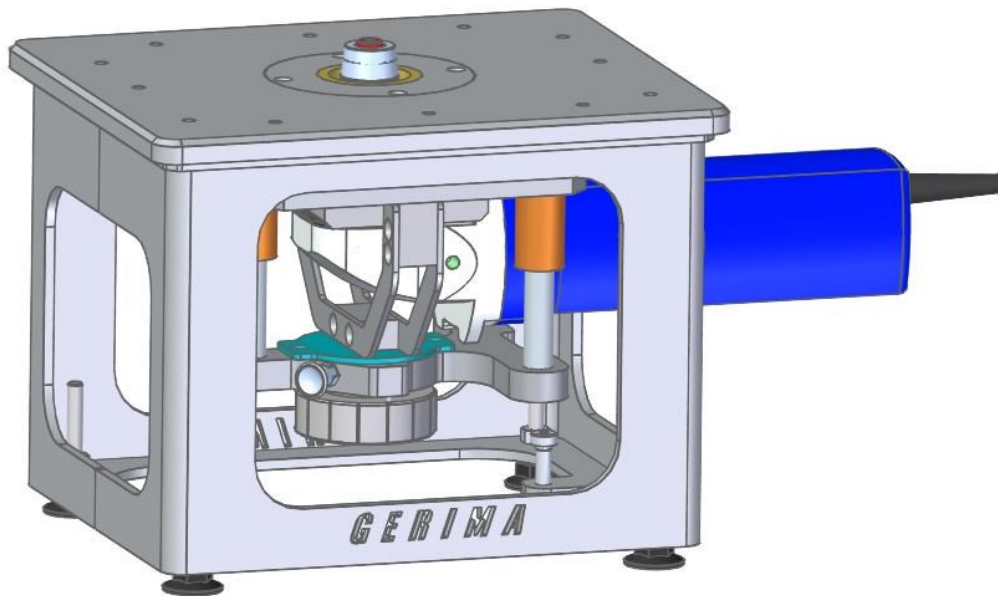


Table beveling machine

SMT 30 AER-24.G1

SMT 30 AER-14.G1

Operating manual



Operating manual SMT 30 AER-24.G1 / SMT 30 AER-14.G1

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Subject to change.

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Dear customer,

Congratulations, you have purchased a highperformance beveling machine that will help you to achieve high-quality results in your beveling applications.

To ensure that the machine is used safely and effectively, please read this operating manual carefully in order to become properly acquainted with the machine.

Please instruct your co-workers and employees to become acquainted with the machine. Learning to use the machine properly will save you time and money, will save your employees time and effort, and will improve the quality of your products.

Due to our policy of continuous product improvement, the information contained in this manual may be subject to change without notice.

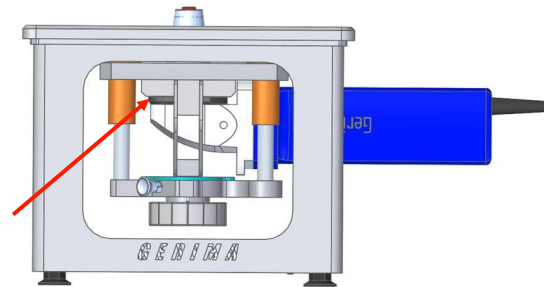
Please contact *GERIMA* for the latest product information.

To verify correct functioning, the machine underwent acceptance testing in which it processed sheet metal of a variety of thicknesses.

Should you need to contact us for assistance, please always have the identification number of your **GERIMA SMT 30 AER-24.G1 / SMT 30 AER-14.G1** available.

The machine identification number is engraved on the gear box (see red arrow in diagram shown at top right of page).

Machine identification number



1. **Operating issues**

If you have questions regarding the use or operation of the machine, or if you need our support or advice regarding specialized applications, our team of specialist retailers and application technicians would be pleased to offer their assistance.

2. **Servicing and repair issues**

If you need to make a guarantee claim, if the machine needs to be repaired or if you need to order spare parts, please contact our specialist retailers for help.

3. **Sales**

Our specialist retailers are also the people to contact if you wish to purchase additional **GERIMA** machine.

To help us provide quick and efficient assistance, please always have your machine identification number to hand.

We hope you enjoy working with your precisionmade **GERIMA** machine.

The **GERIMA**-Team

Please read the manual before using machine !

This manual has been created so that you can work with your device quickly and safely. Here is a brief guide on how you should read this manual:

- Read these operating instructions before working with the machine. Note especially the safety information.
- This manual is intended for people with basic technical knowledge in dealing with devices like the one described here. If you have no experience with such devices, you should first obtain the assistance of experienced person.
- Keep all documentation delivered with the device, so you can get information when needed. Keep your receipt for any warranty claims.
- If you lend or sell the machine once please give all equipment supplied documentation with.
- For damages which arises because these operating instructions were not followed, the manufacturer accepts no responsibility.

The information in this manual are indentified as follows:



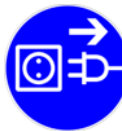
Danger!
Warning of person, machinery or environmental damage.



Risk of electric shock!
Warning of damage caused by electricity.



Entanglement!
Warning of personal damage by detection of body parts or clothing.



Before this step, unplug the mains plug from the power socket.
Otherwise there is a danger of injury due to unintentional starting the power tool.



Tip:
Additional information used to improve the knowledge.



Ear protection!
Operating personnel must wear ear protection.



Eye protection!
Operating personnel must wear eye protection.



Hand protection!
The operator must wear protective gloves.



Note that the substances / materials used to handle properly and must be disposed of according to regulations and laws.

Technical data

Dimension and weight

Dimension table frame
Weight incl. beveling machine approx

Connection value / power

Line voltage
Power
Idle speed

Noise emission

Sound power level Lwa / dB (A)

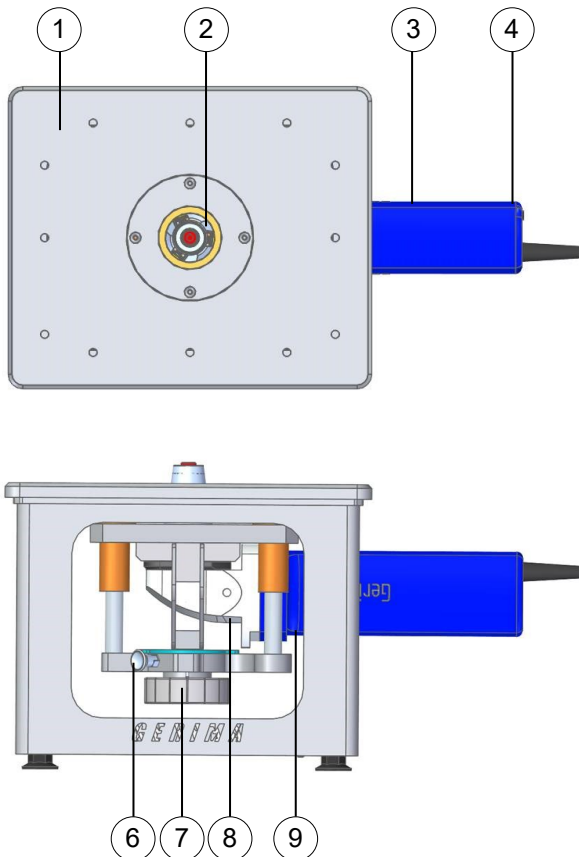
Allowed materials and formats

Thickness of workpiece
Bevel width

Materials

Steel
Stainless steel
Aluminium

Radius



SMT 30 AER-24.G1

450x250x250 mm
19,00 Kg

230 V / 50/60 Hz
1.500 W
2.500-7.900 rpm

101 dB (A)

min. 3 mm
1-8 mm
(depending on material and guide wheel)

1-6 mm
1-3 mm
1-8 mm

>2-4 mm
(depending on material and guide wheel)

SMT 30 AER-14.G1

450x250x250 mm
19,00 Kg

110/120 V / 50/60 Hz
1.500 W
2.500-7.900 rpm

101 dB (A)

min. 3 mm
1-8 mm
(depending on material and guide wheel)

1-6 mm
1-3 mm
1-8 mm

>2-4 mm

1. Table
2. Milling head with guide wheel (detachable chip guard hood is not shown here)
3. Motor
4. Speed control

6. Locking handwheel (7)
7. Handwheel setting bevel width / radius
8. Spindle lock
9. ON-OFF-switch

Shipment

1x Basic machine SMT 30 AER-24.G1
or Basic machine SMT 30 AER-14.G1

1x Manual
1x Torx wrench T15
1x Hexagon screwdriver SW5

Noise emission values in accordance with the DIN EN 60745-1 standard:

Noise emission	[dB (A)]	Value	Un-certainty
Emission sound pressure level	L _{pA}	90	3
Peak emission sound pressure level at workplace (during milling operation)	L _{pGpeak}	105	3
Sound power level	L _{WA}	101	3

Vibrations:

Total vibration value (tri-axial vector sum)	Appropriate to DIN EN 60745:
Work process: - 45° milling head - 5 mm bevel width (C) in 12 mm steel sheet S 355	Measured vibration emission value ah = 4,0 m/s ²
	Uncertainty K = 1,5 m/s ²

Note:

The measured values listed above depend on the materials and operating procedures used and may therefore be exceeded under other operating conditions.

Using the machine to create bevels with a width greater than that permitted will result in a disproportionately large reduction in the machine's on-time and the service life of the indexable carbide inserts. The vibration and noise emission values will increase accordingly.

To prevent overloading the machine and to avoid operator fatigue it is very important to observe the maximum power-on periods especially when machining wide bevels or high-strength materials.

Power-on time (POT):

To avoid damaging the machine, it is essential to be monitor how long the machine has been operating continuously ('power-on time').

All electric brushed motors generate large amounts of heat in the rotor and stator. Although the machine is fitted with a fan cooler that dissipates the heat produced, if the machine is subjected to extreme loads (e.g. milling large bevels, very hard or tough materials) and/or is run continuously for a long period of time, the cooling system may not be able to cope with the amount of heat generated. If the operator continues to use the machine, the rotor (armature) may overheat to such an extent that the winding insulation melts causing a short circuit.

Material strength	C max.	POT max.
Aluminium, copper, brass	8mm	80%
Steel up to 400 N/mm ²	6mm	50%
Steel up to 600 N/mm ²	6mm	40%
Steel up to 900 N/mm ²	6mm	30%
Stainless steel	3mm	20%

(C=bevel width, POT=power-on time)

The power-on time is always expressed as a percentage of one hour.

Example:

If the power-on time is specified as 50 %, then you can use the machine to mill bevels for a maximum of 30 min. in an hour and must then leave the machine to cool for 30 min.. If the machine is subjected to heavy loads, the power-on time might be 20 %, which means it can be used for 12 min. in any hour and must be left to cool for 48 min.. Before completely switching off the machine, we recommend running the machine for one or two minutes in idle mode (unloaded) so that fan can continue to draw cool air through the machine.

Do not overload the machine!

The machine can become overloaded if, for example, it continues to be used even though the bevel being cut is too large for the material being milled, or if the cutting inserts have become blunt and therefore unable to penetrate the material. Such conditions can lead to large machine vibrations or even machine breakdown if the armature in the motor is bent to such an extent that the rotor and stator rub against each other, overloading the windings and blowing the motor.

To prevent this sort of damage when milling large bevels and/or hard materials, never try to machine the bevel in a single pass, always use multiple passes, and do not forget to change the carbide inserts before they become blunt or worn.

Duties of the operator

The SMT 30 AER-24.G1 and SMT 30 AER-14.G1 was designed and built taking into account a risk analysis and careful selection of the applicable harmonized standards and technical specifications. It thus corresponds to the prior art and allows for maximum safety during operation.

However, the machine safety can only be effectively implemented in practice, if all necessary measures have been taken. It is the duty of care and responsibility of the machine operator to plan these measures and to monitor their execution.

The operator must in particular ensure that:

- the machine must only be used for its intended use (see chapter intended use).
- the machine must only be operated in perfect working condition and especially the safety devices must be checked regularly for proper function.
- the required protective equipment for the operation, maintenance and repair staff must be available and must be used.
- the operating instructions must always in a good condition and fully available at the machine.
- only qualified and authorized staff may operate, maintain and repair the machine.
- this staff must be instructed regularly about relevant occupational safety and environmental protection and know the operating instructions and the safety instructions.
- all safety instructions and warnings attached to the machine must not be removed and must remain legible.



The following instructions must be read carefully in order to avoid accidents to persons and / or property damage

- Never attempt to operate the machine before you have read and understood the content of this operation manual.
- If you are unsure about any points, please contact *GERIMA* for assistance.
- Make sure that all persons who will be operating or servicing the machine have read and understood all the relevant safety information.
- Before starting the machine, the operator must ensure that all safety equipment is properly installed and functioning correctly.
- Never use the machine for purposes other than those specified in this manual. Never use the machine to process materials other than those approved for use by the machine's manufacturer. If you are considering using the machine for an unapproved purpose, please first contact *GERIMA* to request approval of your proposed application.
- Check that all electrical connections are secure and sound. Never attempt to service or repair the machine before it has been disconnected from the power supply.
- Always use genuine *GERIMA* spare parts and accessories or those that have been approved for use by *GERIMA*.

If you encounter a problem or fault when operating the machine and you are unable to solve the issue with the aid of this manual, please contact *GERIMA* for rapid assistance.

Operator qualifications and protection of machine operators:

The term 'operator' is used here to mean any person who operates, adjusts, services and/or repairs the machine.

The employer is obliged to inform the operator about security relevant standards and to verify compliance.

To be trained operating personnel may initially work only under the supervision of an experienced person on the machine. Successful completion of training should be confirmed in writing.

All control and safety devices must always be operated only by trained personnel.

All persons carrying out work on the machine must read the operating instructions and confirm with their signature that they have understood the operating instructions.

The workplace must be well lit and provide sufficient space for safe working.



Before working with or on the machine, the operator must have become acquainted with the machine and must have read and understood this manual.

The operator must

1. ensure that all guard plates are in place and all safety mechanisms are functioning correctly before starting the machine.



2. not wear clothing or accessories (jewellery etc.) that could be get trapped in moving machine parts.
3. always wear protective clothing (non-slip shoes, ear protection, gloves and safety goggles).
4. observe all relevant safety instructions. If a problem arises, the operator must refer to this manual before continuing with his or her work.

Protective clothing:

When working on/with the machine always wear:



ear protectors,



safety goggles,



protective gloves,

Requirements to be met by operating staff:

The machine may only be operated by appropriately trained persons who have been instructed in the use of the machine and are authorized to operate it.

Operators must have read and understood this operating manual and must act in accordance with it. The functions of the operating personnel, i.e. what an operator is or is not allowed to do, must be clearly specified.

Special qualifications are required for the following activities:

- **Commissioning:** The machine may only be commissioned by the manufacturer.
- **Operational training:** Training in the use of the machine must be provided either by the manufacturer or by persons who have received appropriate instruction.
- **Fault elimination:** Faults may only be dealt with by appropriately qualified technical staff or by the manufacturer's service personnel.
- **Maintenance:** Maintenance work may only be performed by technical staff who have received appropriate instruction.
- **Cleaning:** The machine may only be cleaned by persons who have received appropriate instruction.
- **Servicing:** The machine may only be serviced by appropriately qualified technical staff or by the manufacturer's service personnel.
- **Repair:** The machine may only be repaired by appropriately qualified technical staff or by the manufacturer's service personnel.
- **Decommissioning:** Decommissioning of the machine may only be performed by appropriately qualified technical staff or by the manufacturer's service personnel.

Risk of injury from hot metal chips:



- Hot chips are ejected from the machine at high speed.

Improper use can cause serious injury:



- Make sure you always have a firm footing when working with the machine.
- Never touch the milling tool when the machine is running.
- Never use the machine above head height.
- Ensure the switch is in the off-position before connecting to power source. After use de-energize the machine by disconnecting it from the power supply!
- Only Milling against the rotating direction = upcut milling

Improper use can damage equipment and property:



- Risk of machine being damaged or destroyed.
- Never lift or carry the machine by its power cable.
- Make sure the cable is directed behind and away from the machine. Do not lay the cable over sharp edges.
- Always use genuine *GERIMA* spare parts and accessories.



**Risk of electric shock!
Warning of physical injury by electricity**

- All work on the machine's electrical systems must be performed only by qualified electrical technicians.
- Electrical equipment must be checked regularly.
- Any loose connections must be reattached and any damaged wires or cables replaced immediately.
- Never attempt to clean electrical equipment or systems with water or other similar liquids.
- Use only genuine replacement fuses that match the specified voltage and current.
- The machine should always be supplied with power via a residual current device (RCD) with a rated current of 30mA or less.

Machine hazards :

The machine has been built in accordance with the latest engineering standards and generally recognized safety principles.

Nevertheless, improper use can result in serious or fatal injury to the user and/or third parties or cause damage to the machine or other property.

The machine must only be used:

- For its intended purpose.
- If it is safe and in good repair.
- In compliance with the operating manual and by persons who are aware of the safety issues and hazards associated with the machine.
- Faults that could affect the safety of the machine must be remedied immediately.

Regular pre-start safety precautions



Perform the following pre-start procedures each time you plan to use the machine:

- Check and ensure that all of the machine's safety and protective equipment is in place and functioning correctly.
- Check the machine for visible signs of damage. Any defects or deficiencies identified must be remedied immediately or reported to the supervisor. The machine may only be used if it is safe and in a state of good repair.
- Check and ensure that only authorized persons are within the machine's work area and that no other persons can be endangered by switching on the machine.
- All objects and other materials that are not needed for the operation of the machine must be removed from the machine's work area.
- The measures to be taken in an emergency are known.

Basic Safety Measures for Normal Operation:

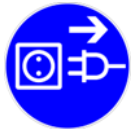


- The machine may only be started from the specified workstation.
- During operation of the machine safety devices must not be removed or rendered inoperable.
- The operator may be present only at the specified workplace during operation of the machine.
- The operator must ensure that no unauthorized persons are in the working area of the machine.
- After switching off the machine, the operator must wait until all moving parts have stopped and the lights are off function.

Maintenance:



Maintenance or service work must only be performed once the machine's moving parts have come to rest. Machine parts may become very hot during operation.



- De-energize the machine by disconnecting it from the power supply.

Machine hazard points:



Milling head

- Never touch the milling head when the machine is running.

Safety information for servicing, maintenance and fault elimination:

- Any person who installs, commissions, operates, inspects, services or maintains the machine must have read and understood the operating manual and in particular the safety information contained therein.
- Machine adjustment, maintenance and inspection work must be carried by appropriately qualified technical staff.
- Servicing and maintenance work must only be carried out by appropriately qualified technical staff.
- All operating equipment must be secured against accidental activation or energization.
- When performing any servicing, maintenance or repair work de-energize the machine by disconnecting it from the supply and ensure that the machine cannot be switched on again accidentally.

- If protective guards or other safety devices have to be removed for servicing or maintenance work, they must be reinstalled immediately after the work has been completed.
- Use only listed operating and auxiliary materials.
- Use only genuine spare parts as listed in the spare parts list.
- Check bolted connections for tightness.
- Before restarting the machine, make sure that nobody can be endangered by the running machine.
- Any unsafe operation is prohibited!
- Never put safety devices inoperative!
- Never wear hanging or protruding clothes which could become trapped in moving machine parts!
- After maintenance check all safety devices for function!

Consequences when nonobservance:



- Injury hazards for personnel!
- Damage to the machine!
- Modifications of the machine can affect the correct operation and safety of the machine!

Modifications to the machine:



The machine may not be modified, added to or converted unless the prior consent of the manufacturer has been granted.

Any alterations to the machine must have been approved by GERIMA GmbH. This also applies to the welding of the component parts.

Cleaning the machine and disposal information:



All substances and materials used must be handled appropriately and accordance with all relevant statutory provisions and legislation.

The machine must only be cleaned after it has been switched off!

Machine noise:

The continuous sound power level emitted by the machine at the installation site is greater than > 84 dB (A).



Operating personnel must wear ear protection!

Residual risks:

- The machine was plant and constructed with all suitable devices to guarantee the safety and health of the operator.
- The machine is covered to prevent the risk of contact with moving parts.
- However residual risks still exist.
- As already mentioned the cutting area is protected as far as possible but there is an opening portion through which the processing material must be introduced.
- It is possible that the operator reaches in this area with his hands.



Always keep your hands as far as possible away from the cutting area!



Always observe the safety rules to minimize the residual risks!



Be aware that the machine may be a source of residual mechanical or electrical energy. Appropriate precautions for dealing with these hazardous energy sources must be taken when instructing operating personnel on the use of the machine.

The table beveling machine SMT 30 AER-24.G1 and SMT 30 AER-14.G1 may only be used for work and materials described in the section 'intended use'.

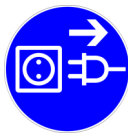


Do not use the machine to work on materials containing asbestos!

The SMT 30 AER-24.G1 and SMT 30 AER-14.G1 is a stationary, electrically powered beveling machine intended:

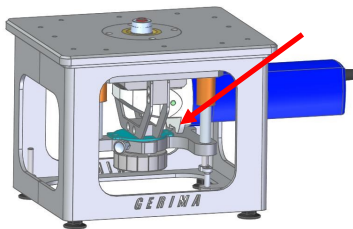
- For machining workpieces made of steel, cast steel, fine-grained steel, stainless steel, aluminium, aluminium alloy, brass and plastic.
- For commercial use in industrial settings and in the skilled-trades.
- For preparing K-, V-, X-, and Y-shaped welding grooves.
- For creating visible edges in plant and mechanical engineering work.
- For rounding off of edges for an optimal painting preparation or as a scratch and bump protection.

Replacing guide wheel / carbide inserts / milling body

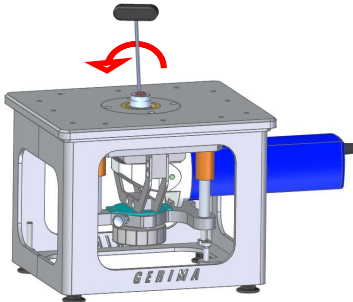


Before replacing always disconnect the machine from the power supply by removing the power cable from the socket !

- 1 Lock spindle !



- 2 Loosen the guide wheel with the hex screwdriver SW5 and pull out the guide wheel of the milling body.



- 3 Loosen the clamping screws with the Torx wrench T15 and replace the carbide inserts. The inserts must be fastened to the mounting seat on the milling head by means of the original locking screws (max. tightening torque: 4.0–5.0 Nm).

- 4 Loosen the milling body retaining screw with the hexagonal wrench SW 5 and remove the milling body.



To remove the milling head easier out of the driving shaft you have to turn the guide wheel a little bit into the milling head and use the guide wheel as a handle to lift the milling head up.



In order to avoid cuts and burns when carbide inserts change, carbide inserts only change to a complete stop of the machine. Use protective gloves!

Adjusting the 8-fold bevel- and radius carbide inserts (type KX and KXR):

The bevel- and radius-carbide inserts of type KX and KXR have 8 cuttings. By rotation and turning it is possible to use the inserts 8 times.

Consumables and accessories

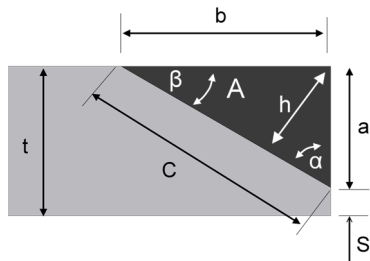
nr.	name of part	order-nr.
1	Clamping screw CS 30-11	0101.203.09-00017
2	Bevel-carbide insert KX8.B12-V1	0101.404.18-00031
3	Radius-carbide insert R2-KX16.B22-V1	0101.404.19-00014
4	Radius-carbide insert R2.5-KX8.B22-V1	0101.404.19-00016
5	Radius-carbide insert R3-KX8.B22-V1	0101.404.19-00024
6	Radius-carbide insert R4-KX8.B22-V1	0101.404.19-00026
7	Bevel/Radius-milling body MB45R6.K3-CC1	0101.407.19-00028
8	Guide wheel GR45-26.30-VC1	0101.403.19-00059
9	Guide wheel GR45R2-26.65-KC1	0101.403.20-00001
10	Guide wheel GR45R2-32.30-KC2	0101.403.19-00063
11	Guide wheel GR45R2.5-28.80-KC1	0101.403.19-00064
12	Guide wheel GR45R3-28.55-KC1	0101.403.19-00035
13	Guide wheel GR45R4-27.55-KC1	0101.403.19-00035
14	Torx wrench T15	0000.077.14-00001
15	Hexagon screwdriver SW5	0000.077.14-00005



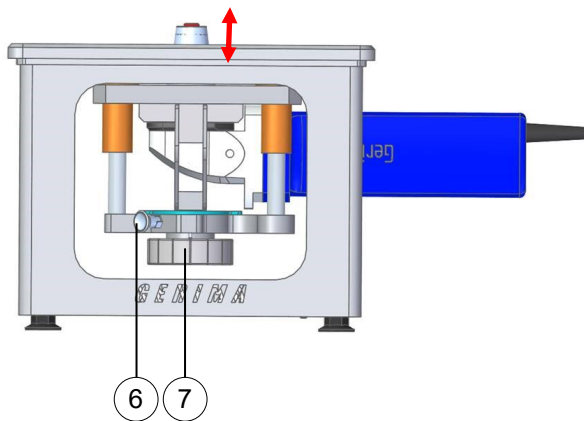
Milling bodies and guide wheels with special angles and radii on request.

Setting the bevel length:

- a leg length = bevel length a
- b leg length = bevel length b
- C bevel width
- α bevel angle
- β opposite angle
- A bevel size
- h bevel height
- S residual bridge
- t plate thickness



The bevel length (a) is setting by adjusting the hand wheel (7). Loosen the clamping lever (6) and rotate the hand (7) until the required bevel length has been set. Retighten the clamping lever (6).

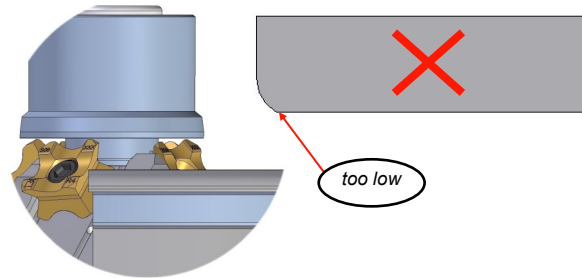


Once the bevel length has been set, a bevel should be milled on a test sample to check whether further height adjustments are required. These may be necessary.

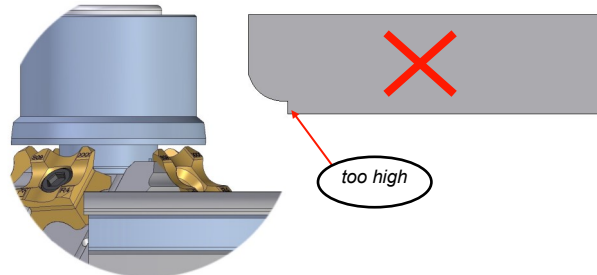
Adjusting radius:

The procedure for setting the radius and bevel is identically.

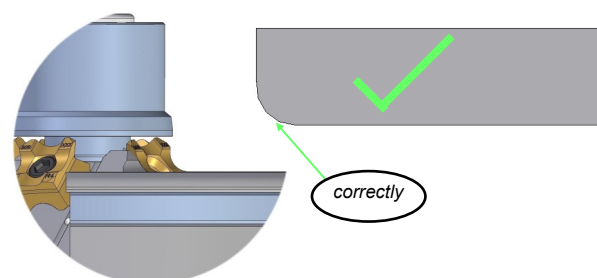
Please note that only the position of the lower edge of the radius can be adjusted by rotating the hand wheel (7). The lateral position of the radius on the workpiece end face is determined by the guide wheel fitted and cannot be altered.



Milling head set too low (radius incomplete).



Milling head set to high (radius cuts into material).



Milling head set correctly (radius fully formed with smooth transition to workpiece surfaces.)

General:

To become acquainted with the machine, you must start by machining a small bevel with a width of no more than 2 mm and remember to advance the machine slowly first. Bevels of maximum width can only be machined safely and reliably once you have become used to handling the machine.

Handling:**Damages caused by wrong power supply!**

- Check the supply voltage. The supply voltage must correspond with the specifications on the type plate of the machine.

**Improper use can cause serious injury!**

- Make sure you always have a firm footing when working with the machine!
- Never touch the milling head when the machine is running!
- Always lead the machine away from body during working, never use the machine above head height.

**Risk of damage to equipment and property!**

- Working with worn or damaged carbide inserts or milling heads will cause the machine to fail!
- Avoid collisions when working with the machine!

Working with the machine:

Press on-/off-switch until it clicks into place!

Motor starts

Bring the workpiece slowly into contact with the milling head only after the selected tool speed has been reached.

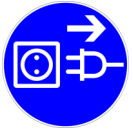
Machining the workpiece (up-cut milling)

When milling a bevel always move the workpiece from right to left against the direction of rotation of the milling head (up-cut milling). Boreholes are machined in a clockwise direction.

Switching off the machine

Remove the workpiece from the machine from. Then press the on-/off-switch.

Maintenance



Before serving the machine always disconnect the machine from the power supply by removing the power cable from the socket !



Repair must only be carried out by a GERIMA trained technician!



Improperly repaired machines are hazzard!

- Increased risk of injury
- Machine does not function correctly!



Hot carbide inserts and milling head!

- Burn hazzard!
- Wear protective gloves when replacing the carbide inserts!

Blunt tool can cause damage!



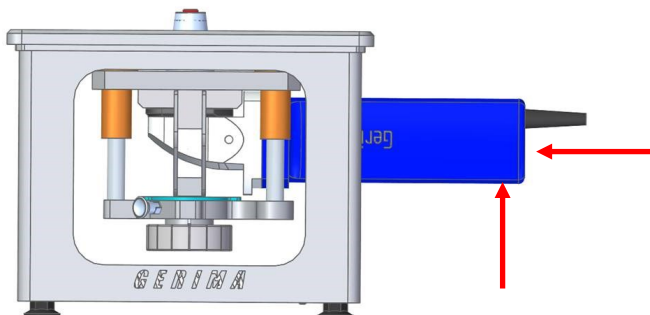
- Blunt tool can overload the machine!
- Inspect milling tools regularly for signs of wear.
- Wear protective gloves when changing or readjusting the carbide inserts!

Maintenance plan:

Part to be serviced	Type of maintenance work	Service	Maintenance procedure	Materials required	Order-nr.
Service 1: Ventilation slots	Daily	Machine operator	Clean ventilation slots	Brush, cloth, compressed air	./.
Service 2: Carbide inserts	Rotate or replace as necessary	Machine operator	See page 15	Torx-wrench T15	See page 15

Service 1:

To ensure that the machine can be cooled properly, the ventilation slots must be kept clean. To avoid damaging the motor winding it is important that no foreign matter (e.g. chips) enter the motor compartment. Clean the motor compartment regularly by blowing compressed air through it.

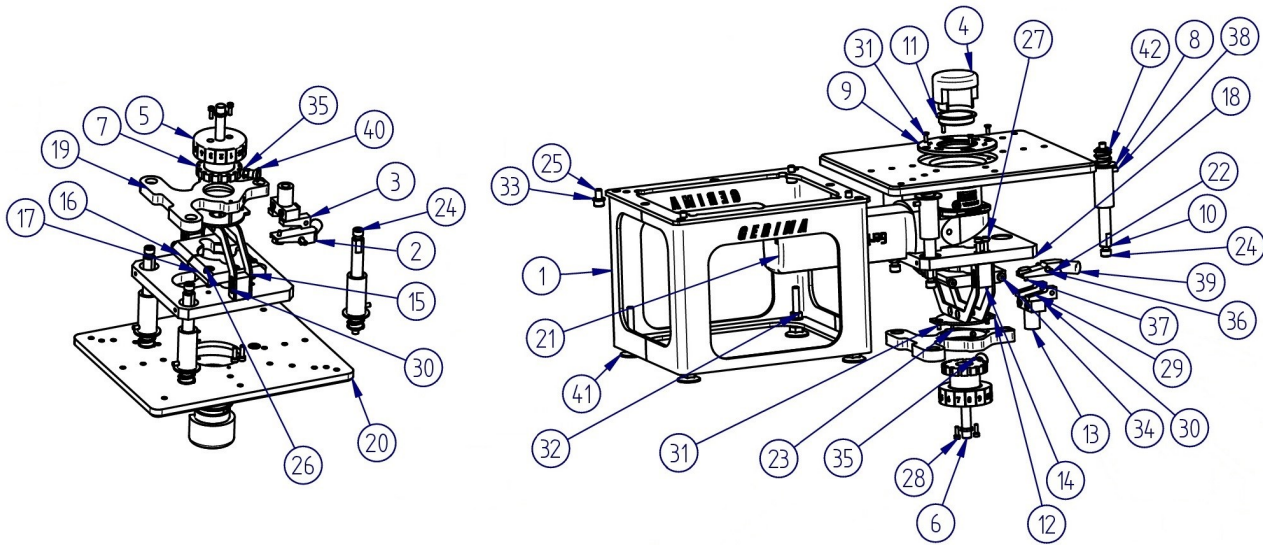


Disposal of components removed from the machine:

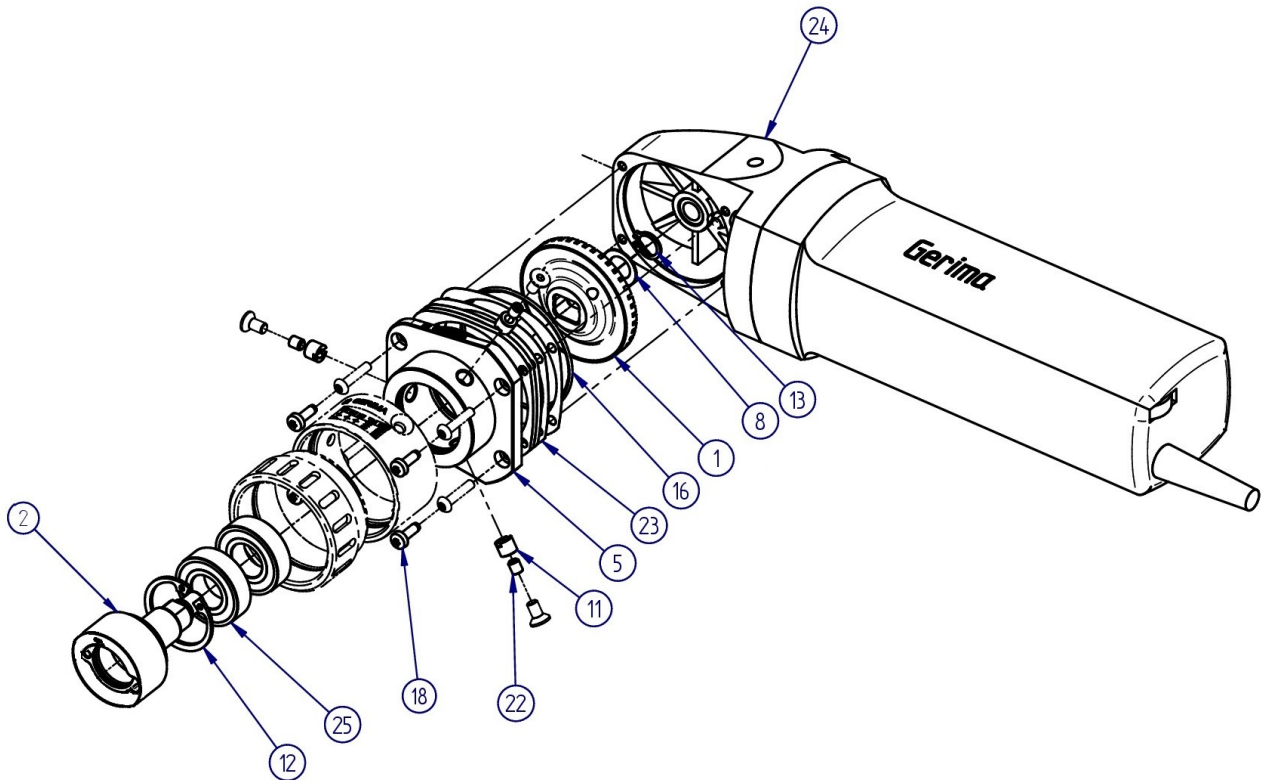
All machine parts, operating and auxiliary materials must be disposed of in accordance with the applicable statutory provisions.

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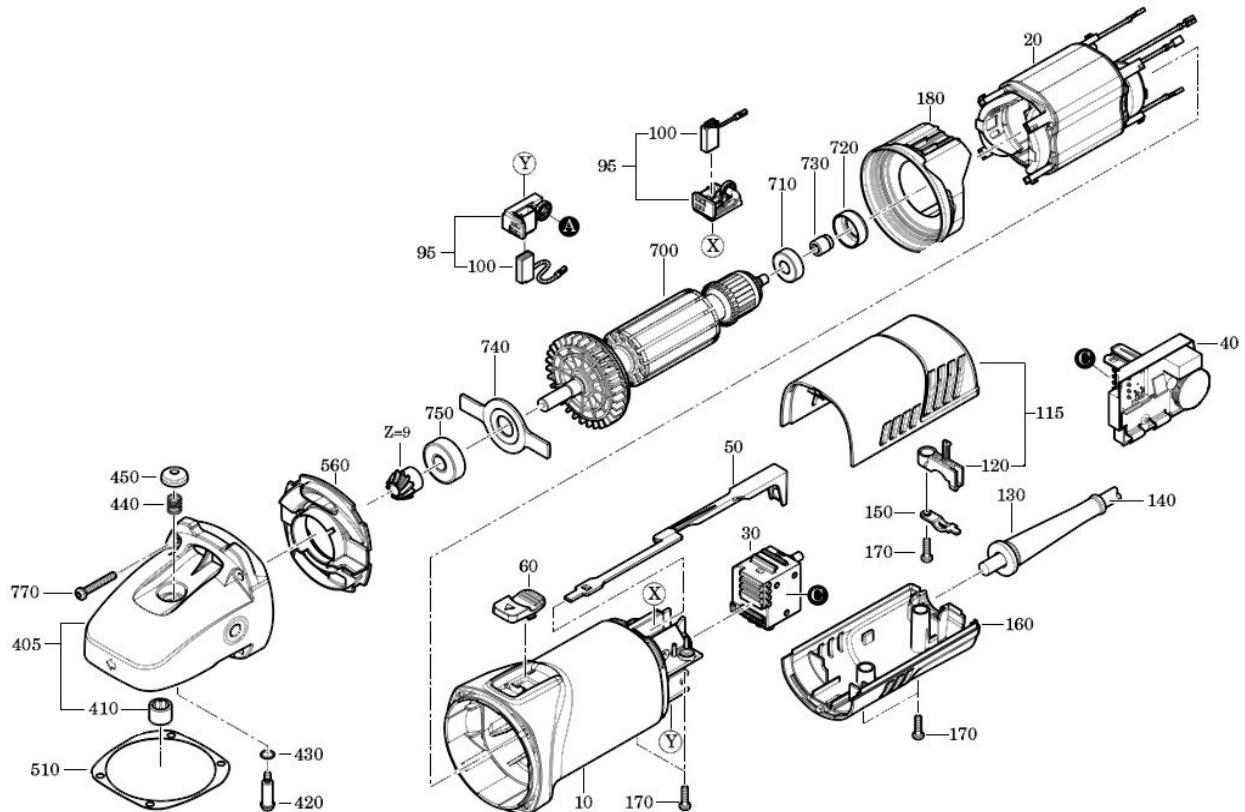
nr.	order-nr.	name of part	pc.
1	0101.992.16-00001	Frame	1
2	0101.992.18-00001	Lever	1
3	0101.992.18-00002	Holder	2
4	0101.992.16-00022	Cover	1
5	0101.992.16-00018	Knob	1
6	0101.992.16-00017	Threaded bolt	1
7	0101.992.16-00016	Locking piece	1
8	0101.992.16-00015	Bush	3
9	0101.992.16-00014	Plate	1
10	0101.992.16-00013	Guide	3
11	0101.992.16-00011	Brass insert	1
12	0101.992.16-00010	Plate	1
13	0101.992.16-00009	Lock nut	1
14	0101.992.16-00008	Block	2
15	0101.992.16-00007	Connection	2
16	0101.992.16-00006	Clamping piece	1
17	0101.992.16-00005	Console	1
18	0101.992.16-00004	Stop plate	1
19	0101.992.16-00003	Adapter plate	1
20	0101.992.16-00002	Plate	1
21	page 21	Drive unit SMT	1
22	0000.022.15-00141	Cylinder pin 5x20	2
23	0101.533.08-00032	Cylinder pin 3x20	1
24	0000.022.14-00101	Cylinder screw M8x20	3
25	0000.022.16-00236	Cylinder screw M8x14	4
26	0000.022.14-00085	Cylinder screw M6x20	3
27	0000.022.14-00080	Cylinder screw M5x16	4
28	0000.022.15-00290	Cylinder screw M4x12	2
29	0000.022.15-00095	Cylinder screw M4x10	4
30	0000.022.14-00108	Countersunk screw M5x12	12
31	0000.022.14-00190	Countersunk screw M4x12	6
32	0000.022.15-00127	Hex nut M8	4
33	0000.022.14-00166	Washer 8	8
34	0000.022.16-00237	Fitting screw	2
35	0000.022.14-00256	Fitted washer	1
36	0000.032.18-00110	Slotted bushing	2
37	0000.032.17-00042	Rubber buffers	1
38	0000.022.16-00113	Threaded pin M5x8	3
39	0000.032.18-00109	Rotatable cylinder button	1
40	0000.032.16-00116	Locking bolt M8x1	1
41	0000.032.16-00119	Adjustable foot	4



nr.	order-nr.	name of part	pc.
1	0101.462.19-00005	Bevel gear	1
2	0101.372.19-00001	Shaft	1
5	0101.992.16-00019	Gearbox	1
8	0101.372.15-00004	Belleville spring washer	1
11	0101.203.09-00013	Internal thread M5x10	3
12	0000.022.15-00005	Locking ring 35x1	1
13	0000.022.15-00276	Locking ring 11x1	1
16	0000.042.15-00028	O-ring	1
18	0101.112.15-00013	Lens head screw M4x12	4
22	0000.022.15-00132	Threaded pin M5x6	3
23	0101.052.17-00014	Spacer 0,1	5
24	0101.382.16-00003	Drive unit 1.500 W, 230V, 2.500-7.900 1/min	1
24	0101.382.16-00004	Drive unit 1.500 W, 120V, 2.500-7.900 1/min	1
25	0000.012.15-00014	Deep groove ball bearing	2

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nr.	order-nr. (230V)	order-nr. (120V)	name of part	pc.
10	0101.362.18-00001	0101.362.18-00001	Motor housing	1
20	0101.362.18-00002	0101.362.18-00025	Stator	1
30	0101.112.17-00001	0101.112.17-00001	Switch	1
40	0101.392.18-00002	0101.392.18-00001	Elektronik	1
50	0101.112.18-00001	0101.112.18-00001	Shift rod	1
60	0101.112.18-00002	0101.112.18-00002	Swich slide	1
95	0101.112.16-00025	0101.112.16-00035	Brush holder Set	2
100	0101.113.15-00002	0101.112.16-00003	Carbon brush set	1
115	0101.392.18-00003	0101.392.18-00003	Cover UT	1
120	0101.362.18-00003	0101.362.18-00003	Cable clamp	1
130	0101.362.18-00004	0101.362.18-00004	Grommet	1
140	0101.203.18-00004	0101.203.08-00062	Cable with plug	1
150	0101.362.18-00005	0101.362.18-00005	Cable clamp	1
160	0101.392.18-00004	0101.392.18-00004	Cover OT	1
170	0101.362.18-00006	0101.362.18-00006	Screw Tx15 3,5x13	5
180	0101.362.18-00007	0101.362.18-00007	Air guide	1
405	0101.362.18-00008	0101.362.18-00008	Gearbox	1
410	0101.362.18-00009	0101.362.18-00009	Needle sleeve	1
420	0101.362.18-00010	0101.362.18-00010	Bolt	1
430	0101.362.18-00011	0101.362.18-00011	Sealing ring	1
440	0101.362.18-00012	0101.362.18-00012	Compression spring	1
450	0101.362.18-00013	0101.362.18-00013	Push button	1
Z=9	0101.372.18-00001	0101.372.18-00001	Pinion	1
510	0101.372.15-00007	0101.372.15-00007	Spacer disc	1
560	0101.362.18-00014	0101.362.18-00014	Exhaust ring	1
700	0101.362.18-00015	0101.362.18-00029	Anchor	1
710	0101.362.18-00016	0101.362.18-00016	Deep groove ball bearing	1
720	0101.362.18-00017	0101.362.18-00017	Rubber bushing	1
730	0101.362.18-00018	0101.362.18-00018	Magnet	1
740	0101.362.18-00019	0101.362.18-00019	Plate	1
750	0101.362.18-00020	0101.362.18-00020	Deep groove ball bearing	1
770	0101.362.18-00021	0101.362.18-00021	Screw Tx15 40x26	4

GERIMA shall guarantee a new machine for a period of twelve months beginning on the date the machine was purchased from the *GERIMA* production facility in 66606 St. Wendel, Germany.

Any further guarantees shall require the prior written agreement of both the machine owner and the manufacturer.

The guarantee provides that the machine is free from defects in materials and/or workmanship. Any performance data contained in information or promotional materials or included in quotations are understood to be for guidance only and are not guaranteed, as these values depend very strongly on the material worked and the particular machining operation used.

Any guarantee claim submitted must state the machine identification number and must be accompanied by the relevant delivery note or invoice.

Repairs under guarantee may only be carried out by *GERIMA* or by one of its authorized specialist retailer or representatives.

Guarantee claims can be made only for genuine *GERIMA* parts and if the machine was used for its intended purpose. The guarantee does not cover, in particular: operational wear and tear; improper use; partially or wholly disassembled machines; damage arising from overloading the machine or from the incorrect use of the milling tool; the use of non genuine, unauthorized or defective parts; damage caused by the machine to the workpiece; use of excessive force; consequential damage arising from improper or inadequate maintenance by the customer or a third party; damage caused by unauthorized third parties or by the presence of foreign matter; damage arising from a failure to comply with the manufacturer's operating instructions, e.g. connecting the machine to the wrong power supply.

Services provided under the guarantee are understood to be 'ex works' (66606 St. Wendel, Germany).

Any additional costs, such as travel costs for technical personnel, shipping costs etc. are not covered by the guarantee and will be charged.

After receiving a defective machine, *GERIMA* shall compile a cost estimate of the repairs and shall provide notification of the extent to which these repairs are covered by the guarantee.

Once accepted, the machine will be repaired and then either dispatched with invoice or stored ready for collection.

**Declaration of Conformity in accordance with the EC Machinery Directive,
Annex II, 1A**

Translation - EC Declaration of Conformity

Manufacturer

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66606 St. Wendel
Germany

Authorized representative according to MRL

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Fax: (0049) 6851-93951-21
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Authorized representative technical documents

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Germany

Product
Product

SMT 30 AER-24.G1, 21-250-****, 00001-99999, 2021
SMT 30 AER-14.G1, 21-251-****, 00001-99999, 2021

We hereby declare that the above mentioned product complies with all relevant provisions of the Machinery Directive 2006/42/EC.
The above product fulfills the relevant requirements of the following guidelines:

- ▶ Directive 2006/42/EC of the European Parliament and the Council of 17 May 2006 on machinery and amending Directive 95/16/EC (recast) 2006/42/EC
- ▶ Directive 2006/95/EC of the European Parliament and the Council of 12 December 2006 to approximate the laws of the Member States relating to electrical equipment designed for use within certain voltage limits 2006/95/EC
- ▶ Directive 2004/108/EC of the European Parliament and the Council of 15 December 2004 to approximate the laws of the Member States relating to electromagnetic compatibility and repealing Directive 89/336/EEC 2004/108/EC

and corresponds to the following standards:

- ⇒ **DIN EN 60745-1/A11 VDE 0740-1/A11:2011-09**
Hand-held motor-operated electric tools - Safety
Part 1: Generell requirements
German Version EN 60745-1:2009/A11:2010

St. Wendel, 01.01.2021



Dipl.-Ing. Stephan Rieth, Business Management