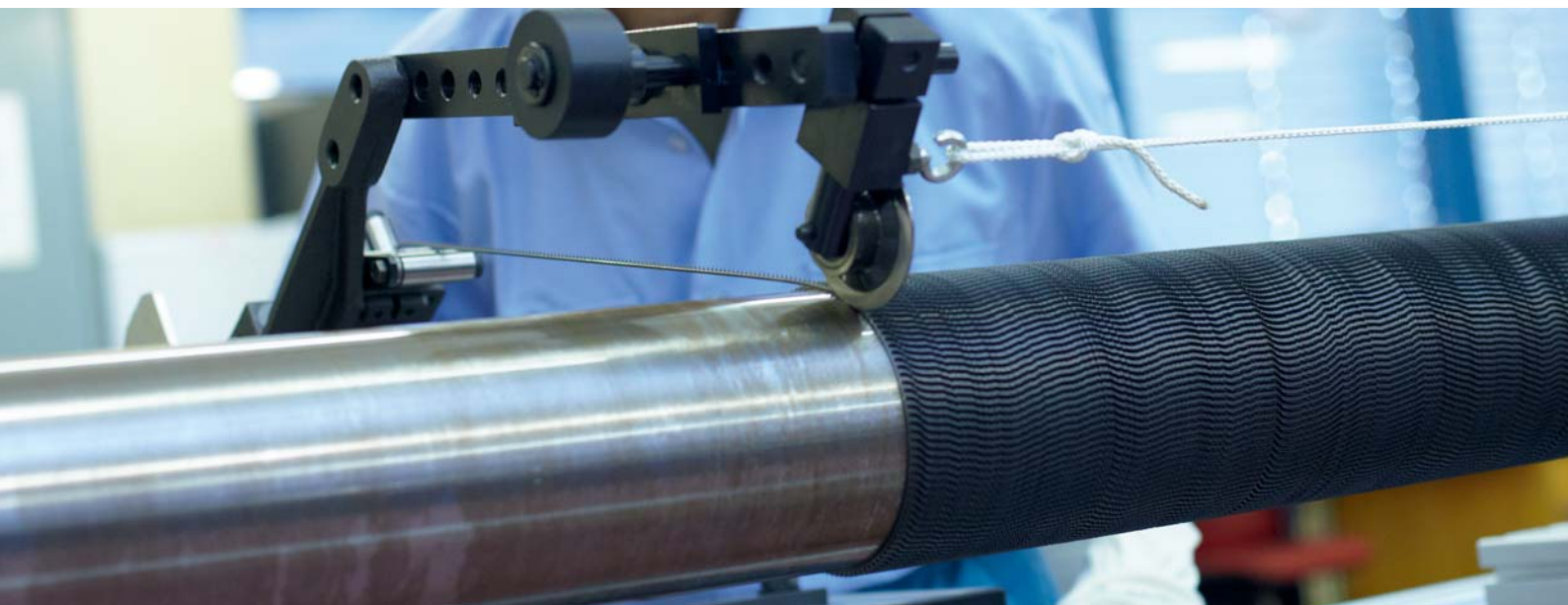
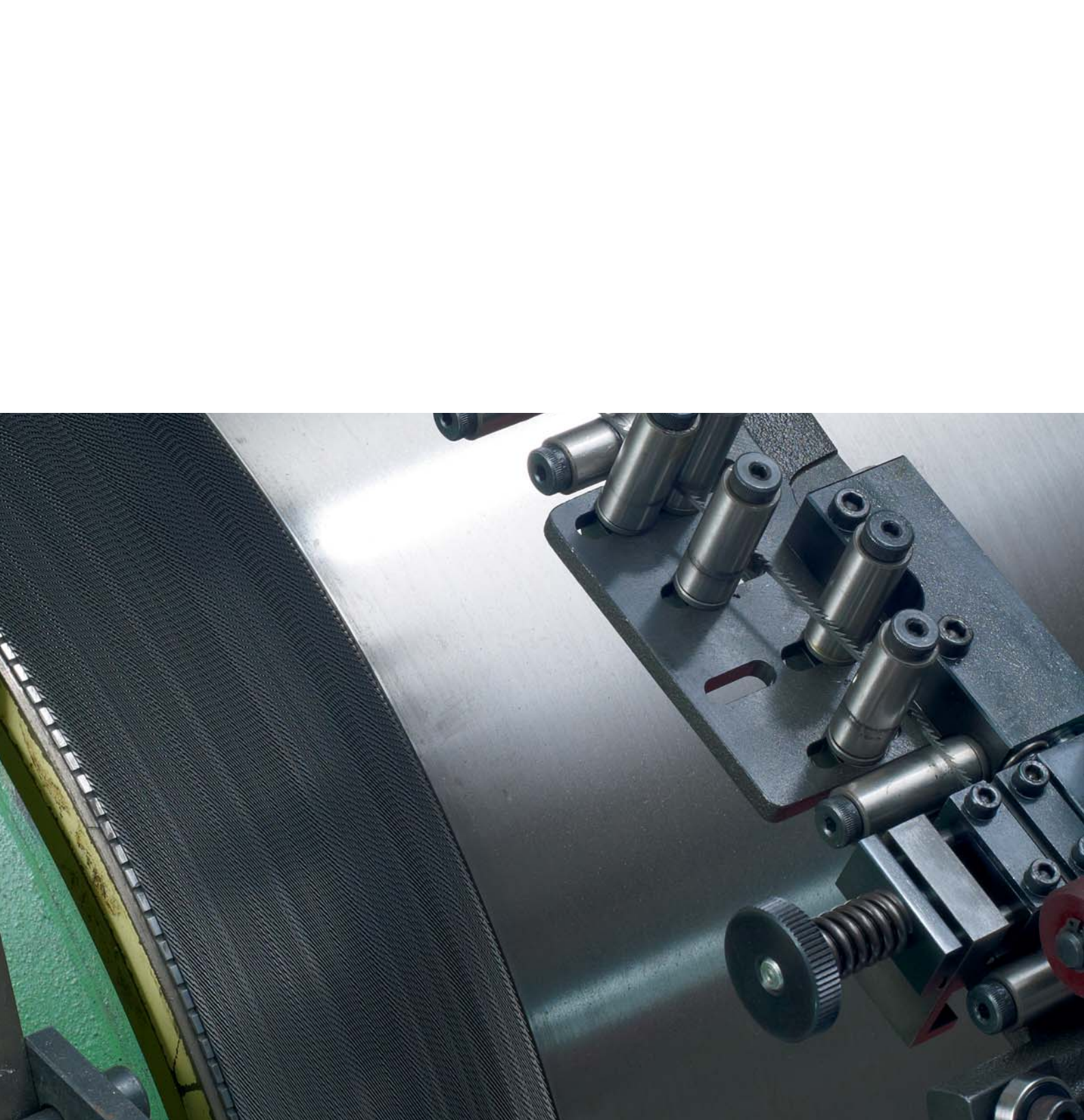


Service

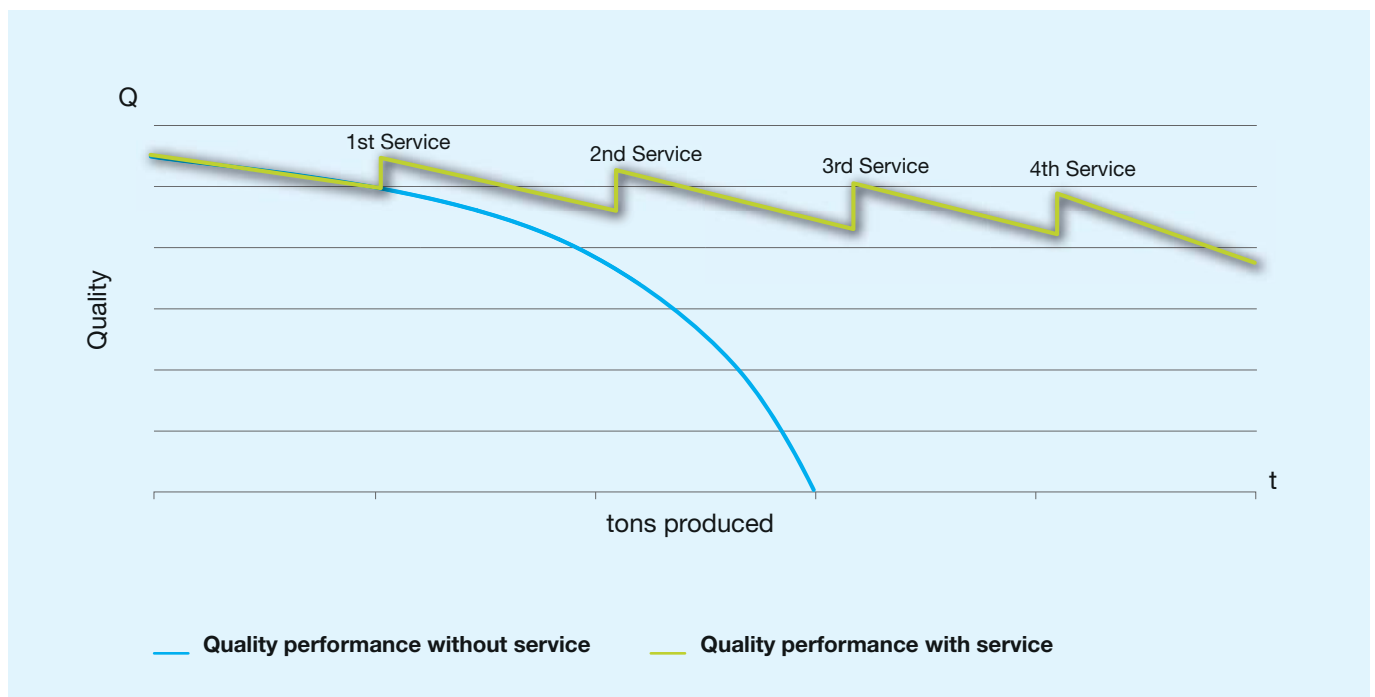
Carding and Nonwoven



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Service pays off

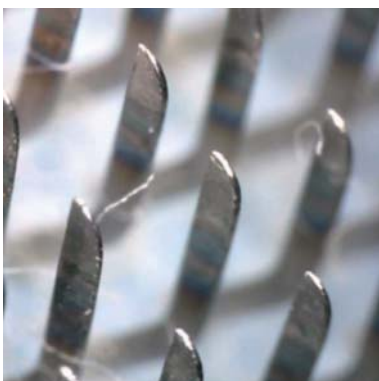


Comparison of the lifetime and service times of clothings with and without service intervals.

Clothing service extends lifetimes many times over

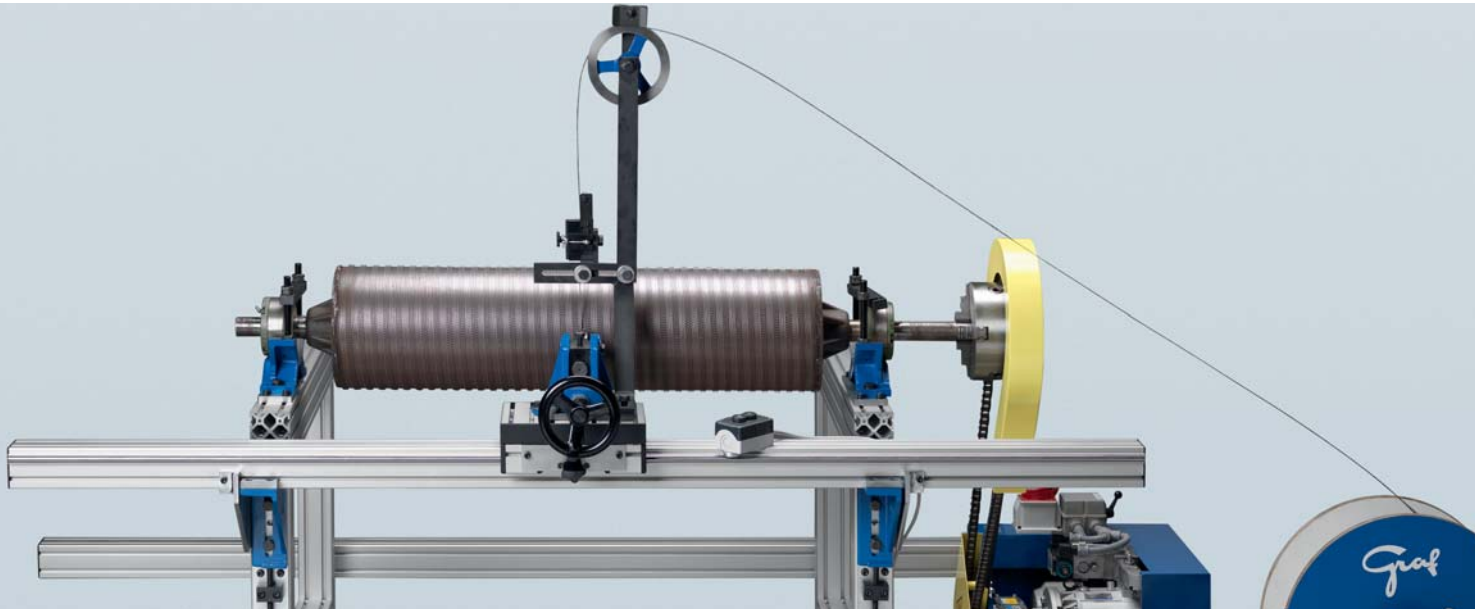
The flexible flat clothings, produced with the highest precision, have a much bigger impact on the carding quality than the cylinder clothing. The nep content in the card sliver is mainly influenced by the state of the flat clothings. Regular servicing of the clothings assures more consistent nep values, but also pays off economically.

New flat clothings



Resharpended flat clothings (2nd service)





Mounting equipment for metallic card clothings

The quality of the card sliver is only as good as the clothings used. Even high-quality clothings as manufactured by Graf need to be serviced and replaced regularly. To date the mounting process required patience and considerable time. Graf mounting equipment for metallic card clothings – especially developed to make reclothing quicker, easier and also offer more process security – provides for a more economic time management and longer lifetimes of the card clothings. The versatile mounting machines guarantee reliability, flexibility and, structured as a modular system, offer you the ideal combination for all service needs.

GAV – Metallic wire mounting equipment



Technical data

- Rating GAV drive: 1.5 kW
- Weight GAV drive: 89 kg
- Rating butt welder: 2.0 kW
- Weight butt welder: 15 kg
- Rating stripping reel: 0.75 kW
- Weight stripping reel: 64 kg

Product details

- The GAV upper part consists of tensioning device, dressing- and pre-bending rollers
- There is a choice between press-on roller or press-on finger for the wire mounting
- The lateral pressure, by means of rope and weight with return safeguard, guarantees tight fitting of the individual wire threads
- The drive unit consists of a reversible drive motor with hydro-static variator with electric remote control
- Stepless selection of the required speed from 0–200 min⁻¹
- Universal clamping sprocket with three-jaw chuck, adjustable for shaft diameters from 30–120 mm
- Reel stand with shaft and run-off brake for the new clothing coils
- Mounting tools comprising 300 Watt soldering bit, soldering material and chisel are included in the basic equipment
- CE conformity

Customer advantages

- The fine adjustment of the tensioning device allows even inexperienced operators to correctly set the mounting tension based on the base width of the metallic wire to be installed
- The purposeful array of dressing- and pre-bending rollers ensures that even clothings with small base widths stand upright

GAV

GAV is the abbreviation for the versatile mounting device for standard and interlinked metallic card clothing for all known flat cards. The modular system allows customers to choose the right combination to cover their needs.



GAV accessories



Butt welder

The butt welder is used to weld all types of metallic card clothings as well as aluminum base wire.



Stripping reel

The stripping reel is used for simple, proper and safe stripping of worn clothings.

ROD 35 – Roller clothing appliance



ROD 35 for standard clothings (in grooves or surface-wound) and interlinked clothings

The ROD 35 roller can be used to mount, depending on the execution, standard clothings thread by thread and in grooves or in interlinked form and to recloth cleaning and polishing rollers up to a diameter of 700 mm and a working width of 1600 mm. It is also possible to recut worn or heavily soiled grooves or clean heavily soiled rollers and remove residues (spinning lubricant).

Technical data

- Weight complete basic equipment: 281 kg
- Weight mounting frame: 192 kg
- Weight GAV drive: 89 kg
- Rating GAV drive: 1.5 kW

Product details

- Mounting frame made from aluminum profile
- Feed slide with upper part, wire tensioning device and press-in rollers for the clothing of groove-wound rollers
- GAV upper part and tensioning device for the clothing of all surface-wound rollers with standard or interlinked clothings (not included in basic equipment)
- Large and small V-shaped bearing brackets to suit all roller bearings
- Universal clamping sprocket with three-jaw chuck, adjustable for shaft diameters from 30–120 mm
- The drive unit, furnished with casters, consists of a reversible drive motor with hydrostatic variator with electric remote control, stepless selection of the required speed between 0–200 min⁻¹ (not included in basic equipment)
- Mounting tools comprising 300 Watt soldering bit, soldering material and chisel are included in the basic equipment
- CE conformity



Customer advantages

- Designed for the easy, efficient and safe reclothing of all rollers, surface- or groove-wound with either standard or interlinked clothings
- The modular system allows the use of existing GAV parts (upper part, drive unit)
- With the necessary accessories the mounting of all flexible fillets on to cleaning and polishing rollers is straightforward

ROD 35/1 – Roller clothing appliance



Technical data

- Weight complete basic equipment: 281 kg
- Weight mounting frame: 192 kg
- Weight GAV drive: 89 kg
- Rating GAV drive: 1.5 kW

Product details

- Mounting frame made from aluminum profile
- GAV upper part and tensioning device for the clothing of all plain rollers with standard or interlinked clothings (not included in basic equipment)
- Large and small V-shaped bearing brackets to suit all roller bearings
- Universal clamping sprocket with three-jaw chuck, adjustable for shaft diameters from 30 – 120 mm
- The drive unit, furnished with casters, consists of a reversible drive motor with hydrostatic variator with electric remote control, stepless selection of the required speed between 0–200 min⁻¹ (not included in basic equipment)
- Mounting tools comprising 300 Watt soldering bit, soldering material and chisel are included in the basic equipment
- CE conformity

Customer advantages

- Designed for the easy, efficient and safe reclothing of all surface-wound rollers with either standard or interlinked clothings
- The modular system allows the use of existing GAV parts (upper part, drive unit)
- With the necessary accessories the mounting of all flexible fillets on to cleaning and polishing rollers is straightforward

ROD 35/1 for standard (not groove-wound) and interlinked clothings

The roller mounting appliance ROD 35/1 is a versatile machine for the reclothing of all small, plain rollers of flat cards as well as opener rollers not exceeding 700 mm in diameter and 1600 mm working width. The modular system allows customers to choose the right combination to cover their individual assembly needs.



ROD accessories



GAV

A GAV drive is required for all work. The drive motor of the GAV is suitable for driving all rollers equipped with metallic card clothings.



Device for mounting of flexible clothings

The device is a mounting kit for the simple installation of flexible fillets for cleaning and polishing rollers.



Stripping reel

The stripping reel is used for simple, proper and safe stripping of worn clothings.



Clipping machines for flat clothings

Modern high-performance cards are designed for high production rates and top quality of the yarn. These requirements place the highest demands on stationary- and flexible flat clothings to assure that an ideal production performance and desired quality can be achieved. The flat bars are manufactured from aluminum or cast iron depending on the card type and working width. The special form and the material of the flat bars place high requirements on the flat clipping machine. Graf has developed different flat clipping machines so that small and large spinning mills can clip their flat clothings economically, efficiently and with the precision required today.

DAM 100 + DAM 100/1 – Flat clipping machine

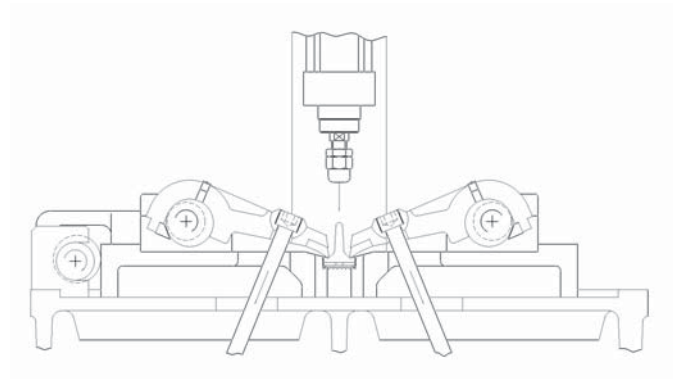


DAM 100 for 40" working width

DAM 100/1 for 40" to 60" working width

Today's generations of high production cards put highest demands on quality and productivity. For this purpose GRAF has developed the new, automatic flat clipping machines DAM 100 and DAM 100/1.

These machines are most suitable for larger spinning mills or service centers which clip cast iron or aluminum flat bars economically, efficiently and with the precision required today.



Technical data

- Rating drive motor: 2.2 kW
- Compressed air pressure: 6–7 bar
- Weight DAM 100: 1'158 kg
- Weight DAM 100/1: 1'672 kg

Product details

- Machine base of sturdy welded construction
- Fully automatic clipping process
- Pneumatic flat clamping
- Even distribution of pressure on the flat clothing without deforming the flat bars
- Two eccentric shafts move the pressure plates and clipping of the clothing to the flat bar in a single motion
- CE conformity

Customer advantages

- Highest clipping quality by way of card-specific clipping rails and benders
- Only individual (if any at all) flat clothings need to be equalized thanks to the high clipping quality
- Longer lifetime of flat clothings
- Ideal setting of the carding gap
- More constant nep values in the yarn
- Fast conversion to other types of flats
- Minimal service and maintenance requirements due to central lubrication system

DAM 25 + DAM 25/1 – Flat clipping machine



Technical data

- Rating drive motor: 0.74 kW
- Compressed air pressure: 5–6 bar
- Speed of mounting slide: 4 m/min
- Weight DAM 25: 490 kg
- Weight DAM 25/1: 650 kg

Product details

- Automatic clamping and clipping process
- Extremely sturdy construction with ground guide beams
- Clipping slide equipped with electro pneumatically operated roller units
- Pre-bending- and forming rollers for clips adjustable in width
- Vertical clamping of the flat clothing by 4 or 6 pressure cylinders
- Ground clipping rails suitable for the flat type in question
- Clipping rails for the mounting of stationary flat clothings on to cast iron and aluminum bars
- CE conformity

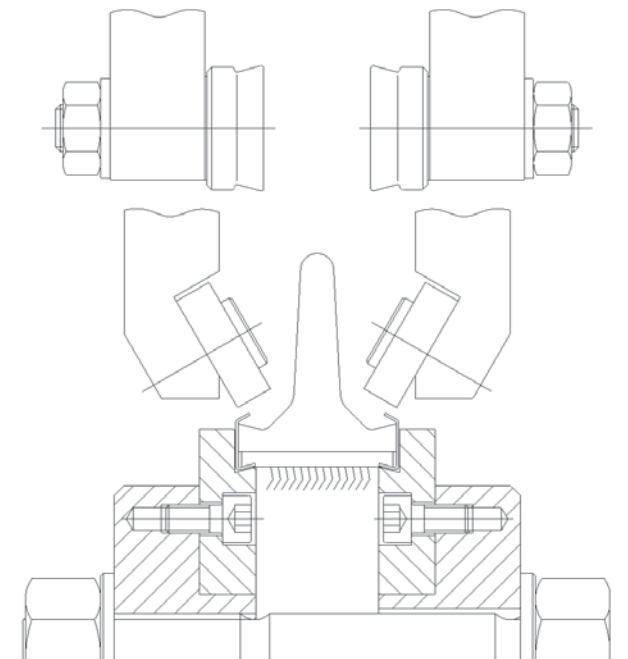
Customer advantages

- Optimum position of the flat clothing and accurate crimping of the flat clothing clip
- Highest precision in clipping with respect to the card-specific clipping rails and forming rollers
- Only individual (if any at all) flat clothings have to be equalized thanks to the high clipping quality
- Longer lifetime for flat clothings
- Ideal setting of the carding gap
- More constant nep values in the yarn
- Fast conversion to other types of flats
- Minimal servicing and maintenance work required

DAM 25 for 40" working width

DAM 25/1 for 40" to 60" working width

The automated DAM 25 and DAM 25/1 flat clipping machines allow even smaller and medium spinning mills to clip their flat clothings on cast iron or aluminum bars economically, efficiently and with the precision required today.



DAM 15 + DAM 15/1 – Flat clipping machine



Technical data

- Rating drive motor: 0.74 kW
- Compressed air pressure: 5–6 bar
- Speed of mounting slide: 4 m/min
- Weight DAM 15: 275 kg
- Weight DAM 15/1: 330 kg

Product details

- User-friendly
- Vertical clamping of the flat clothing by 4 or 6 pressure cylinders
- Ground clipping rails suitable for the flat type in question
- Clipping slide with spring-loaded roller units
- Pre-bending- and forming rollers for clips adjustable in width
- Maintenance-free ball screw drive
- Manual lateral clamping of flat bars
- Automatic clipping process
- CE conformity

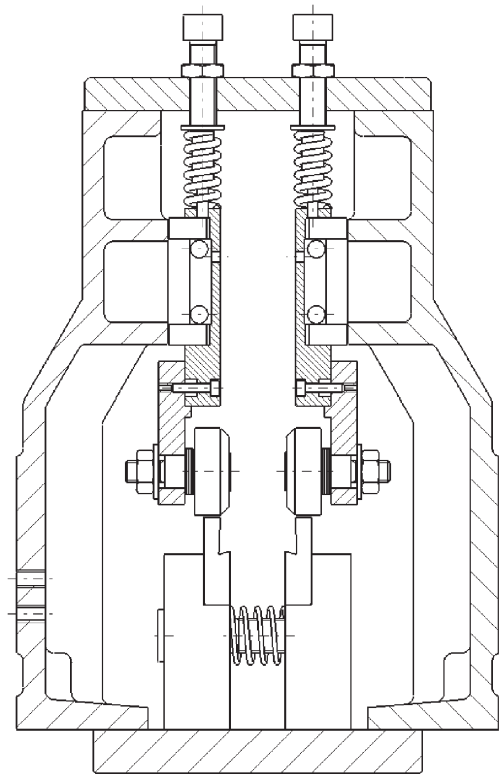
Customer advantages

- Optimum position of the flat clothing and accurate crimping of the flat clothing clip
- Highest precision in clipping with respect to card-specific clipping rails and forming rollers
- Only individual (if any at all) flat clothings have to be equalized thanks to the high clipping quality
- Longer lifetime of flat clothings
- Ideal setting of the carding gap
- More constant nep values in the yarn
- Fast conversion to other types of flats
- Minimal servicing and maintenance work required

DAM 15 for 40" working width

DAM 15/1 for 40" to 60" working width

Many of today's high-production cards are equipped with aluminum flat bars. The semi-automatic DAM 15 allows smaller spinning mills to also clip aluminium flat bars efficiently and correctly with the accuracy required.



DAM accessories*



Flat stripping unit

Product details

- Beam with 2 pneumatic clamping devices
- Stripping wedge for mounting to clipping slide

Customer advantages

- Prevents danger of twisting of the cast iron and aluminum bars when removing the worn clothings
- No damage to the glazed surface of the flat or the flat ends

* not available for DAM 100 and DAM 100/1



Control device for 40", 51" and 60" flat cards with and without clothing

Product details

- Precise measuring bar with digital or analog dial gauge
- Allows for precise measuring of the flats with or without clothing

Customer advantages

- Proof of quality of flat service
- Basis for the correct setting of the cards (lowest flat is known)

DABM – Flat stripping machine



DABM for 40" to 60" working width

The flat stripping machine is used for the gentle removal of worn flexible flat clothings from the aluminum and cast iron flat bars.

To date the stripping of flat clothings involved considerable and time intensive manual effort and possible damage to the flat bars, combined with the danger of accidents. To simplify this process and make it more economical, GRAF has developed the DABM flat stripping machine.

Technical data

- | | |
|----------------------------------|------------------|
| • Motor rating: | 1.4 kW |
| • Rating of motor cleaning unit: | 0.55 kW |
| • Speed of stripping wedge: | approx. 200 mm/s |
| • Weight: | 280 kg |
| • Compressed air supply: | 5–6 bar |

Product details

- Sturdy machine bed
- Steplessly adjustable from 40" to 60"
- Quick clamping with pneumatic clamping device
- Stripping wedge made of tempered steel, driven by ball spindle
- Maintenance-free three-phase AC motor with toothed belt
- CE conformity

Customer advantages

- Straight-forward, safe and efficient mechanical removal of the flat strips from the aluminum or cast iron flat bars
- Eliminates the efforts of stripping with pliers
- No damage to the flat bar
- Prevents danger of twisting of the flat bars





Grinding machines

Metallic card clothings as well as flexible flat clothings produced with the highest precision have a major impact on the carding quality. Only burr-free and precisely manufactured clothings will lead to the desired carding results and therefore make a major contribution to the consistency of the nep values and yarn quality. For this reason, Graf offers high-quality grinding machines, which allow all spinning mills to equalize or resharpen their clothings economically, efficiently and with the precision required today.

TSG – Traversing resharpening device



Technical data

- Motor rating: 0.09 kW
- Supply voltage: 230 V, 50/60 Hz, 1 phase
- Pressure of resharpening stone: 1 Newton
- Traversing speed cylinder: 6 m/min
- Traversing speed doffer: 1 m/min
- Total weight: 21 kg 40"
22 kg 51"
23 kg 60"

Product details

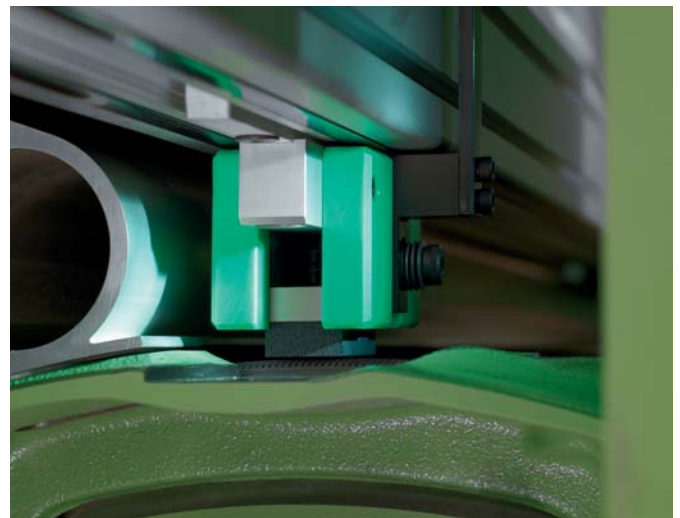
- Traversing grinding head with stationary ceramic stone
- Linear unit with drive motor and toothed belt for the traversing motion
- Two different traversing speeds for cylinder and doffer are preset and can be selected on the control box
- The traversing movements are monitored by a counter
- Easy and straightforward to operate even by unskilled personnel
- Maintenance-free grinding device
- CE conformity

Customer advantages

- Suitable for use on all high production and most conventional cards
- Precisely defined grinding pressure by spring pressure (prevents excessive grinding)
- Burr-free activating of the tooth points of cylinder and doffer wires leads to optimum carding results
- Multiple resharpening of the clothings is possible since the abrasion is minute and controlled (extended life time)
- The tooth points are activated evenly across the entire width of the card

TSG for 40" to 60" working widths

The activating of today's high-performance metallic card clothings calls for high demands on the maintenance personnel. It is extremely difficult, even for experts, to resharpen these very fine clothings burr-free with conventional grinding equipment. The resharpening of CUTTYSHARP clothings with such equipment is virtually impossible as the clothings made from this high alloy tool steel throw hardly any sparks during the resharpening process, therefore rendering any visual checking of the process impossible. Only the application of the TSG assures proper maintenance of these high quality metallic clothings.



ASG – Doffer resharpener device



Technical data

- Weight: 4.70 kg
- Length: 1'610 mm

Product details

- Manual traversing movement
- The lightweight aluminum construction and the chromium guide rails are corrosion resistant and maintenance free
- The integrated safety guard protects against accidents during the sharpening process
- Ball-bearing roller guides
- CE conformity

Customer advantages

- Uniform, optimal grinding pattern
- Reproducible resharpener
- Easy operation and installation
- Constant grinding pressure (spring loaded)
- Visible and open work area
- Increased work safety

ASG for 60" working width

The new ASG doffer resharpener device is designed for the activating and resharpener of doffer wires on Rieter C60 / C601 / C70 high production cards safely, burr-free and cost-efficiently. Only a correctly treated doffer wire assures the optimal transfer of the fibers from the cylinder to the doffer from the very beginning. Best possible quality in the card sliver is therefore guaranteed.



DSM 20 + DSM 20/1 – Flat grinding machine



Technical data

- | | |
|-------------------------------------|------------------------|
| • Rating motor drive: | 1.1 kW |
| • Speed of ceramic grinding roller: | 1410 min ⁻¹ |
| • Number of strokes of slide: | 50 / min |
| • Rating gear motor: | 0.18 kW |
| • Weight DSM 20: | 420 kg |
| • Weight DSM 20/1: | 610 kg |

Product details

- Very sturdy machine bed
- Card-specific grinding plates to match the inclination of the flat seatings
- Easy conversion from 40" flats to 60" flats (DSM 20/1)
- Precision anti-friction slide and ingenious design of the traversing motions of both the grinding roller and the flat bar
- The combined control and truing device, included in the scope of delivery, allows the straightness of the flat clothings to be measured accurately as well as the expedient truing of the grinding roller
- CE conformity

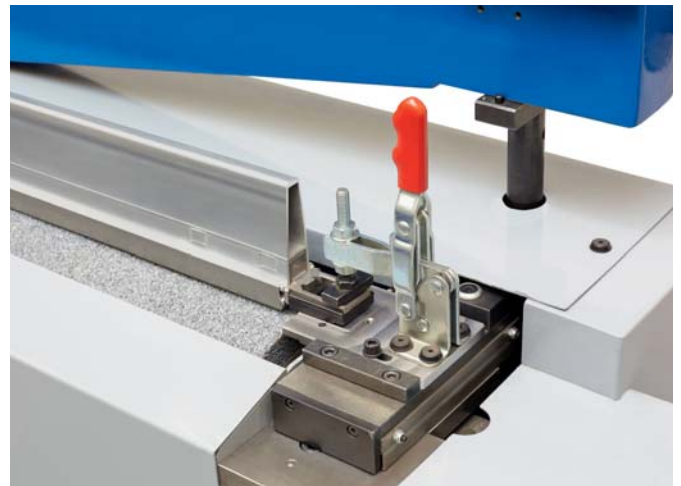
Customer advantages

- Precisely straight flat clothings following initial equalizing
- Ideal setting of the carding gap and therefore highest carding quality achievable

DSM 20 for 40" working width

DSM 20/1 for 40" to 60" working width

Burr-free flat clothings, equalized straight with utmost precision are imperative to achieve best possible carding results. For this reason, Graf has developed the DSM 20 and DSM 20/1 grinding machines which let all spinning mills equalize or resharpen their flat clothings economically, efficiently and with the precision required today.



DSW – Flat grinding roller



DSW for 40", 51" and 60" working width

The flexible flat clothings produced with the highest precision have a much bigger impact on the carding quality than the cylinder clothing. The number of neps in the card sliver is mainly influenced by the state of the flat clothings.

Graf has developed the DSW flat grinding roller for equalizing flat clothings. The roller makes it possible to equalize clothings economically, efficiently, and with the required precision. Flat clothings can be resharpened with the DSW up to 4 times, thus contributing to a large degree to constant nep values and the yarn quality.

Technical data

- Rating drive motor: 0.75 kW
- Motor speed: 1400 min⁻¹
- Weight of motor drive: 15 kg
- Grinding roller speed: 800 min⁻¹
- Weight without drive: 28 kg

Product details

- Light weight aluminum roller with feed slide and fine adjustment
- Card-specific supports for the attachment of the grinding roller
- A traverse gear ensures even abrasion in the resharpening process as well as even wear of the emery fillet
- Maintenance-free three-phase AC motor
- Additional transport truck is available
- CE conformity



Customer advantages

- The grinding roller is clothed with an emery fillet
- The tooth points are resharpened from the back
- Flat clothings can be efficiently resharpened a number of times
- Noticeable improvement in the consistency of the nep values in the yarn

TSA – Traverse wheel grinder



TSA for 40" and 60" working width

The TSA was developed for the purpose of grinding of all traditional metallic card clothings on conventional cards and their rollers. Only burr-free and precisely ground clothings will lead to the desired carding results.

Technical data

- Rating drive motor: 0.74 kW
- Motor speed: 1400 min⁻¹
- Weight of motor drive: 10 kg
- Speed of grinding head: 800 min⁻¹
- Grinding head traversing speed: 4 m/min
- Weight without drive
 - for 40": 47 kg
 - for 60": 71 kg

Product details

- Precision-ground guide tube with grinding head and needle bearings
- Traversing motion of the grinding head by means of a built-in cross-spindle and the tempered dog
- Maintenance free, slip-on three-phase AC motor
- Blue Vitomarin ceramic grinding stone
- CE conformity

Customer advantages

- This most accurate grinding device guarantees straight cylinders and doffers irrespective of possible run-out of the bare roller
- Easy and straightforward installation with the existing card-specific grinding bracket



GSA – Bare cylinder grinder



Technical data

- Rating drive motor: 0.74 kW
- Motor speed: 1400 min⁻¹
- Weight of motor drive: 10 kg
- Speed of grinding head: 800 min⁻¹
- Grinding head
traversing speed: 1 m/min
- Weight without drive: 47 kg 40"
71 kg 60"

Product details

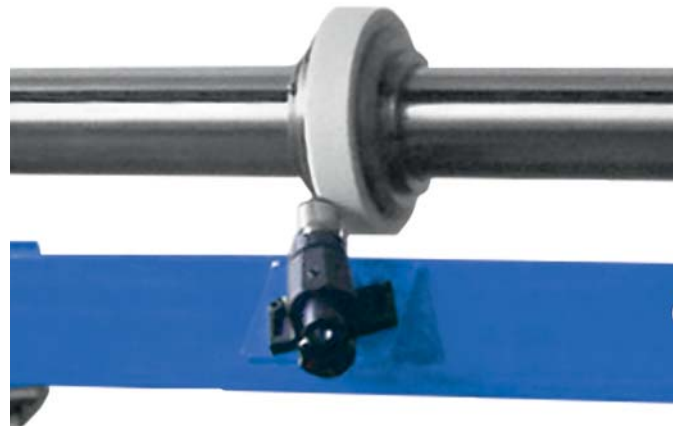
- Precision-ground guide tube with grinding head and needle bearings
- Traversing motion of the grinding head by means of a built-in cross-spindle and the tempered dog
- Maintenance free, slip-on three-phase AC motor
- White Vitoneva ceramic stone
- CE conformity

Customer advantages

- No unnecessary grinding of tooth points required at the time of initial equalizing as a result of the very precise roller bodies
- Easy and straightforward installation with the existing card-specific grinding bracket (only for 40" working width)
- The narrow grinding stone prevents deformation of the rollers caused by excessive heat

GSA for 40" and 60" (Rieter) working width

The bare cylinder grinder is applied for rectifying bare cylinders and doffers which do not conform to the maximum tolerances with respect to straightness and true-run. To obtain best possible carding efficiency, deviations in the run-out of the rollers must not exceed 0,02 mm.





Milling machines

The flat end milling machines are used to re-mill the seatings (left/right) of the cast iron and aluminum flat bars after a certain degree of wear in order to guarantee an optimum position of the flats on the flat bend. This makes it possible to set the flats ideally again, which results in a longer lifetime of the flat clothings and a better carding quality.

DKF 10 – Flat end milling machine



Technical data

- Compressed air pressure: 6 bar
- Motor rating: 1.1 kW
- Spindle speed HSS: 260 min⁻¹
- Spindle speed HM: 430 min⁻¹
- Spindle speed plastics milling machine: 1250 min⁻¹
- Rating feed motor: 0.25 kW
- Weight: 435 kg

Product details

- Exchangeable milling templates allow for superior precision and fast switching between the different flat types
- Pneumatic clamping device for all types of flat bars
- Automatic lowering and lifting of the milling head
- Automatic control of milling and return motion
- Optimum feed speed during milling process
- Selection of two speeds offers the choice of either HSS or carbide-tipped milling cutters
- Milling of the hollow (if required) in one process
- Economic and efficient in application
- CE conformity

Customer advantages

- Universal application for all types of cast iron bars and aluminum flat bars
- Fast switching to different flat types

DKF 10, for 40" to 60" working width

The seatings of the cast iron/aluminum flat bars (plastic glide shoes) have to be re-milled from time to time since they are subject to wear and running-in to a varying degree. To allow the milling of the seatings with the precision required, GRAF has developed the semi-automatic flat end milling machine DKF 10.



ESM 150 – Flat shoe milling device



ESM 150 for Rieter 60" cards

The seatings of the synthetic flat shoes of the aluminum flat bars have to be re-milled/replaced from time to time since they are subject to wear and run-in to varying degrees, Graf offers a compact and simple machine for this purpose. Independent and straight-forward single-step milling of the flat shoes of Rieter C 60, C70 and C601 cards.

Technical data

- Length: 1'990 mm
- Width: 490 mm
- Height: 450 mm
- Weight: 210 kg
- Power supply: 220 V / 400 V

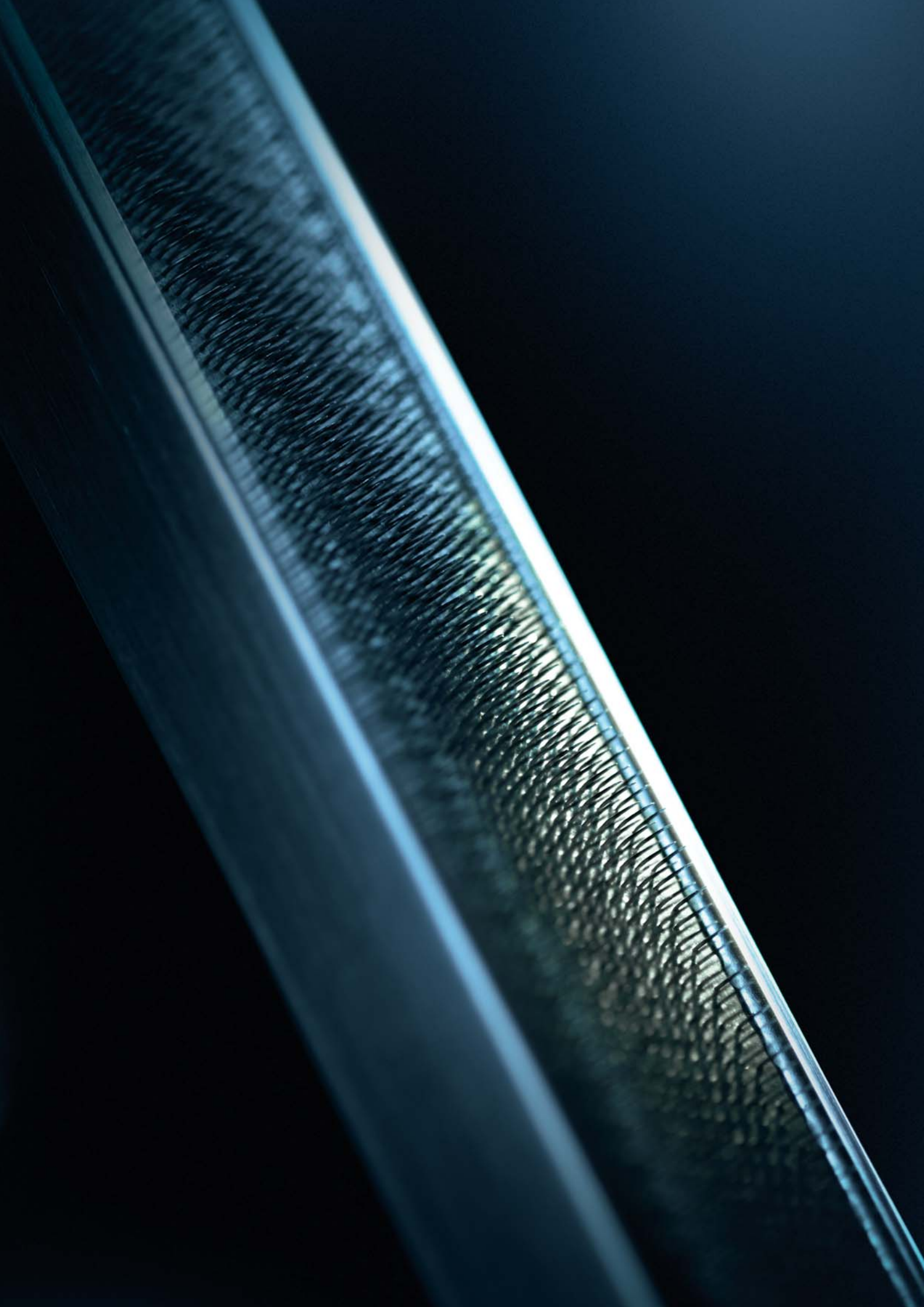
Product details

- By reworking the flat shoes in a single clamping step of the flats, the shoes can be restored very accurately and rapidly
- The flat shoe milling device is compact and space saving
- CE conformity

Customer advantages

- Milling flat of shoes with single step clamping of the flat bar
- The setting behavior of the flats is significantly improved thanks to the milling
- Low capital costs
- Easy operation
- Compact, slim machine







Cleaning equipment for flat clothings

Safety, more innovative processes and the resulting time savings are important factors when it comes to purchasing a cleaning machine for the card. The Graf cleaning equipments not only simplify the process by eliminating the need for manual cleaning, but also provide for work safety. The automated cleaning process eliminates the need for manual work which has been proven to save time and make a significant contribution to maintaining carding quality for regular application.

ASW – Stripping roller



ASW for 40" and 60" (Rieter) working width

The stripping roller is used for the cleaning of flat clothings. When processing cotton with high honey dew or trash content the stripping of flat clothings may become imperative. This applies in particular if the cleaning efficiency of the blow room, or the flat cleaning in case of older types of cards are not sufficient.

Technical data

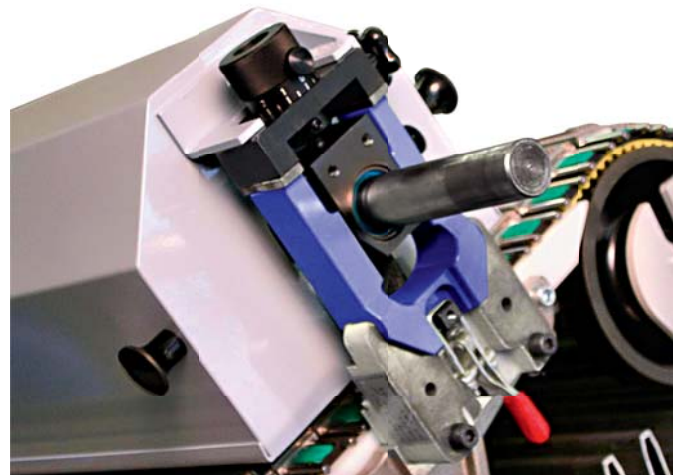
- Motor rating: 0.75 kW
- Motor speed: 1450 min⁻¹
- Roller speed: 136 min⁻¹
- Weight of motor drive: 10 kg
- Weight without motor: 22 kg

Product details

- Simple and safe installation on all cards on which the flat clothings can be equalized with the DSW on the card
- Flat clothings are cleaned with a stripping fillet
- Suction hood for connection to the central suction system of the card (card-specific)
- The ASW is driven by a maintenance free three-phase AC motor
- CE conformity

Customer advantages

- Simple application for cleaning flat clothings
- Eliminates the tedious cleaning with hand stripping cards
- Improved carding performance and better CV% in the sliver
- Easy handling due to light weight execution in aluminum

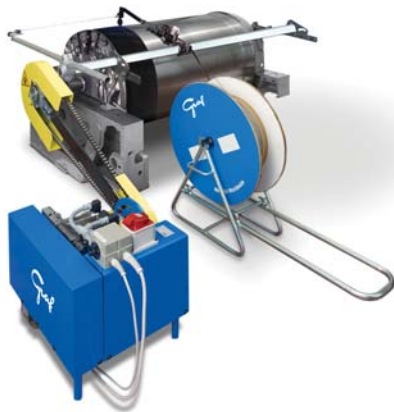




Service machines – Nonwoven

Roller cards have other characteristics than flat cards. Therefore, the demands for service needs differ relating to widths, fibers processed and installed clothings. Graf has developed in-house the corresponding solution for all service needs on roller.

GAV – Metallic wire mounting equipment



Technical data

- Rating GAV drive: 1.5 kW
- Weight GAV drive: 89 kg
- Rating butt welder: 2.0 kW
- Weight butt welder: 15 kg
- Rating stripping reel: 0.75 kW
- Weight stripping reel: 4 kg

Product details

- The GAV upper part consists of tensioning device, dressing and pre-bending rollers
- There is a choice between press-on roller or press-on finger for the wire mounting
- The lateral pressure, by means of rope and weight with return safeguard, guarantees tight fitting of the individual wire threads
- The drive unit consists of a reversible drive motor with hydro-static variator with electric remote control
- Stepless selection of the required speed from 0–200 min⁻¹
- Universal clamping sprocket with three-jaw chuck, adjustable for shaft diameters from 30 – 120 mm
- Reel stand with shaft and run-off brake for the new clothing coils
- Mounting tools comprising 300 Watt soldering bit, soldering material and chisel are included in the basic equipment
- CE conformity

Customer advantages

- The fine adjustment of the tensioning device allows even inexperienced operators to correctly set the mounting tension based on the base width and the type of roller card
- The purposeful array of dressing and pre-bending rollers ensures that even clothings with small base widths stand upright

GAV

GAV is the abbreviation for the versatile mounting device for standard and interlinked metallic card clothings for all known roller card types. The modular system allows for the ideal combination, depending on the needs.



GAV accessories



Butt welder

The butt welder is used to weld all types of metallic card clothings as well as aluminum base wire.



Stripping reel

The stripping reel is used for simple, proper and safe stripping of worn clothings.

UAV 25 – Universal clothing appliance



Technical data

- Weight complete basic equipment: 270 kg
- Weight drive 89 kg
- Rating GAV drive: 1.5 kW

Product details

- Available for working widths of 2.5 m (single-unit aluminum profile) – 3.5–4.5 m (two-part aluminum profile with connecting pins)
- Brackets for rollers of up to 700 mm outside diameter
- Aluminum guide beam with support for the mounting slide with the GAV upper part for the installation work on the UAV 25 or for attachment to the roller card (not included in basic equipment)
- Universal clamping sprocket with three-jaw chuck, stepless adjustment for shaft diameters from 30–120 mm (not included in basic equipment)
- The GAV is not included in the UAV basic equipment
- The drive unit, furnished with casters, consists of a reversible drive motor with hydrostatic variator with electric remote control, stepless selection of the required speed between 0–200 min⁻¹ (not included in basic equipment)
- CE conformity

Customer advantages

- Light and yet very sturdy execution made from aluminum profile material
- Modular construction of the clothing appliance
- Easy and safe mounting of wires outside of the roller cards
- All plain rollers can be reclothed economically and efficiently with standard as well as interlinked clothings
- The modular system allows the use of existing GAV parts (GAV upper part, drive unit)

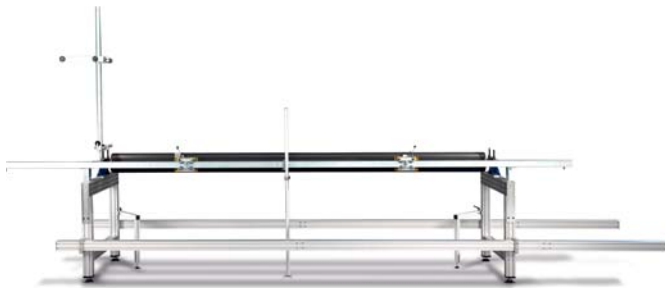
UAV for 1.5–4.5 m working width

The UAV 25 clothing appliance is universally applicable for the reclothing of all smaller rollers off the roller card. It allows the economic and efficient mounting of metallic card clothings on to all plain rollers with the necessary accuracy.

The GAV drive is required to operate the UAV 25.



TRG 20 – Traversing cleaning device



TRG 20 up to 4.5 m working width

The TRG 20 is a modern device for cleaning metallic card clothings directly on the roller card, on the UAV 25 or similar frames. Impurities embedded between the rows of teeth such as spinning lubricant, melted fibers, plant particles, etc. are gently removed by the cleaning blade.

Technical data

- Weight: 64 kg (depending on the length)

Product details

- Cylinder and doffer rollers are cleaned on the roller card, rollers with smaller diameters are cleaned on suitable supports off the roller card (e.g. on UAV 25)
- For more efficient cleaning of rollers of large working widths, it is possible to apply two cleaning heads simultaneously
- We recommended using the GAV drive unit to drive the rollers
- In case of damaged, bent teeth or excessively embedded material the blade automatically retracts shortly to return to the correct working position
- CE conformity

Customer advantages

- Soiled rollers are cleaned mechanically on the roller card
- The risk of accidents is reduced since the manual cleaning is eliminated
- Increased work safety





Service and quality



As a DIN EN ISO 9001:2015-certified company, we produce card clothings according to the latest quality assurance principles. As our customer, you can rely on the consistently high quality standard of Graf's high-performance clothings, worldwide.

Increasing demands on performance while retaining steadily high levels of quality pose high demands on the products in terms of strain, hardness and stability. To meet these requirements, we continuously implement measures of improvement in everyday operations.

Ongoing checks, such as the inspection of incoming goods, material and process inspections and production monitoring form an integral part of our quality assurance. Thanks to the high level of vertical integration, we always retain 100% control of our manufacturing processes.

Individual, sustainable solutions

The choice of the correct clothing is of key importance to high productivity, quality and economic efficiency. The large variety in rollers and specific applications in the short staple and long staple sector requires experienced specialists.

Qualified Graf specialists (TKB) competently advise and support you in selecting the application-specific clothings, and work with you to develop a solution that is in line with your requirements and expectations. Long-standing experience in the textile sector and continuous further education make our specialists the crucial factors for the success of spinning mills, nonwoven manufacturers and machine builders.

Today's flat cards and roller cards place the highest demands on the clothings and their maintenance. To ensure trouble-free operation in the spinning mill/nonwoven manufacturing plant, you can always call upon our worldwide service network with our qualified service specialists. This considerably reduces downtimes and the related high costs.

Your quality benefits:

- Worldwide service stations enable on-site mounting and setting
- Short downtimes thanks to the use of experienced assembly and service teams
- Rather than standard solutions, we provide custom-made quality products tailored to your needs
- Our competent support, combined with our high-quality products make us your ideal partner in fiber processing

Notes

