

VKD Series

One spring assembly machine,
X possibilities.



The best solutions for the assembling process of bonnell springs.

Veysel Kutuklu Mattress Machinery has developed the VKD Series, with the aspiration to provide a robust and flexible machine that can serve for many years mattress and spring unit producer. The first delivery of VKD Series began 35 years ago. The amazing detail: The machines delivered 35 years ago are still running without any stop.

The VKD machines can handle unlimited range of different bonnell springs thanks to their great flexibility. This machine is available in six variations to match the customers needs in the best way.

VKD x



VKD 1000 x

VKD 1800 x

VKD 2000 x

VKD



VKD 1000

VKD 1800

VKD 2000

Highlights of VKDx Series

The VKDx machines are the new standard of bonnell assembling machines. This machines are designed to achieve the highest productivity for the production of bonnell spring units. The automatic lubrication system, easy changover to different spring unit width and the precise encoder system are ensuring the best experience for the production of any type of bonnell springs units.

The VKDx Series achieves a lean and robust machine structure because of the usage of highest quality materials in every detail.

Highlights

Automatic Lubrication System

- + The automatic lubrication system ensures a periodic oiling of two points on the machine
- + The lubrication of the wire feed roller provides a smooth input of the spiral wire
- + The time frames for the periodic lubrication can easily set up on the display

Precise Encoder System

- + The length of the spiral wire is measured in maximum precision
- + The system gives a warning signal when the wire sticks

Simple Change of the Bonnell Spring Unit Width

- + Change to other unit widths in a very short time

More Transparency about Production Numbers

- + The production monitoring tool shows the daily production of finished bonnell springs units

Easy Handling with Touchscreen Display

- + The user-friendly touchscreen display offers the best experience for the operator of the machine

Additional Jaws for more firm Spring Units

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

Highlights of VKD Series

The VKD series area a base machine for the assembling process of bonnell springs for every mattress and spring unit producer.

This machines are designed to achieve the highest productivity for the production of bonnell spring units. The easy changover to different spring unit width and easy handling on a touchscreen display are ensuring the best experience for the production of any type of bonnell springs units. The VKD Series achieves a lean and robust machine structure because of the usage of highest quality materials in every detail.

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Technical Data

	VKD 1000/x	VKD 1800/x	VKD 2000/x
Spring Type	Bonnell	Bonnell	Bonnell
Performance (approx.)	28.500 springs/8 hours	28.500 springs/8 hours	28.500 springs/8 hours
Spring Outside Diameter	70 mm - 96 mm	70 mm - 96 mm	70 mm - 96 mm
Spring Center Diameter	40 mm - 55 mm	40 mm - 55 mm	40 mm - 55 mm
Spring Height Diameter	75 mm - 200 mm	75 mm - 200 mm	75 mm - 200 mm
Spring Wire Diameter	1.9 mm - 2.4 mm	1.9 mm - 2.4 mm	1.9 mm - 2.4 mm
Spiral Wire Diameter	1.3 mm - 1.4 mm	1.3 mm - 1.4 mm	1.3 mm - 1.4 mm
Working Width	1000 mm	1800 mm	2000 mm
Standard Jaws	7	16	18
Max. Jaws	10	17	23
Power Consumption	approx. 3,5 kW	approx. 3,5 kW	approx. 3,5 kW
Power Requirements	Three Phase 380V Frequency: 50-60 Hz, Input Fuse: 63 A Cable: 4 x 4 mm ²	Three Phase 380V Frequency: 50-60 Hz, Input Fuse: 63 A Cable: 4 x 4 mm ²	Three Phase 380V Frequency: 50-60 Hz, Input Fuse: 63 A Cable: 4 x 4 mm ²
Working Temperature	0° C - 40° C	0° C - 40° C	0° C - 40° C
Weight	approx. 750 kg	approx. 1.050 kg	approx. 1.150 kg
Wire Basket Capacity	2x500 kg	2x500 kg	2x500 kg
Machine Dimesions (LxWxH)	250 x 240 x 190 cm	330 x 240 x 190 cm	350 x 240 x 190 cm