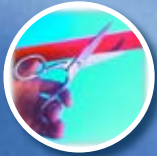


Manual Cutting Machines



It's all down to the right cut!



www.kuris.de

Small cutting machines with power and endurance...

Contents

Introduction..... 3

Novita rotating blade machines

Novita Standard..... 4-5
Novita Plus 6-7
Novita Super..... 8-9
Novita Jet..... 10-11

Rechargeable rotating blade machines

MB-60..... 12-13

BOM rotating blade machines

BOM 30..... 14-15
BOM 101 / S / Power..... 16-17

KRS rotating blade and four-arc cutting machine

KRS 550..... 18-19

KSM rotating blade machine

KSM 200 L / R..... 20-21

KVS/KV straight-knife cloth cutters

KVS 700..... 22-23
KVS 900..... 24-25
KV 1602/2002..... 26-27

 Innovative products in
HIGH-TECH QUALITY

 It is difficult to imagine cutting and spreading without
Kuris handheld cutting machines.

 The machine has to cater for the operator's
method of working and not the other way round.

Small cutting machines

Make the step towards a better cut

Fit in the cutting industry starts with accurately cut material or technical textiles. Seldom has a handheld cutting tool been so keenly tailored to the cutter. Cutting thick layers, into tight corners, at acute angles—this is precisely what the machines are designed for. The quality of the cut—that is decided by: the cutter and the cutting blade. Kuris' new small cutting machines glide easily through the fabric; they produce a cleaner cut and are more manageable.

Today, rotating blade machines are used primarily for straight, long cross cuts. Thanks to the smooth, clean cut they are also excellently suited to knitted goods and knitwear as well as linings and other materials that are susceptible to fraying and the build-up of fluff. There are also various applications in the manufacture of upholstered furniture and mattresses (cutting upholstery and diol fabrics etc.) in felt, cotton wool and dressing material, blanket, carpet and bodywork factories. The rotating blade gets its cutting effect in combination with the jaw with knife-edged joints fitted to the base plate. The integrated grinding device resharpens the blade. Steel blades with a higher service life can be supplied for extreme loads. The finger guard provides safety when cutting and offers protection against injuries.

The drive motors can be designed for DC and AC current. If required, Kuris rotating blade machines can be fitted with a four-arc knife and counter blade for cutting plastic material and rubber etc. The special half-speed or multiple speed motor is then recommended. The machine can then be fitted with a blade damping device to prevent the knife from becoming encrusted with cutting residues.

Straight-knife cloth cutters

Sharp, quick, convenient application. Easy and reliable to operate.

Kuris straight-knife cloth cutters with cutting heights of 70 to 210 mm are the ideal tools for all cutting operations.

From pattern-making through to cutting multiple layers, they are suitable for all flexible surface structures, such as textiles, knitwear and knitted goods, technical textiles and special materials, such as films, felt, Skai branded films and soft leather etc.

The machines excel in being able to keep to the curves. Thanks to its particularly narrow and low construction, the machine provides good visibility of the blade. A special coating offers excellent glide properties and considerable wear resistance.

The machine has to cater for the operator's method of working and not the other way round.

Sliding handle, carrying handle presser handle, on/off switch and sharpening tool activation are optimally configured. The machines are carefully balanced and easy to manage. Whoever works with them feels they are an extension to themselves. The blade is sharpened on both sides as it is lifted up and down. Unusually even and exact. The layers of material are therefore always cut cleanly, free from fraying right down to the bottom layer of material.

An important feature (especially with the KVS 900) is that it is not possible for the grinding equipment drive to be damaged when the grinding attachment comes up against an obstacle (e.g. a layer of material).

Who needs these strong and flexible machines?

Ladies, gentlemen and childrens' clothing, sports and professional clothing factories, linen, knitwear and hosiery production, stocking makers, bed linen, bed and quilt makers, curtain and home décor material production and the entire home decoration sector, upholstered furniture industry, saddlers, tanneries, leather manufacturers, glove manufacturers, hat and bonnet production, toys and dolls' clothes manufacture.

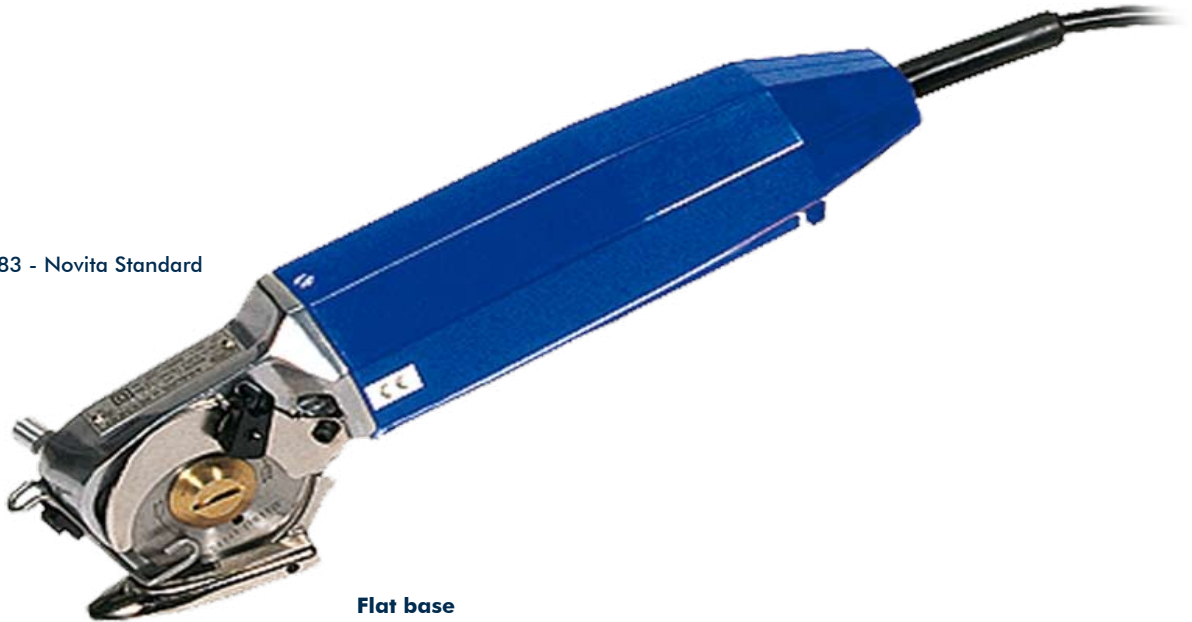
Workshops of public authorities, hospitals, weaving mills, home textiles, tie manufacturers, handcraft industry, slip-cover manufacturers, dockyard and ship rigging, carpet factories, large book binders, fibre glass processing companies, woven felt factories, automotive, shoe-makers, pushchair manufacturers, manufacturers of camping articles, caravan manufacturers, fur processors, paper board factories, office furniture manufacturers and fisheries.

Several advantages at a glance:

- Excellent handling
- Lower cutting resistance
- Lower power requirement
- Better around curves
- Better cutting speed

Novita Standard

33283 - Novita Standard



Flat base

For cutting all kinds of materials in the outer wear industry

Novita Standard

Application area

Effortlessly clean and without considerable technical investment you are therefore able to cut all manner of textiles and soft leather. There are applications for single layer and multiple layer cutting, particularly for cutting templates and patterns. Also ideal for trimming defective parts, for cutting knitwear and knitted goods straight and curtains, upholstery and decorative fabrics true to form, even for an unconventional application. Icelandic fishermen separate the tail fins of plaice and other fish using the Novita Standard. The lubricator decreases friction between the blade and counter blade, enabling laminated goods to be cut.

The Novita Standard is fully insulated and VDE tested. A special combination gear mechanism gives the machine a unique motor speed strength across the entire load range. The motor only gets moderately warm, preventing overload and guaranteeing the highest protection and service life. The blade guard in warning colour is easily and infinitely adjustable and does not obscure blade visibility. The operating handle for the grinding device has been shaped in such a way that the blade can be sharpened using one hand, even during the cutting operation. Handling and management of the machine is easy and balanced. There is the option of three bases depending on the application: the skid base, flat base or the skid base with protective ball.

Technical data

Motor power: approx. 56 watts
Motor data: 220 V / 50 Hz
Operating time: 60 %
Motor speed (idle): approx. 11,000 rpm
Motor speed (idle): approx. 2600 rpm
Blade diameter: 50 mm
Knife wear limit: approx. 42 mm
Cutting height, max.: 8 mm
Motor diameter: approx. 50 mm
Machine length: approx. 230 mm
Machine weight, excluding cable: approx. 850 g
Vibration: < 2.5 m/s
Running noise: 73 dB(A)

25508 - Skid base



For cutting thicker materials (upholstery etc.) and for an exact template cut.

28456 - Skid base with protective ball



For cutting delicate materials (no fibre damage).

Novita Plus

56715 - Novita Plus



Flat base

For cutting all kinds of materials in the outer wear industry

Novita Plus

Application area

A particularly convenient and lightweight machine for cutting all kinds of textiles for layers up to approx. 8 mm high, depending on the type of material. Especially suitable for wool and soft materials. Either the flat base or the cutting skid may be used. The lubricator decreases friction between the blade and counter blade, enabling laminated goods to be cut.

The Novita Plus is fully insulated and VDE tested. A special combination gear mechanism gives the machine a unique motor speed strength across the entire load range. The motor only gets moderately warm, preventing overload and guaranteeing the highest protection and service life. The blade guard in warning colour is easily and infinitely adjustable and does not obscure blade visibility. The operating handle for the grinding device has been shaped in such a way that the blade can be sharpened using one hand, even during the cutting operation. Handling and management of the machine is easy and balanced.

Technical data

Motor power: approx. 56 watts
Motor data: 220 V / 50 Hz
Operating time: 60 %
Motor speed (idle): approx. 12,400 rpm
Motor speed (idle): approx. 3000 rpm
Blade diameter: 50 mm
Blade wear limit: approx. 42 mm
Cutting height, max.: 8 mm
Motor diameter: approx. 50 mm
Machine length: approx. 230 mm
Machine weight excluding cable: approx. 850 g
Vibration: < 2.5 m/s
Running noise: 73 dB(A)

Novita Super

33294 - Novita Super



Flat base

For cutting all kinds of materials in the outer wear industry

Novita Super

Application area

The „Novita Super“ provides concentrated force to withstand heavy and even the most difficult of loads. The cutting performance is 10 x greater than that of the Novita Standard version. Particularly handy and lightweight machine for cutting all types of material in layers up to approx. 8 mm high, depending on the material.

Particularly suitable for needled felt, Skai branded films, soft leather and upholstery cover materials. The lubricator reduces friction between the blade and the counter blade, enabling laminated goods to be cut. Cutting machine for template and pattern making, cutting single layers, re-cutting defective parts, straight cutting true to form, light load (outer wear materials, knitted goods and knitwear, curtain, upholstery and decoration fabrics etc.).

Technical data

Motor power: approx. 56 watts
Motor data: 220 V / 50 Hz
Operating time: 60 %
Motor speed (idle): approx. 12,500 rpm
Motor speed (idle): approx. 1500 rpm
Blade diameter: 50 mm
Blade wear limit: approx. 42 mm
Cutting height, max.: 8 mm
Motor diameter: approx. 50 mm
Machine length: approx. 260 mm
Machine weight excluding cable: approx. 1,000 g
Vibration: < 2.5 m/s
Running noise: 73 dB(A)

25508 - Skid base



For cutting thicker materials (upholstery etc.) and for an exact template cut.

28456 - Skid base with protective ball



For cutting delicate materials (no fibre damage).

Novita Jet

33278 - Novita Jet



Flat base
For cutting all kinds of materials in the outer wear industry

Novita Jet

Application area

The Novita Jet is a modified version of the Novita-Standard, however compressed air operated. It provides ease of use and increased performance everywhere where no electrical connection is possible for safety reasons, e.g. in wet areas. Untiring and reliable just like all Kuris' NOVITA cutting machines.

The lubricator reduces friction between the blade and the counter blade, enabling laminated materials to be cut.

The Novita Jet is driven by compressed air. Therefore every safety risk is eliminated (overload and the electric motor burn out).

The motor cannot overheat even at a constant output and capacity overload. The outlet air is evacuated to the rear through a double-walled tube—inner tube for supply air; outer tube for discharged air and released into the atmosphere far away from where the cutter is working. It therefore no longer presents a disruption to anyone, either as a result of draughts (air swirls, cold effect, circulating fluff) or even by whistling.

Technical data

Motor power: 0.15 kW

Motor speed (idle): approx. 1900 rpm

Operating pressure: 6 bar (max)

Tube width, clearance: 6 mm

Air consumption at nominal load: 0.25 Nm³/min

Cutting height, max.: 8 mm

Housing diameter: 38 mm

Machine length: approx. 220 mm

Machine weight, excluding tube: approx. 0.9 kg

25508 - Skid base



For cutting thicker materials (upholstery etc.) and for an exact template cut.

28456 - Skid base with protective ball



For cutting delicate materials (no fibre damage).

RECHARGEABLE cutting machine MB-60

68032 - RECHARGEABLE cutter MB-60



Flat base

For cutting all kinds of materials in the outer wear industry

RECHARGEABLE cutting machine MB-60

Application area

The RECHARGEABLE MB-60 offers the user considerably greater mobility and convenience during operation. The particularly convenient and lightweight machine is suitable for cutting all kinds of textiles for layers up to approx. 8 mm high, depending on the type of material.

Also ideal for wool and soft materials. The lubricator reduces friction between the blade and the counter blade, enabling laminated goods to be cut.

The machine offers a good mechanical operating ratio. At the fore are the MB-60's compact size and light weight.

Quick battery changes are very easy. The machine comes with a charger as standard.

Technical data

Motor voltage: 9.6 V

Idle running speed: 1200 min/1

Weight including battery: 1.2 kg

Type of battery: NiCad

Nominal voltage: 9.6 V

Capacity: 1.2 AH

Battery weight: 0.5kg



MB-60-52 charger

The machine comes with a charger as standard.

BOM 30

33028 -BOM 30



BOM 30

Application area

A particularly convenient and lightweight machine for cutting all kinds of textiles for layers up to approx. 25 mm high, depending on the type of material. Especially suitable for wool and soft materials. The lubricator reduces friction between the blade and the counter blade, enabling laminated goods to be cut.

For universal use for cutting single and multiple layers, light to medium load (traditional clothing materials, such as knitted goods, knitwear and decorative fabrics etc.)

Also available with an extended handle (also with automatic ON/OFF switch) and special base for aluminum track for trimming endless fabric.

Benefits:

With the BOM 30 series of electric handheld cutters, the cutting effect is produced by a six-arc blade in conjunction with a sprung-loaded adjacent counter blade. This cutting principle enables good cutting performance at relatively low blade speeds.

Individual layers of the finest materials and layers of material up to a cutting height of 25 mm can be cut equally well. High traction force thanks to a robust motor with a high power margin. Optimal blade propulsion across synchronous belts and cylindrical gears with excellent operating efficiency. Practically maintenance-free thanks to a special seal. Highest performance and service life due to very low heat generation in the motor and gears.

Sturdy reliability thanks to the sprung-loaded counter blade. With carbide counter blade and HSS blade for heavy materials on request. Every machine possesses an adjustable finger guard based on employers' liability insurance regulations. Not susceptible to contaminants, threads and fluff thanks to the special development and construction of the support and gear mechanism housing.

Technical data

BOM 30 / BOM 30 S input motor power: approx. 140 watts

Motor data: 230 V / 50 Hz

Motor speed (idle): approx. 8000 rpm

Motor speed (idle): approx. 1000 rpm

Blade diameter: 80 mm

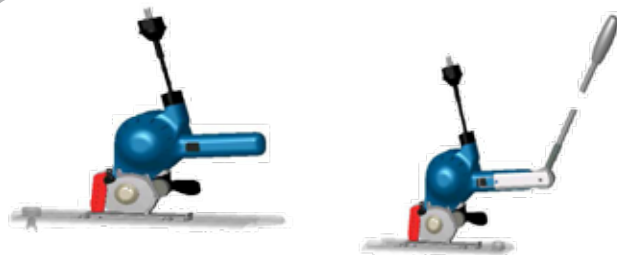
Blade wear limit: approx. 72 mm

Cutting height, max.: approx. 27 mm

Vibration: < 2.5 m/s

Running noise: 73 dB(A)

Weight: 2.2 kg excluding cable



The BOM 30 SK and BOM 30 SL versions are supplied with a special base that is fed into an aluminum profile track. The BOM 30 SL with the long handle and automatic on/off switch is particularly suitable for trimming endless fabric.

BOM 101



54856 - BOM 101
49095 - BOM 101 Power

BOM 101

Application area

A particularly convenient and lightweight machine for cutting all kinds of textiles for layers up to approx. 25 mm high, depending on the type of material. The fortified „**Power**“ **version** is particularly suitable for jeans, leather and rigid fabrics as well as industrial fabrics. The lubricator reduces friction between the blade and counter blade, enabling laminated materials to be cut.

Benefits:

With the BOM series of electric handheld cutters, the cutting effect is produced by a four-arc or six-arc blade in conjunction with a sprung-loaded adjacent counter blade. This cutting principle enables good cutting performance at relatively low blade speeds. Individual layers of the finest materials and layers of material up to a cutting height of 25 mm can be cut equally well.

High traction force thanks to a robust motor with a high power margin. Optimal gear mechanism made from a special alloy with excellent operating efficiency and simple maintenance. Practically maintenance-free thanks to a special seal.

Highest performance and service life due to very low heat generation in the motor and gear mechanism.

Sturdy reliability thanks to the sprung-loaded counter blade, especially for heavy materials.

Not susceptible to contaminants, threads and fluff thanks to the special development and construction of the support and gear mechanism housing.

Easy to operate

Light handling and handy machine controls in all cutting positions thanks to the „bone grip“. Grinding device very easy to operate thanks to the ideal configuration of the operating element. Optimal view of the workpiece thanks to the oval shape of the housing. Very low running noise. Quick blade change thanks to easy and very accessible blade fixing.

Technical data

Motor data: 230 V / 50 Hz

BOM 101, BOM 101 S motor power: approx. 200 watts

Motor power of the BOM 101 Power, BOM 101 S Power: approx. 238 watts

Motor speed (idle): approx. 10,000 rpm

Motor speed (idle): approx. 750 rpm

Blade diameter: 100 mm

Blade wear limit: approx. 93 mm

Cutting height, max.: approx. 25 mm

Vibration: < 2.5 m/s

Running noise: 73 dB(A)

Weight: 3 kg

54588 - BOM 101 SK
56027 - BOM 101 SK Power



54589 - BOM 101 SL
56028 - BOM 101 SL Power



The BOM 101 SK and BOM 101 SL versions are supplied with a special base that is fed into an aluminum profile track. The BOM 101 SL with the long handle and automatic on/off switch is particularly suitable for trimming endless fabric.

KRS 550

33425 - KRS 550



KRS 550

Application area

The KRS 550 model of the KURIS cutting machine can be supplied as a rotating blade or four-arc machine with counter blade. It is possible to convert a rotating blade machine to a four-arc blade machine or vice versa using an appropriate unit.

KRS 550 with rotating blade

1. For cutting all kinds and designs of textile materials.
2. Particularly suitable for cutting knitwear and knitted goods and quilted materials that tend to fray easily or produce fluff.

KRS 550 with four-arc blade and counter blade

1. For cutting synthetic materials that tend to be over a certain height for bonding cut edges.
2. For cutting plastic materials (Skai branded films etc.)
3. For cutting laminated flooring.
4. For cutting synthetic rubber interwoven materials (also rubber or soft rubber up to a certain height).

The KRS 550 can be fitted with a blade damping device to prevent the blade from becoming encrusted with cutting residues. A Teflon-coated blade is recommended for cutting particularly critical material, e.g. asbestos.

Technical data

KRS 550 model

(Max.) cutting height in mm 55

Blade diameter in mm 120

Weight of the machine in kg 10.5

Blade wear limit: approx. 93 mm

Running noise <70 dB(A)

Weight: 10.5 kg

	A.C. 400V, 50 Hz	change-pole 400V, 50 Hz	
Motor power in watts	370	200	280
Motor speed rpm	2800	1400	2800
Motor speed rpm	1140	570	1140

KSM 200 Q L/R



- 33326 - KSM 200 right
- 33327 - KSM 200 left
- 53648 - KSM 200 cross cutter
- 53647 - KSM 200 left
- 53646 - KSM 200 right

KSM 200 Q L/R

Application area

Edge and middle cutters for special applications, individual customer solutions or special machine construction.

The KSM 200 in left-hand and right-hand design (53327 or 33326)

The KSM 200 machines have a rotating blade made from tool steel, a grinding device with two sharpening edges and **no** base plate. We recommend the rotating blade in HSS quality for certain types of cut.

You can distinguish between left and right by looking at the machine from the side of the blade. If the grinding device is located on the left, this is a left-hand version. If the grinding device is located on the right, this is right-hand version.

Left-hand and right-hand versions of the KSM 200 L (533647 or 533646)

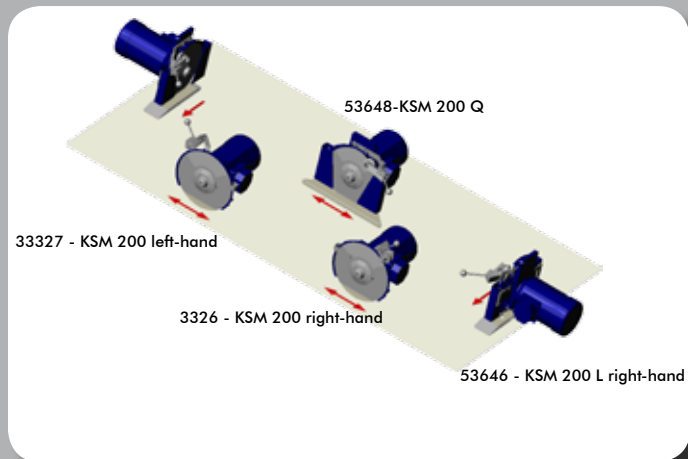
The ,L' stands for lengthways cutter. Even this machine is constructed in a left and right-hand version, i.e. for use as a pair for trimming endless fabric etc. The KSM 200 L possesses an HSS quality four-arc blade, a coordinated unilateral grinding device and a base plate with counter blade, i.e. it can only cut in the one direction.

KSM 200 Q (53648)

The ,Q' stands for lengthways cutter. This machine also has an HSS quality four-arc blade, unilateral grinding device and, in contrast to the KSM 200 L model, a base plate with two counter blades, enabling the KSM 200 Q model to cut in both directions.

	Standard version	1. Option (on request)	2. Option (on request)
Motor data:	018kW 230/400V 1.2/0.7 A 50 (60)Hz	0.37kW 230/400V 2.2/1.27A 50Hz	0.37kW 230/400V 1.61/0.92A 50(60)Hz
Speed	1350 1/min (1650 1/min)	1350 1/min	2800 1/min (3335 1/min)

53647 - KSM 200 L left-hand



KVS 700



57694 - KVS 700 UVV

KVS 700

Application area

The ideal machine for all cutting operations, from pattern making to cutting multiple layers, with maximum cutting heights of 8 to 210 mm, for flexible surface structures such as textile fabrics, knitted goods and knitwear, technical textiles and special materials such as films, felt, Skai branded films and soft leather etc.

The KVS 700 straight-knife cloth cutter bridges the former gap between electric handheld cutting machines and conventional straight-knife cloth cutters for thick layers. An electric handheld cutting machine with a rotating blade will have problems cutting acute angles and tight curves at certain layer heights. In contrast, even darts, necklines and similar can be cut out using a single-knife cloth cutter.

The base plates for the Kuris straight-knife cloth cutters are provided with a special coating. This offers excellent glide properties and high wear resistance. No more chrome and no dazzling reflections. Scratches are simply polished out.

Technical data

Motor data: 220-250 V WS 50/60 Hz

Max. cutting height: approx. 70 mm

Motor power: approx. 140 watts

Blade stroke: 12-15- 18 mm

Weight: 6 kg

Benefits:

The good cutting performance is the result of the high stroke rate of the blade, the tips of which only project a little way from the base plate, making it possible to achieve a clean cut for a smaller number of layers. The grinding equipment is semi-automatic, i.e. the two grinding discs are power driven and the grinding device is lifted by hand. The blade driving mechanism and guide have been optimised. All the rotating parts run on ball bearings. The machine is therefore virtually maintenance-free.

KVS 900



- 33865 - KVS 900 A.C.
- 33866 - KVS 900 D.C.
- 57695 - KVS 900 UVV A.C.
- 57696 - KVS 900 UVV D.C.

KVS 900

Application area

The KVS 900 straight-knife cloth cutter is the machine for the job. Ideally suited to cutting every type and design of textile material, though particularly for cutting thick layers, tight curves and acute angles.

Straight-knife cloth cutter for average layer heights, even for difficult to cut materials, high cutting accuracy thanks to the very small dimensions of the base plate, support and blade, fatigue-proof work with quiet running, good overview and low weight.

We play it safe when it comes to safety.

Just like all Kuris models, the Kuris KVS 900 meets the relevant safety standards. Possible sources of danger are already ruled out at the design stage. Therefore the presser foot bar with only a 13 mm gap from the blade takes on an additional function as a blade guard.

An important feature (especially with the KVS 900) is that it is not possible for the grinding device drive to be damaged when the grinding device comes up against an obstacle (e.g. a layer of material).

The very high lifting speed of the grinding head at approx. 1 s per sharpening operation reduces sharpening times quite considerably, making it possible for the grinding wheel to reach an optimum of 7 rpm. The blade is sharpened on both sides as it is lifted up and down. Unusually even and exact. The layers of material are therefore always cleanly cut, free from fraying right down to the bottom layer of material.

Technical data

Max. cutting height: approx. 90 mm

Motor speed (idle): 2800 rpm

Blade stroke: 36 mm

Vibration: 2.5 m/s

Weight: approx. 8.4 kg

Running noise: 70 dB(A)

Benefits:

Exact, sharp cut thanks to the automatic grinding device with whetstones. Sturdy special motor with a high power margin. Narrow supports reduce effort. Low base plate with a special surface minimises slide resistance.

KV1602 E/U

34476 - KV 1602 E
57828 - KV 1602 UVV
34478 - KV 2002 E
57829 - KV 2002 UVV



KV 1602 / 2002 E/UVV

Application area

The straight-knife cloth cutter is suitable for cutting every type and design of textile materials, though especially for cutting thick layers, tight curves and acute angles, right up to the heaviest loads of all kinds of clothing materials and practically every industrial fabric etc.

Benefits:

The machine has an automatic grinding device and is largely maintenance-free. The machine is easy to move.

KV 1602, KV 2002

Exact, sharp cut thanks to the automatic grinding device with sanding belts

- Sturdy special motor with a high power margin
- Narrow support for reducing effort
- Low base plate with a special surface for minimising slide resistance
- Machine and blade guard equipment to CE and accident prevention regulations
- Made in Germany

Technical data

Model	Cutting cm	Motor power in watts at rpm			Blade mm	Weight kg
		A.C.	A.C. pu-motor	Alternating		
KV 1602	16	550-2800	200/280-1400/2800	370-2800	38	14,5
KV 2002	20	550-2800	200/280-1400/2800	370-2800	38	14,5



Grinding device with sanding belts



Multi-layer cutting



Specialist for innovative spreading and cutting technology

The many years of experience and the innovative thinking of the Kuris company enable fast and professional customer support you will not forget and a perfect worldwide service. We offer the optimal product range for complete cutting from a single source. You will be impressed by the quality our products. We will be happy to advise you.

- Blouses
- Curtains
- Tents
- Jackets
- Sofas
- Filter
- Automotive seat covers
- Tarpaulins
- Trousers
- Airbags
- Floor coverings
- Insulation
- Seating
- Clothes
- Coats
- Linen
- Shoes



PRODUCT PROGRAMME:

Fully automatic cutting technology

CAD software solutions

Round knife cloth machines

Straight-knife cloth cutters

Automatic servo cutters

Rotation hoop knife machines

Manual, semi-automatic and

fully automatic spreading machines

Cutting and spreading tables

Conveyor belts

Special machines

Kuris Spezialmaschinen GmbH

Werkstraße 29

D-71384 Weinstadt

Telefon: +49 (0) 7151-604 980-0

Telefax: +49 (0) 7151-604 980-98

E-Mail: info@kuris.de

Internet: www.kuris.de