

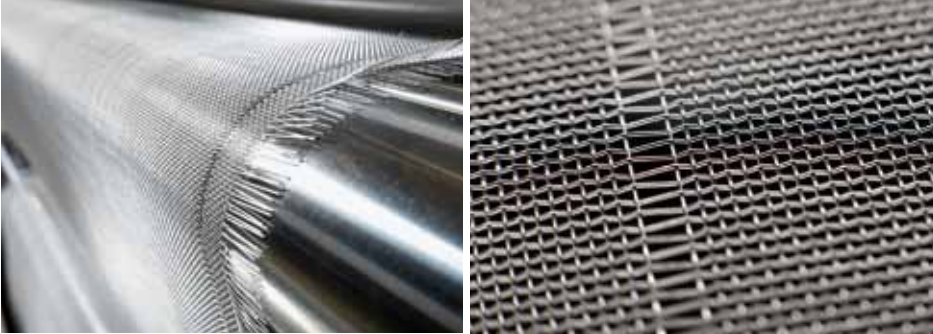
Wire weaving machines
BD520, BD600, BD800



Economic machines for high-quality fabrics

The Jäger metal wire weaving machines of Schlatter Deutschland are designed for highly efficient production of the highest-quality fabrics. The machines are characterized by their operator convenience and easy maintenance. The large number of peripheral devices complete the necessary equipment for economic production of metal wire fabrics.





All from one supplier

The wire weaving machines of the BD series are ultramodern band gripper weaving machines and cover a large part of the wire fabric market. From standard fabrics to medium heavy fabrics to heavy fabrics, Schlatter Deutschland offers under the brand Jäger the corresponding machine optimized for the product.

The concept of the machine is designed to deal flexibly with the corresponding demands of the customer. A modular concept allows for weaving widths of between 1000 mm and 4200 mm, depending on the machine type.

The advantages of the machine result from the wide application range for the processing of a great variety of materials. From iron, copper, brass, bronze, stainless steel, aluminum to platinum, they can all be woven on these machines.

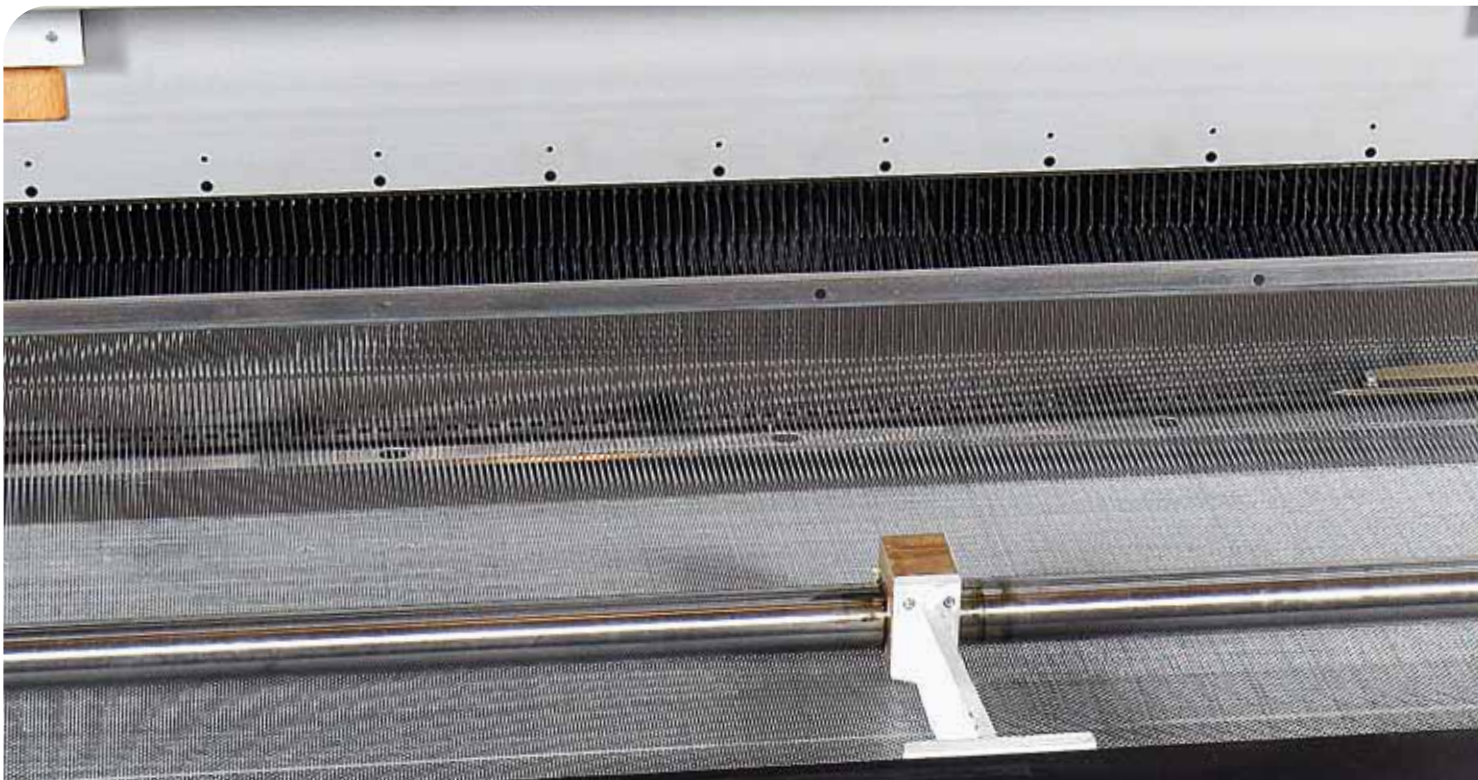
Depending on your range of products, Schlatter Deutschland offers you various Jäger weaving machines and peripheral devices from one supplier.





The optimum configuration of the weaving machine

Whichever fabric you want to produce, fine fabrics, medium heavy fabrics, or heavy fabrics, as plain fabric or twilled weave, Schlatter Deutschland configures the optimum machine for your demands.



Fabric pattern

Plain fabric, three-shaft to five-shaft twill wire cloth by externally arranged positive cam motion or AC servo dobby.

Weft insertion

The weft insertion is effected by a single-sided band gripper system driven by an AC servo motor.

Beat of slay

The beat of slay is done by double cam discs. With the BD520 by direct drive, with BD600 and BD800 by additional toggle lever system.

Warp let-off

The warp let-off is controlled electronically by an AC servo motor, while the warp tension is displayed digitally.

Cloth take-up

A 3-roll take-up system with separate central winder or alternatively the take-up roll provides optimum and slide-free cloth take-up. The drive is effected by an AC servo motor.

Main drive

The drive of the BD600 and the BD800 is effected by a three-phase motor with pneumatically activated clutch-brake combination. The BD520 has a direct drive.





The wire weaving machines BD520, BD600 and BD800

Reproducible fabric quality by programmable weaving parameters. Greatest possible mesh accuracy by use of the latest electronic controls for warp let-off and cloth take-up. Optimum reliability of the production process by means of a proven band gripper system. Shortest possible set-up times due to a programmable fabric data (recipe).





BD520
for fine fabrics:

protection fabrics, industrial fabrics with wire diameters of 0.05–0.45 mm, at weaving widths of 1300–2500 mm.

BD600
for medium heavy fabrics:

reinforcing fabrics, oil filters, airbag fabrics with wire diameters of 0.1–0.8 mm, at weaving widths of 300–3500 mm.

BD800
for heavy fabrics:

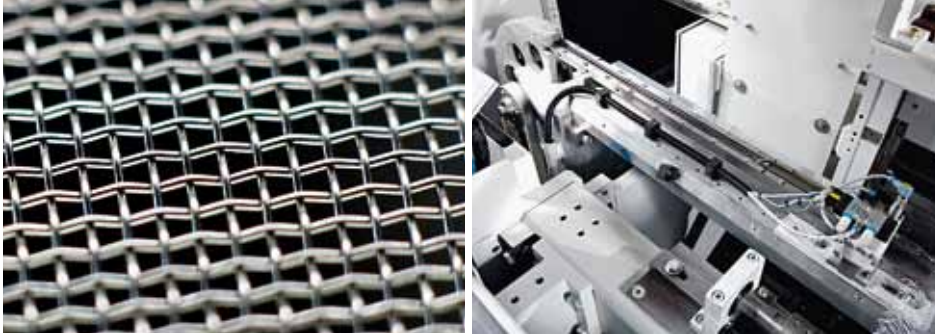
security screens, transport belts, heavy industrial fabrics with wire diameters of 0.3–1.6 mm, at weaving widths of 1600–4200 mm.



Specification

BD520, BD600 and BD800 are flexible wire weaving machines for the efficient production of highest-quality fabrics.

	BD520	BD600	BD800
Standard weaving width special widths on request	1300 mm 1600 mm 2100 mm 2500 mm	1300 mm 1600 mm 2100 mm 2500 mm 3500 mm	2100 mm 2500 mm 3200 mm 4200 mm
Wire diameter	0.05–0.45 mm	0.1–0.8 mm	0.3–1.6 mm
Square mesh screens meshes per inch (25.4 mm)	15–200	10–100	4–50
Dutch weave meshes per inch (25.4 mm)	up to 300	up to 300	up to 250
Wire material	stainless steel, iron, copper, brass, bronze, aluminum, platinum	stainless steel, iron, copper, brass, bronze, aluminum, platinum	stainless steel, iron, copper, brass, bronze, aluminum
Number of picks (depending on weaving width and fabric specification)	180 1/min	150 1/min	80 1/min
Basic tension	2000 daN/m	4000 daN/m	8000 daN/m

**Wire material**

- stainless steel
- iron
- copper
- brass
- bronze
- aluminum
- platinum

Wire specification

You can weave wires made of the various materials in different conditions: bank, annealed or unannealed, alloyed or unalloyed, hard or soft, smooth or twisted.



Designed for changing demands

Schlatter Deutschland offers a large range of additional modules and peripheral devices. The following options represent a selection from our range of goods. On request we also deliver weaving machine accessories such as heddles, harnesses, reeds and beaming combs according to your special requirements.



Beaming machine

With warp spool creel. For the quick beaming of the warp beam outside the machine.



Beaming apparatus

The special beaming apparatus enables a filling of the warp beam at constant tension.



Transport carriage

For the transport of the warp beams from the beaming machine to the weaving machine. Optional design with harness insertion device for the insertion of weaving harnesses and reed with drawn-in warp.



Pre-spooler

Enables a steady tension during the weft insertion and thus higher speeds. Draws the weft wire optionally from coil or from spool.

Investment protection through sustained support

Our aim is to increase the productivity of our customers and to increase the operating life of their machines. Therefore we also provide customer service support after the start-up of a Jäger system.

Helpdesk

For general technical questions and repair or maintenance issues, please contact our multilingual helpdesk team by phone or via Internet.

Field service

For prompt help on the spot, our field service specialists offer expert support worldwide.

Repair service

Schlatter has its own workshop in which we can carry out repairs and overhauls to your control devices and mechanic components.

Spare part service

Thanks to our extensive stock and efficient logistics department we can offer you a high availability and fast replacement for machine components.



A reliable partner in plant construction

The Schlatter group is a world leader in plant manufacturing for resistance welding systems and weaving machines for special applications. With long-standing expertise in industrial engineering, innovative flair and a reliable customer service, the Group listed in Switzerland provides production systems offering high performance and quality.



Core competence

Schlatter has almost 100 years of expertise in plant construction and customer-oriented solutions. The company enjoys a worldwide presence and has more than 500 dedicated employees. The combination of expertise in welding and systems technology makes Schlatter a reliable partner in plant construction.

Segment resistance welding

Schlatter has acquired unique experience in the development and production of reinforcing and industrial mesh welding systems, mobile and stationary rail welding machines as well as systems for manufacturing radiators.

Weaving segment

Under the brand Jäger, the Schlatter Group provides state-of-the-art weaving and finishing machines for the paper machine fabric industry.

Contact

Professional contacts for sales, technical support, customer service and administration are available worldwide in the Group's companies and at select representatives/agents of the Schlatter Group. You can find the relevant contact details on our Internet site www.schlattergroup.com.

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