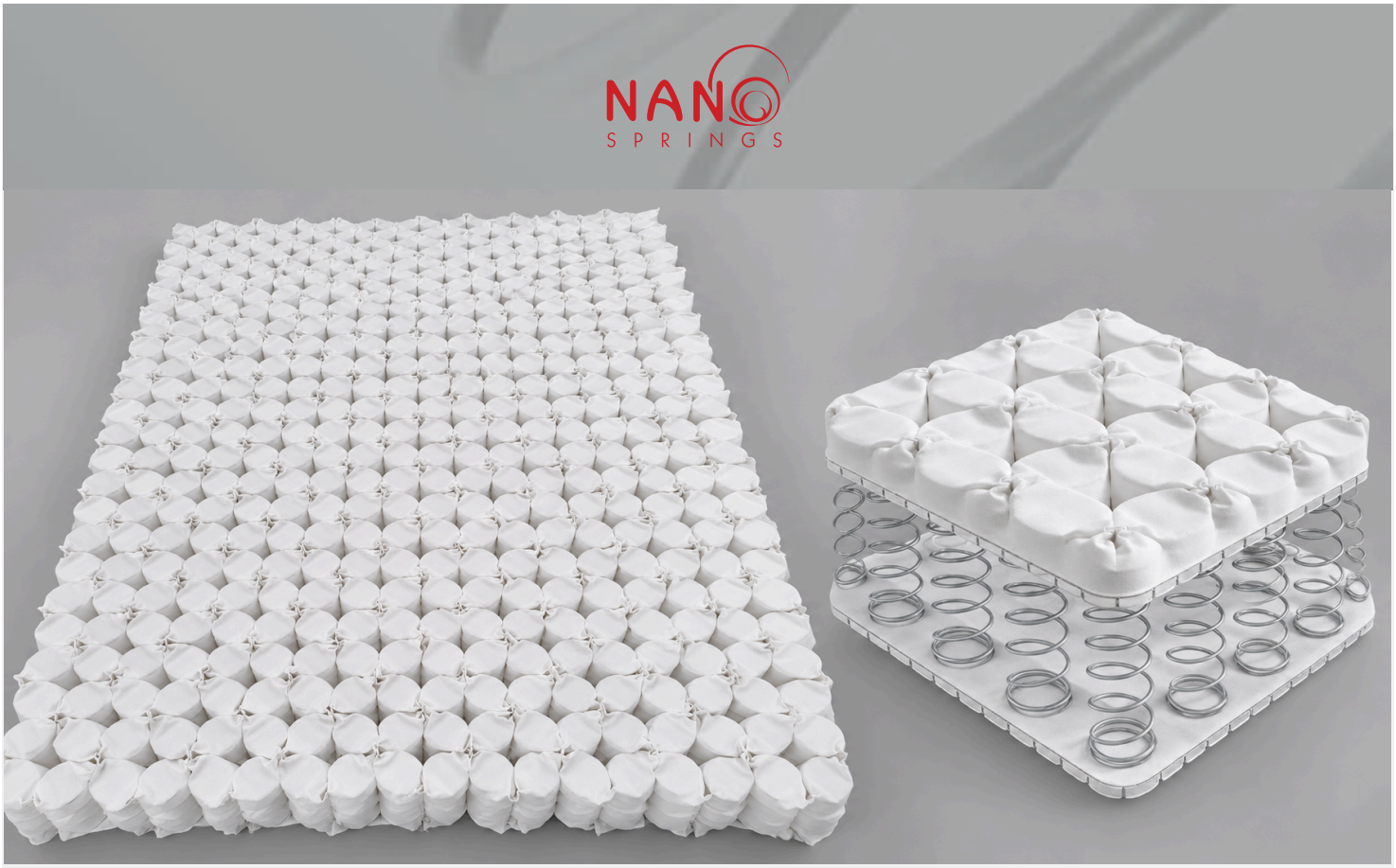
FIRM
1333 springs/m²

2000 / 3000 / 4000*

*Approximate totals for a 150 x 196 cm unit; count depends on layout.

Tall springs	Short springs	Spring density	Assembly	Packing
140-200 mm	55-75 mm	667-1333 /m²	Centre glued	Roll packed

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SONIQ POCKET

GLUELESS POCKET SPRING SYSTEMS

A new generation of pocket spring construction. Ultrasonic welding joins the fabric pockets without assembly glue, combining independent spring response with an integrated support structure.

BONDED WITHOUT GLUE.

BUILT FOR SUPPORT.

FEATURED PRODUCT

GLUELESS ASSEMBLY

Ultrasonically welded fabric connections replace adhesive between the pockets.

SOLID UNIT STRUCTURE

Welded four-pocket groups form a firmer, more cohesive unit with greater structural stability.

RESPONSIVE COMFORT

Individual pocketed springs respond locally to changes in pressure.

ECO-CONSCIOUS DESIGN

Glue-free assembly eliminates adhesive use, reducing material inputs for a more environmentally conscious product.

SPRING DIAMETER	HEIGHT	WIRE DIAMETER	JOINING METHOD
50–75 mm	70–240 mm	1.50–2.10 mm	ULTRASONIC WELDING

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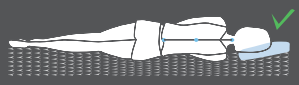


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MICRO POCKET SPRING SYSTEMS

Boosts unit resolution and surface coverage whilst providing responsive and superior support all the way to the edge of the bed.







ADVANTAGES

- Coils flex and respond to the individual contours of the body
- Increased resolution delivers greater surface coverage
- Extremely supportive with a high degree of comfort
- Minimize the effect of motion disturbance, which benefits users who share their beds with other individuals

PARALLEL Assembling can be done
Nested Assembling can be done
Can be produced in accordance with special requests
Can be produced in various zones



VENTILATION



Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.20 - 1.70 mm	35 - 50 mm	120 - 200 mm	8 - 12	Center or Top&Bottom	With Flat Frames or Without Frames	465 - 675

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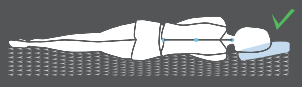


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MINI POCKET SPRING SYSTEMS

Mini pocket spring systems are designed to achieve the most ergonomic results thanks to their low height. Combined with Standard or Micro pocket spring systems, the flexibility of the bearings is doubled. It is also suitable for matterss pad, armchair, pillow production thanks to mini structure.









VENTILATION

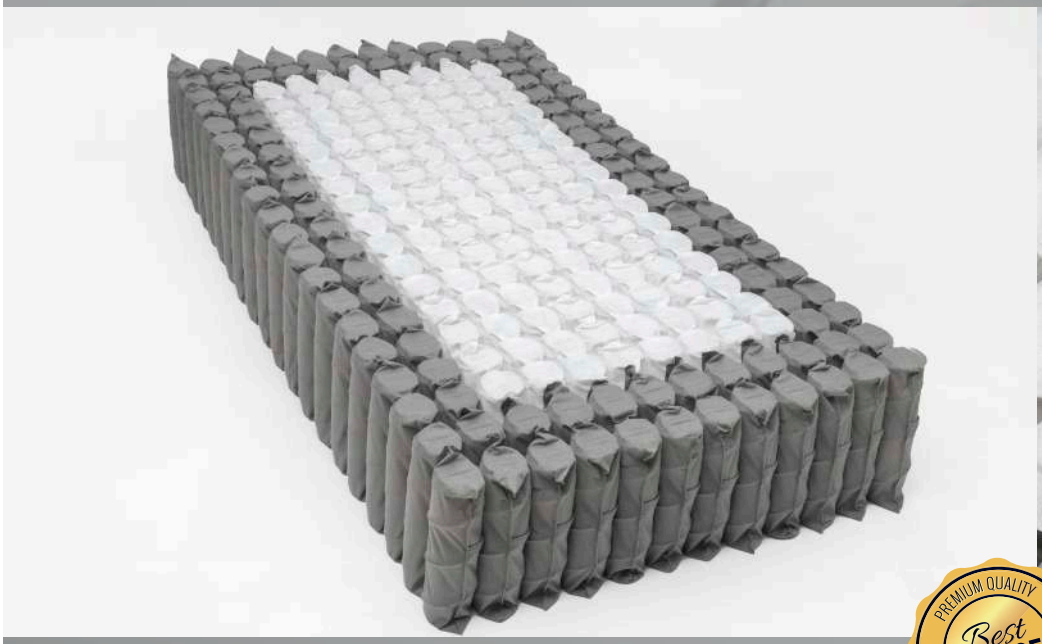
ADVANTAGES

Each spring is ergonomic because it has the ability to move independently of each other and the height is low
Wide range of uses
The number of springs per m2 can be increased without increasing the bed height
PARALLEL Assembling can be done
Nested Assembling can be done
Can be produced in accordance with special requests
Can be produced in various zones

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.50 - 2.00 mm	50 - 70 mm	70 - 110 mm	4 - 7	Center or Top&Bottom	With Flat Frames or Without Frames	250 - 400

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STRONG EDGE POCKET SPRINGS

Strong edge pocket springs are designed to provide firmer support around the edges of a mattress. This helps to prevent sagging and maintains the structural integrity of the mattress perimeter, allowing for better edge support and overall stability.



ADVANTAGES

Cost Saving

With strong edge pocket springs, during mattress production; foam encasement will not be needed. It will allow saving on filling cost and will save you time in the production.

Enhanced Support

They provide targeted support to different parts of the body, offering superior comfort and aligning with individual body contours. The strong edge construction ensures consistent support across the mattress surface, reducing the chance of roll-off and sagging at the edges.



Stability and Firmness

Strong edge pocket springs add stability to the mattress perimeter, allowing for a firmer seating edge. This feature is particularly beneficial for people who sit on the edge of the bed frequently.

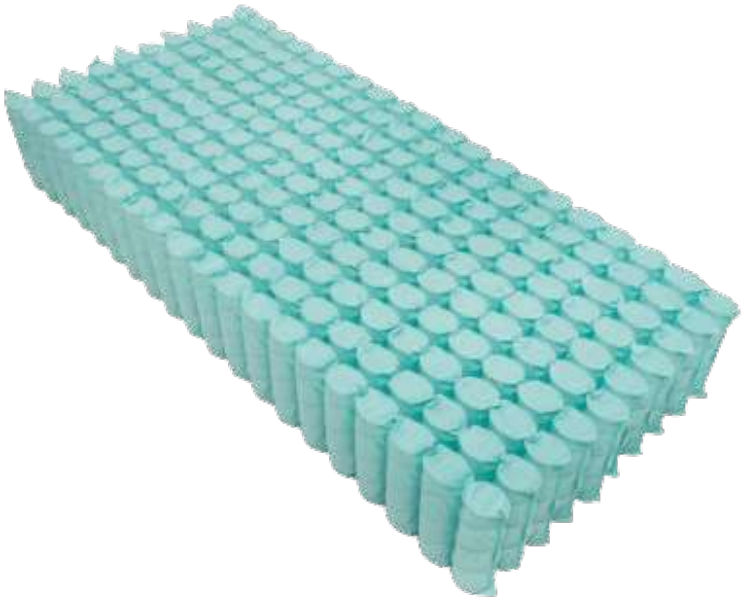
Maximized Sleeping Surface

With sturdy edges, the mattress offers a larger usable sleeping surface. This means you can utilize the entire mattress area without experiencing a significant difference in support or comfort from the center to the edges.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	With Flat Frames or Without Frames	200 - 675

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RECYCLED POCKET SPRINGS

Recycling pocket spring systems involves reclaiming materials from used mattresses with pocket spring technology. This contributes to sustainability efforts by reducing waste and promoting the reuse of valuable resources. Proper recycling of pocket spring systems aligns with eco-friendly practices in the mattress industry.

ADVANTAGES

Environmental Conservation

Using recycled materials reduces the need for virgin resources and minimizes waste. It contributes to a circular economy by repurposing materials that might otherwise have been discarded.

Reduced Carbon Footprint

Manufacturing products with recycled materials generally requires less energy compared to producing new materials from scratch. This process results in lower greenhouse gas emissions and helps in mitigating the carbon footprint.

Promotion of Sustainable Practices

Utilizing recycled pocket spring units encourages mattress manufacturers to adopt more sustainable practices, thereby raising awareness and promoting environmentally friendly choices within the industry.

Consumer Appeal

Many environmentally conscious consumers prefer products made from recycled materials. Highlighting the use of recycled pocket spring units can attract consumers who prioritize sustainability and eco-friendly practices in their purchasing decisions.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	With Flat Frames or Without Frames	200 - 675

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PADDED POCKET SPRINGS

Padded pocket springs involve adding an extra layer of padding or cushioning material on top of the individual coils in a mattress. This additional padding can enhance comfort, contour to the body, and provide a more luxurious feel to the mattress.

ADVANTAGES

Time Saving
Comes with felt assembly to increase your production speed.

Enhanced Support
The use of felt in pocket springs provides additional stability to the mattress structure. Felt acts as a buffer between the springs, preventing them from shifting or rubbing against each other.

Improved Durability
Felt reinforcement can enhance the overall durability of the pocket spring unit. It helps to evenly distribute weight across the mattress, potentially extending the lifespan of the mattress.

Motion Isolation
These felt-assembled pocket spring units can contribute to better motion isolation by providing a layer between the springs. This minimizes the transfer of movement across the mattress, ensuring that movements on one side are less likely to disturb the other side, promoting better sleep for couples or partners.

Edge Support
Felt reinforcement can contribute to better support, preventing sagging and providing a more consistent and supportive surface across the entire mattress.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Insulator Pad	Springs / m²
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	Top & Bottom	200 - 675

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DOUBLE DECKER-PADDED POCKET SPRINGS

Double Decker pocket springs's configuration aims to enhance support, responsiveness, and comfort by incorporating two layers of spring systems within the mattress structure.

These can be produced as both padded or not padded according to your needs.

ADVANTAGES

Enhanced Support and Comfort:
This construction allows for better weight distribution and adapts more effectively to various body contours.

Customized Firmness and Support
Allows mattress manufacturers to customize firmness levels by combining different types of springs in each layer.

Targeted Pressure Relief
The combination of two decks of pocket springs provides better pressure relief by offering varying levels of support to different parts of the body.

Reduced Motion Transfer
Each layer of pocket springs works independently, dampening movement and reducing disturbances caused by the motion of a sleeping partner.

Increased Durability
By distributing weight across multiple layers of springs, it reduces the strain on individual springs, potentially extending the lifespan of the mattress.

Improved Airflow and Temperature Regulation
With two layers of springs, there's increased ventilation, helping to regulate temperature and create a cooler sleep surface.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Insulator Pad	Springs / m²
1.20 - 2.20 mm	35 - 70 mm	120 - 200 mm	5 - 12	Center or Top&Bottom	Top & Bottom	433-1333

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EXTRA HIGH POCKET SPRINGS

Extra-tall pocket springs refer to the elongated, individual coils in a mattress that provide support. These longer springs are designed to offer enhanced comfort and better weight distribution for a more supportive sleep surface.

ADVANTAGES

Cost Saving
Higher pocket springs will allow saving on filling cost and will also save you time in the production.

Optimized Support
The increased height of these pocket springs allows for more coil turns within each spring. This results in higher support as they can contour more precisely to the body's curves, providing better weight distribution and support across different pressure points.

Enhanced Comfort
With additional coil turns, extra high pocket springs offer a more responsive and adaptable sleeping surface. This responsiveness can contribute to improved comfort by offering a greater level of cushioning and contouring to the body's shape.

Wire Thickness	Spring Diameter	Height	Turns	Glueing Type	Frames	Springs / m²
1.70 - 2.20 mm	50 - 70 mm	200 - 270 mm	7 - 9 mm	Center or Top&Bottom	With Flat Frames or Without Frames	220 - 400

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DURABILITY

BONNELL UNITS SPRING SYSTEMS

Bonnell Spring is the oldest spring type technology and is curently widely used in the entry-level spring mattresses.

Bonnell springs are hourglass-shaped and the ends of the wire are knotted or wrapped around the top and bottom circular portion of the coil and self-tied.

All the individual spring are then tied together using spring wire and the completed structure is reinforced with a strong border wire to retain shape.

ADVANTAGES

- Most economic systems
- Suitable for orthopedic mattrees production
- Traditional and long last spring systems
- Wide range of uses

Wire Thickness	Turns	Height	Spring Diameter	Spring / m²
2.00 - 2.50 mm	4 - 6	100 - 160 mm	73 - 92 mm	110 - 130

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%95 Export Production



Export to 25 Countries

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Barakfakih Organize Sanayi Bölgesi 14. Cad. No: 6 Kestel/Bursa / Turkiye P.box:16450

T: 0224 441 13 33 - F: 0224 441 13 30

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