

Originalfassung

DE BETRIEBSANLEITUNG

Übersetzung / Translation

EN USER MANUAL

BESCHLAGBOHRMASCHINE

HINGE SLOT MACHINE



BBM35MAN / BBM35PNEU
BBM35MS & BBM35_HETTICH_WK



2 SICHERHEITSZEICHEN / SAFETY SIGNS



DE CE-KONFORM! - *Dieses Produkt entspricht den EG-Richtlinien.*
EN CE-Conformal! - *This product complies with the EC-directives.*

**DE SICHERHEITSZEICHEN
BEDEUTUNG DER SYMBOLE**

**EN SAFETY SIGNS
DEFINITION OF SYMBOLS**



DE WARNUNG! Beachten Sie die Sicherheitssymbole! Die Nichtbeachtung der Vorschriften und Hinweise zum Einsatz der Maschine kann zu schweren Personenschäden und tödliche Gefahren mit sich bringen.

EN ATTENTION! Ignoring the safety signs and warnings applied on the machine as well as ignoring the security and operating instructions can cause serious injuries and even lead to death.



DE ANLEITUNG LESEN! Lesen Sie die Betriebs- und Wartungsanleitung Ihrer Maschine aufmerksam durch und machen Sie sich mit den Bedienelementen der Maschine gut vertraut um die Maschine ordnungsgemäß zu bedienen und so Schäden an Mensch und Maschine vorzubeugen.

EN READ THE MANUAL! Read the user and maintenance manual carefully and get familiar with the controls in order to use the machine correctly and to avoid injuries and machine defects.



DE Schutzausrüstung tragen!



EN Wear protective equipment



DE Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!

EN Stop and pull out the power plug before any break and engine maintenance!



DE Warnung vor Schnittverletzungen!

EN Warning about cut injuries!



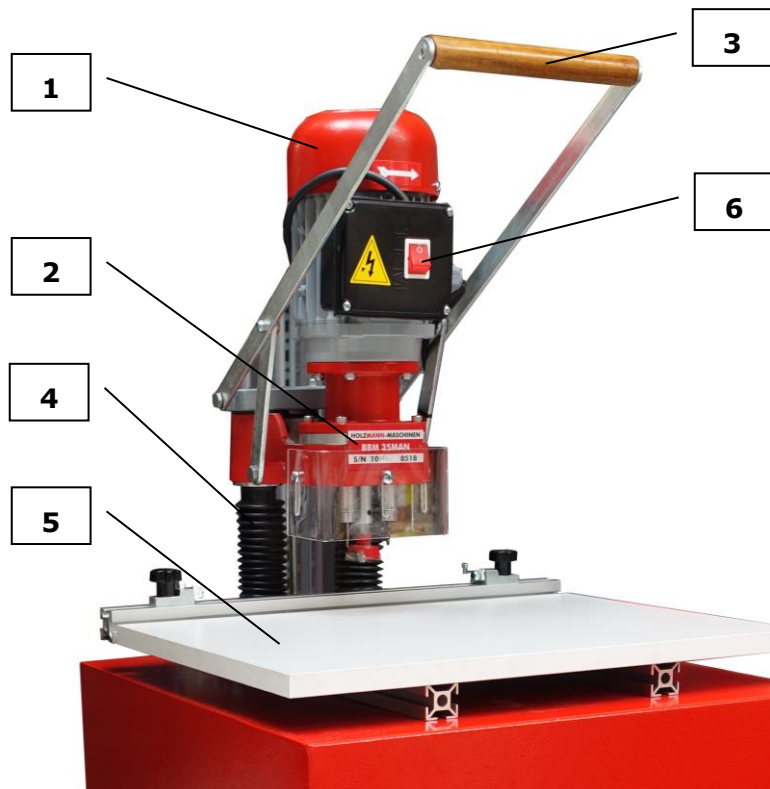
DE Warnung vor wegschleudernden Teilen!

EN Warning against thrown-off items!

3 TECHNIK / TECHNICS

3.1 Komponenten / components

3.1.1 BBM 35MAN



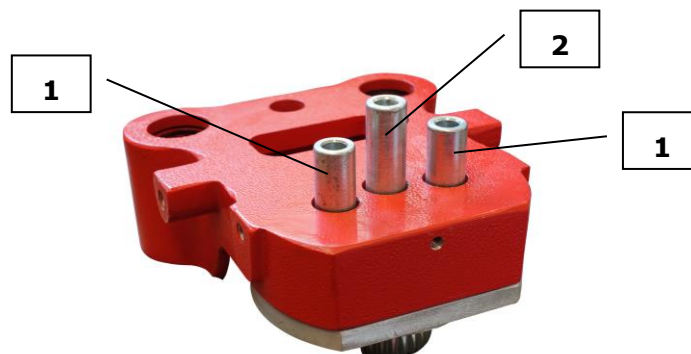
	BBM 35MAN
1	Motor / motor
2	Bohrgetriebe / drilling gear
3	Hebel / lever
4	Führung / guidance bars
5	Arbeitstisch / work table
6	Ein-Aus Schalter / on-off switch

3.1.2 BBM 35MS (optional)



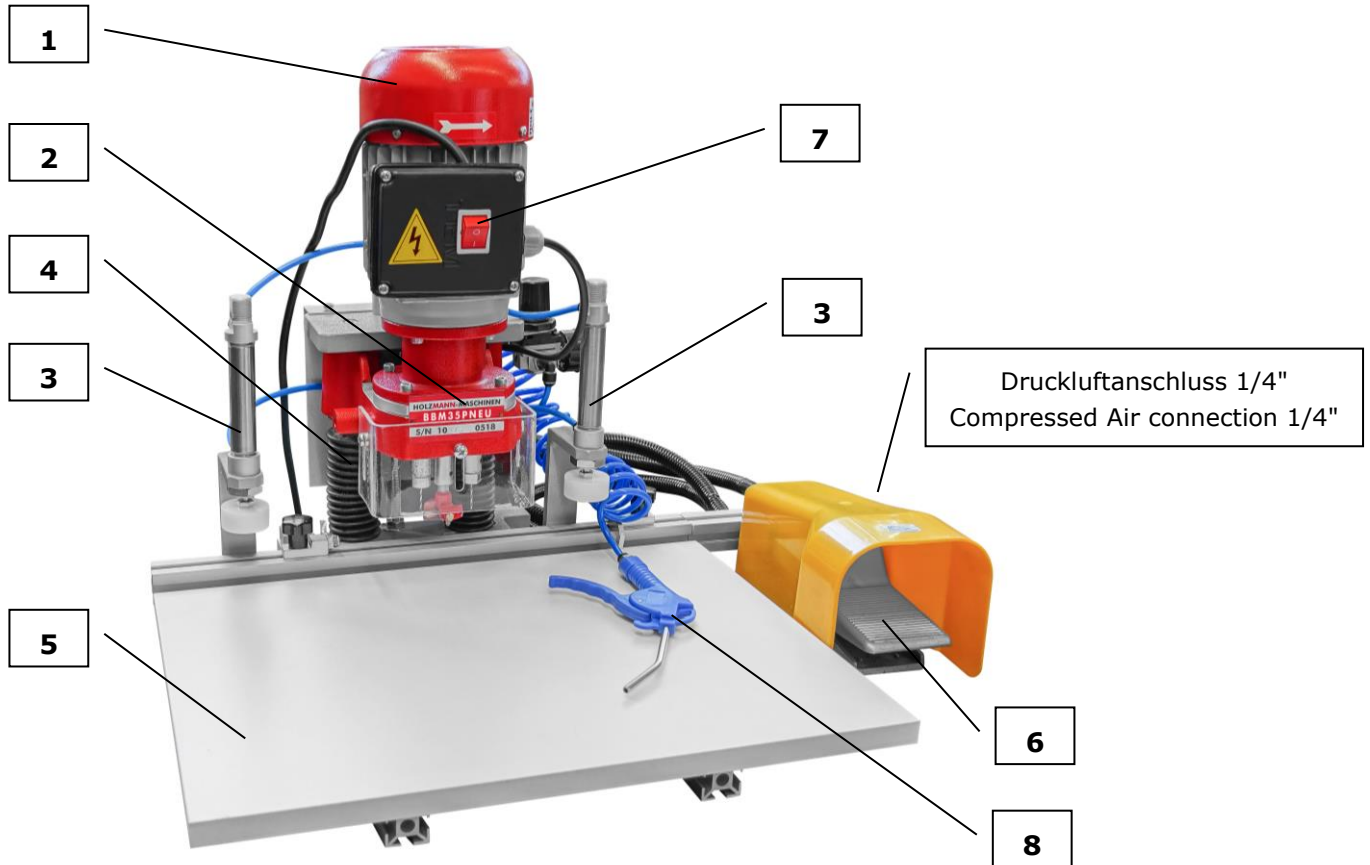
	BBM 35MS (optional)
1	Stand / stand
2	Tür / door
3	Schloss / lock

3.1.3 BBM 35 HETTICH WK (optional)



	BBM 35 HETTICH WK (optional)
1	Bohreraufsatz 2 mm / drill attachment 2mm
2	Fräseraufsatz 35 mm / milling cutter attachment 35 mm

3.1.4 BBM 35PNEU



	BBM 35PNEU
1	Motor / motor
2	Bohrgetriebe / drilling gear
3	Pneumatikzylinder / pneumatic cylinder
4	Führung / guidance bars
5	Arbeitstisch / work table
6	Fußpedal / foot pedal
7	Ein-Aus Schalter / on-off switch
8	Ausblaspistole / air gun

3.2 Lieferumfang / delivery content

3.2.1 BBM 35MAN

	Maschine wie beschrieben / machine as described
	2 x 2,5 mm Inbusschlüssel / 2 x 2.5 mm Allen key
	2 x ø2 mm Bohrer / 2 x ø2 mm drill
	1 x 35 mm Fräser / 1 x 35 mm milling cutter

3.2.2 BBM 35PNEU

	Maschine wie beschrieben / machine as described
	2 x 2,5 mm Inbusschlüssel / 2 x 2.5 mm Allen key
	2 x 5 mm Inbusschlüssel / 2 x 5 mm Allen key
	2 x ø2 mm Bohrer / 2 x ø2 mm drill
	1 x 35 mm Fräser / 1 x 35 mm milling cutter
	2 x Verlängerungen (500 mm) / 2 x enlargements (500 mm)
	2 x Verbindungsstücke / 2 x connection pieces

3.2.3 BBM 35MS (optional) für beide Maschinen / for both machines

Stand wie beschrieben / stand as described
Schloss + Mutter / lock + nut
2 x Schraube + Mutter / 2 x screw + nut

3.3 Technische Daten / technical details

		BBM 35MAN	BBM 35PNEU
Motorleistung / motor power	W	750	750
Motordrehzahl / rotation speed	min ⁻¹	2800	2800
Spannung / voltage	V/Hz	230 / 50 Hz	230 / 50 Hz
Durchmesser Scharnierfräser / hinge milling cutter diameter	mm	35	35
Durchmesser seitliche Bohrer / side drills diameter	mm	2	2
max. Abstand Tisch-Spindel / max. distance table-spindle	mm	80	80
max. Abstand Tisch-Bohrer / max. distance table-drill	mm	50	50
Arbeitstisch / work table size	mm	500x350	500x350
Außenmaße / overall size	mm	500x500x520	500x500x520
Nettogewicht / netto weight	kg	19	25
Scharniertypen / hinge typ		Blum	Blum
Anschalgbreite (inkl. Verbreiterungen) / fence width (incl. enlargements)	mm	500	500 (1500)
Benötigte Druckluft / required air pressure	bar		6-8
Max. Bohrtiefe / max. drilling depth	mm	20	20
Stand (optional) / stand (optional)	mm	900x500x500	900x500x500
Werkstück Mindestlänge / workpiece min. length	mm	180	180

10 PREFACE (EN)

Dear Customer!

This manual contains information and important instructions for the installation and correct use of the hinge slot machine BBM 35MAN / BBM 35PNEU.

Following the usual commercial name of the device (see cover) is substituted in this manual with the name "machine".

This manual is part of the product and shall not be stored separately from the product. Save it for later reference and if you let other people use the product, add this instruction manual to the product.



Please read and obey the security instructions!

Before first use read this manual carefully. It eases the correct use of the product and prevents misunderstanding and damages of product and the user's health.

Due to constant advancements in product design, construction pictures and content may diverse slightly. However, if you discover any errors, inform us please.
Technical specifications are subject to changes!

Please check the product contents immediately after receipt for any eventual transport damage or missing parts.

Claims from transport damage or missing parts must be placed immediately after initial product receipt and unpacking before putting the product into operation.

Please understand that later claims cannot be accepted anymore.

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Court of jurisdiction is the Landesgericht Linz or the competent court for 4170 Haslach, Austria!

Customer service contact

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11 SAFETY

11.1 Intended Use

Use the machine only in technically perfect condition in accordance with, safety and danger! Interference, which could affect safety, must be rectified immediately!

It is generally prohibited to modify safety equipment of the machine or to make ineffective!

The hinge slot machine BBM 35MAN / BBM 35PNEU is intended exclusively for drilling hinge slots. Use only wooden workpieces.

Stick to the min. and max. workpiece dimensions.

For another, or use beyond that and resulting damage or injuries accepts HOLZMANN MASCHINEN no responsibility or warranty.

11.1.1 Working conditions

The machine is designed for the work under the following conditions:

humidity	max. 70%
temperature	+5°C to +40°C +41°F to +104°F

The machine is not intended for outdoor use.

The machine is not intended for use in potentially hazardous conditions.

11.2 Prohibited use

- The operation of the machine under conditions outside of the limits, given in these instructions is not permitted.
- The operation of the machine without the safety devices provided is inadmissible
- The removal or turning off the protection devices is prohibited
- It is not permitted processing of materials with dimensions outside the limits specified in the technical details.
- It is not permitted the use of tools that are not suitable for use with BBM 35MAN / 35PNEU.
- The operation of the machine on a way or for any purpose that does not comply with the instructions of this manual to 100%, is prohibited.
- Do not leave the machine unattended, especially when children are not around. DO NOT LEAVE the workplace!
- Only use impeccable undamaged drills

For a different or additional use and resulting property damage or injury takes HOLZMANN-MASCHINEN no responsibility or warranty.

11.3 General Safety

Missing or non-readable security stickers have to be replaced immediately!

The locally applicable laws and regulations may specify the minimum age of the operator and limit the use of this machine!

To avoid malfunction, machine defects and injuries, read the following security instructions!

- **Keep your work area dry and tidy! An untidy work area may cause accidents. Avoid slippery floor.**
- **Make sure the work area is lighted sufficiently**
- **Make sure that the work area is well ventilated**
- **Do not overload the machine**
- **Provide good stability and keep balance all times**
- **Avoid abnormal working postures! Make sure you stand squarely and keep balance at all times.**
- **Keep away from the running drill!**
- **Always stay focused when working. Reduce distortion sources in your working environment. The operation of the machine when being tired, as well as under the influence of alcohol, drugs or concentration influencing medicaments is forbidden.**
- **Do not climb onto the machine!**
- **Attach the machine to the underground**
- **Respectively trained people only and only one person shall operate the machine.**
- **Do not allow other people, particularly children, to touch the machine or the cable. Keep them away from your work area.**
- **Make your workshop childproof.**
- **Make sure there is nobody present in the dangerous area. The minimum safety distance is 2m**
- **Wear suitable work clothes! Do not wear loose clothing or jewelry as they might be caught and cause severe accidents!**
- **Wear a hair net if you have long hair.**
- **Loose objects can become entangled and cause serious injuries!**
- **Use personal safety equipment: ear protectors, dust mask and safety goggles when working with the machine.**
- **Operation with gloves forbidden!**
- **Never leave the machine running unattended! Before leaving the working area switch the machine off and wait until the machine stops.**
- **Always disconnect the machine prior to any actions performed at the machine.**
- **Avoid unintentional starting**
- **Do not use the machine with damaged switch**
- **The plug of an electrical tool must strictly correspond to the socket. Do not use any adapters together with earthed electric tools**
- **Each time you work with an electrically operated machine, caution is advised! There is a risk of electric shock, fire, cutting injury;**
- **Protect the machine from dampness (causing a short circuit)**
- **Use power tools and machines never in the vicinity of flammable liquids and gases (danger of explosion)**
- **Check the cable regularly for damage**
- **When working with the machine outdoors, use extension cables suitable for outdoor use**
- **Do not use the cable to carry the machine or to fix the work piece**
- **Protect the cable from heat, oil and sharp edges**
- **Avoid body contact with earthed**
- **Rotating parts can cause severe cut injuries**
- **Keep the drills sharp and clean, so they get stuck less often and are easier to guide**
- **Keep any machine that is not being used out of reach of children**



NOTICE

Emergency procedure

A first aid kit in accordance with ISO 3864 should always be readily available for a possible accident. Initiate the violation in accordance with the necessary first aid measures. When requesting support, provide the following details:

1. Place of accident

2. Type of accident

3. Number of injured people

4. Type of injuries

11.4 Remaining risk factors

Even if they meet all the safety rules and if used properly, the following residual risks are noted:

- Risk of injury to the hands / fingers during operation.
- Danger from inhalation of toxic wood dust in chemically treated workpieces.
- Risk of injury from contact with live electrical components.
- Risk of injury due to breakage or being thrown out of the drill, especially under heavy congestion.
- Hearing damage unless precautions have been taken by the user of hearing protection.
- Risk of injury to the eye by flying debris.

These risks can be minimized if all safety regulations are applied, the machine is properly maintained and serviced the machine as intended and is operated by properly trained personnel. Despite all safety devices and remains their healthy common sense and your corresponding technical suitability / training to operate a machine such as the lathe BBM 35MAN / BBM 35PNEU of the most important safety factor!

12 ASSEMBLY

12.1 Preparatory activities

12.1.1 Delivery content

Please check the product contents immediately after receipt for any eventual transport damage or missing parts. Claims from transport damage or missing parts must be placed immediately after initial machine receipt and unpacking before putting the machine into operation. Please understand that later claims cannot be accepted anymore.

12.1.2 Workplace requirements

Select a suitable place for the machine.

Observe the safety requirements of Chapter **11** and the dimensions of the machine in the technical details.

The place chosen must guarantee a suitable connection to the electrical grid and a connection to a 6-8 bar compressed air supply system (only BBM 35PNEU).

12.1.3 Preparation of the surface



NOTE

The use of paint thinners, gasoline, corrosive chemicals or abrasive cleaners will result in damage to the surface!

Therefore:

When cleaning, use only mild detergent

12.2 Assembly

12.2.1 Fixing the machine

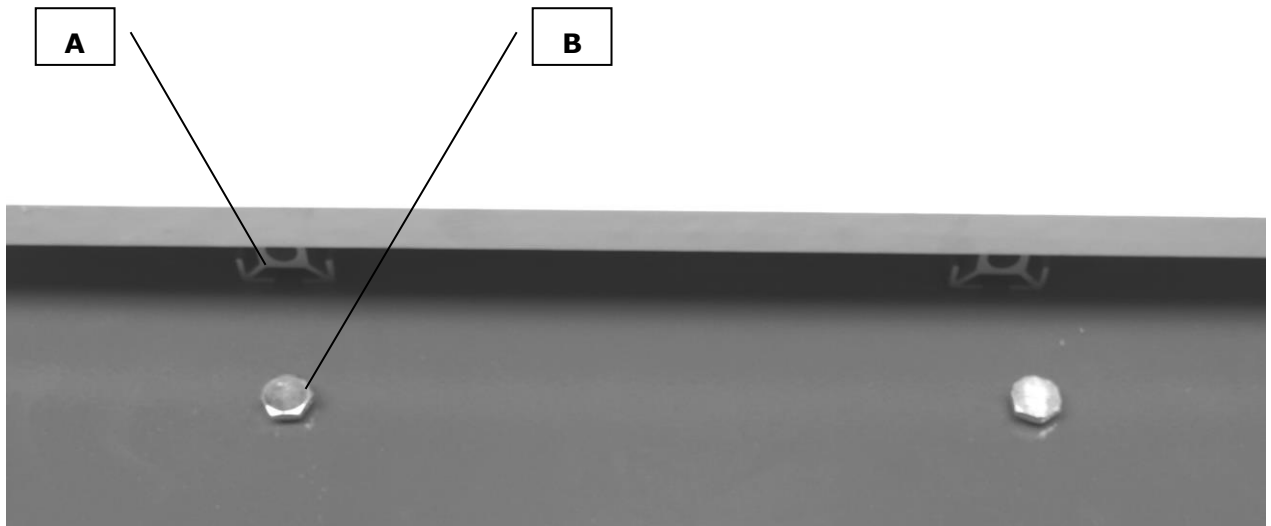
The frame of the machine consists of aluminium profiles. Slide screws with the head into the profiles. Stick the screws through the holes and tighten them to fix the machine (see 11.2.2 Fixing the machine on the stand).

When you drill the holes, be aware that the distance of the midpoints of the aluminium profiles is 222 mm. The holes need to have the same distance from each other.

12.2.2 Fixing the machine on the stand

The stand is provided with holes on the upper side, which are used for fixing the machine on the table.

The frame of the machine consists of aluminium profiles (A). Take the provided screws (B) and slide them with the head into the profiles. Stick the screws through the provided holes and tighten them to fix the machine on the stand.



12.2.3 Fixing the fence extensions (BBM 35PNEU)

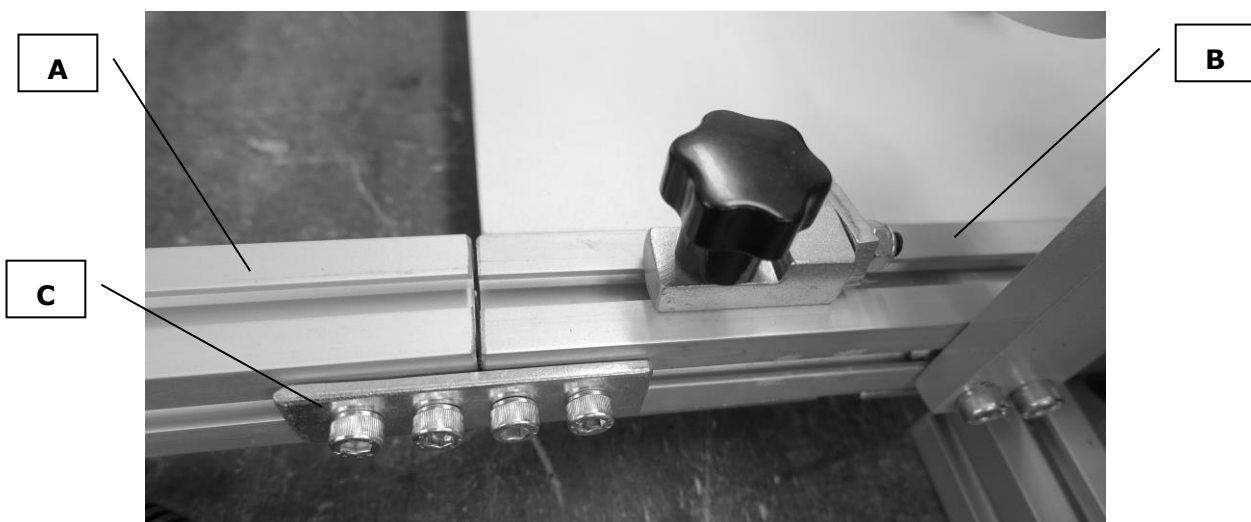
The machine is provided with two 500 mm extensions (A) for the main fence (B). They can be fixed at the end of the main fence.

Only fix one extension per side.

Inset the connection piece (C) in the slot of the main fence.

Use the slot on the elongation to slide it on the connection piece.

Tighten the screws on the connection piece.



12.3 POWER SUPPLY

	ATTENTION
	When working with non-grounded machines: Severe injury or even death may arise though electrocution! Therefore: The machine must be operated at a grounded power socket

The connection of the machine to the electric power supply and the following checks have to be carried out by a respectively trained electrician only.

1. The electronic connection of the machine is designated for operation with a grounded power socket!
2. The connector plug may not be manipulated.
3. The main supply must be secured with 16A:
4. If the connector plug does not fit or if it is defect, only qualified electricians may modify or re-new it!
5. The grounding wire should be held in green-yellow.
6. A damaged cable has to be exchanged immediately!
7. Check, whether the feeding voltage and the Hz comply too the required values of the machine. A deviation of feeding voltage of $\pm 5\%$ is allowed.
8. Make sure that a possible extension cord is in good condition and suitable for the transmission of power. An undersized cord reduces the transmission of power and heats up.
9. A damaged cable must be replaced immediately

	NOTICE	
	Operation is only allowed with safety switch against stray current (RCD max. stray current of 30mA)	

	NOTICE		
	Use only permitted extension cable with cross-section the one in the following table declared.		
Voltage	Extension	Cross-section	
220 V-240 V 50 Hz	<27 m	1,5 mm ²	
	<44 m	2,5 mm ²	
	<70 m	4,0 mm ²	
	<105 m	6,0 mm ²	

13 OPREATION

Operate the machine only in perfect condition. Before each use, a visual inspection of the machine must be carried out. Safety devices, electrical cables and controls must be inspected carefully. Check screw connections for damage and tightness.

13.1 Operating Instructions



WARNING

Perform all conversion work only separation from the mains by!

13.1.1 Start / Stop (BBM 35MAN)

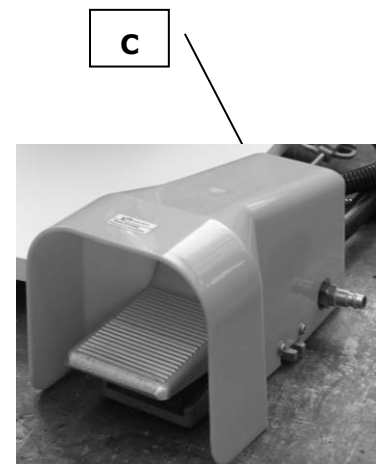
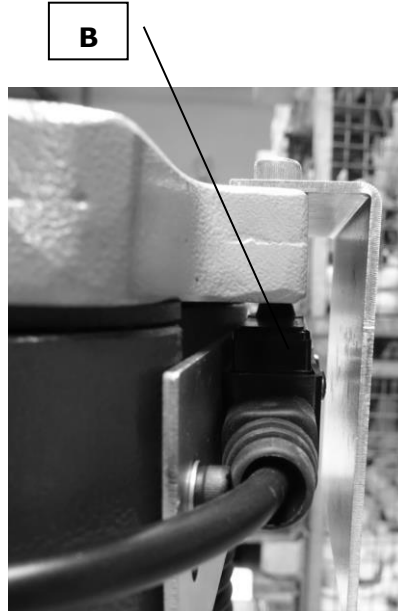
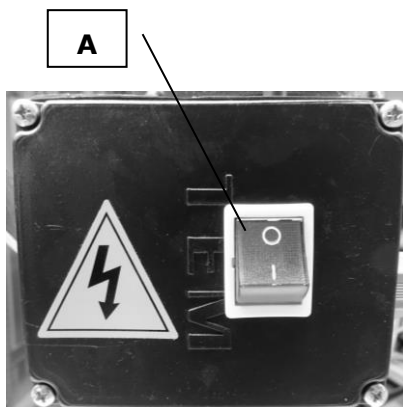
Use the red switch (A) to supply the machine with power.

In order to start the drill, press down the lever. The end switch (B) is released and the motor starts turning.

13.1.2 Start / Stop (BBM 35PNEU)

Use the red switch (A) to supply the machine with power.

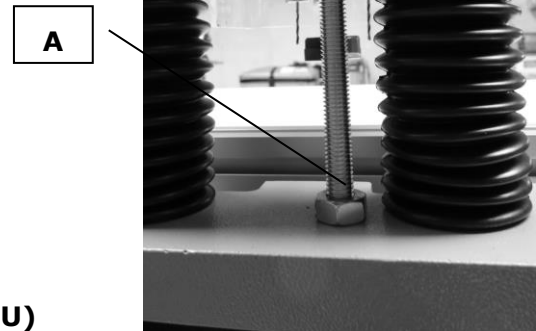
Press the foot pedal down (C) to start the drilling process.



13.1.3 Adjustment of the drilling depth

The moving range of the drilling device is limited by an adjustment screw (A).

The drilling depth can be set, by adjusting the screw.



13.1.4 Adjusting down holds (BBM 35PNEU)

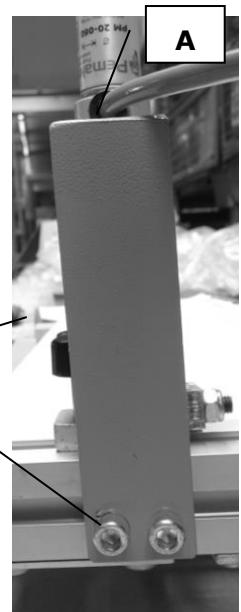
The machine is provided with two pneumatic down holds (A).

They can be adjusted in their position.

The minimum distance between the down holds is about 160 mm.

The maximum distance depends on the length of the pneumatic hose and is about 370 mm.

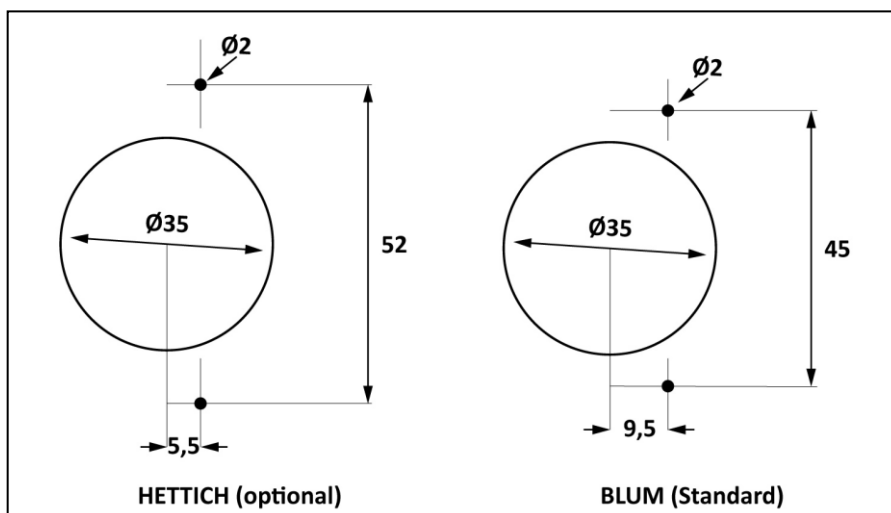
To position the down holds, start with loosen the screws (B). Move the down holds along the slot until (C) the desired position is reached. Tighten the screws again.



13.1.5 Changing the drilling gear

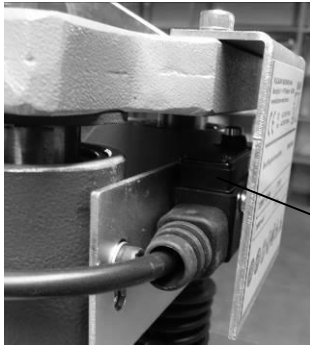
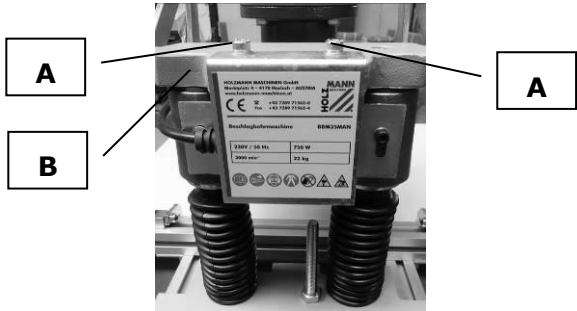
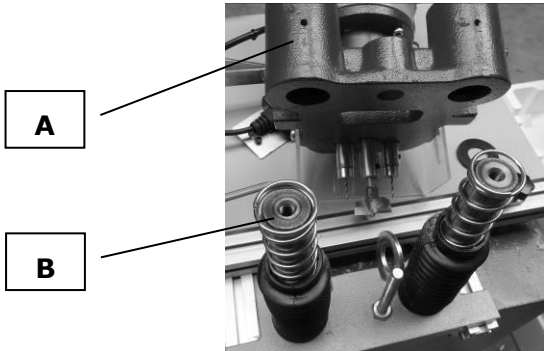
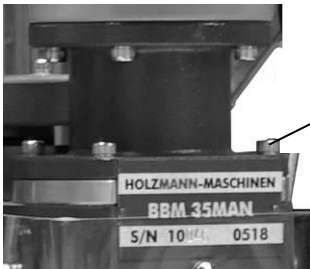
The machine is able to drill hinge slots of two different kinds.

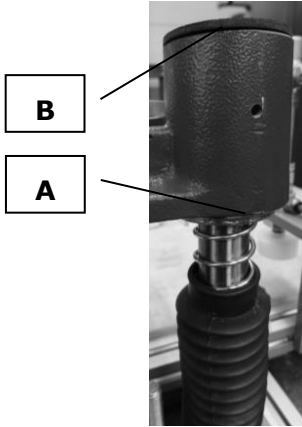
Possible hinge slot types: Hettich / Blum



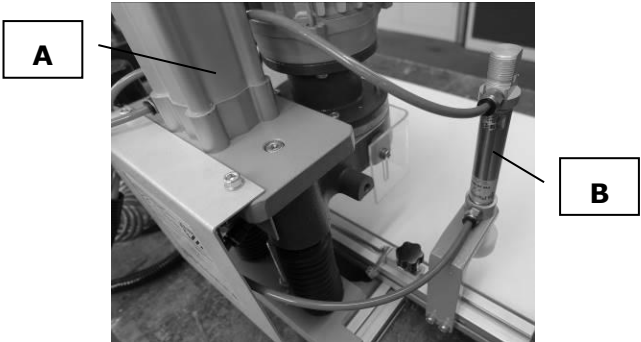
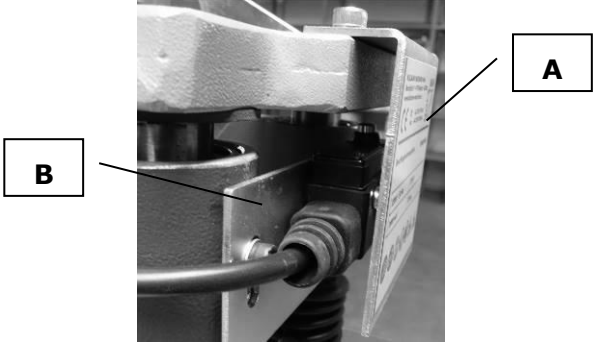
To change between the two types, the drilling gear as to be switched. Originally the drilling gear for Blum is equipped.

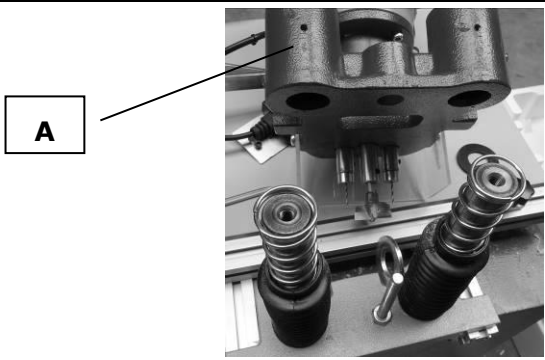
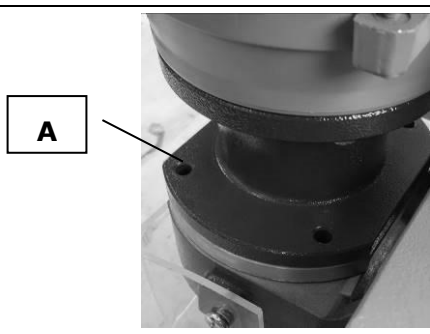
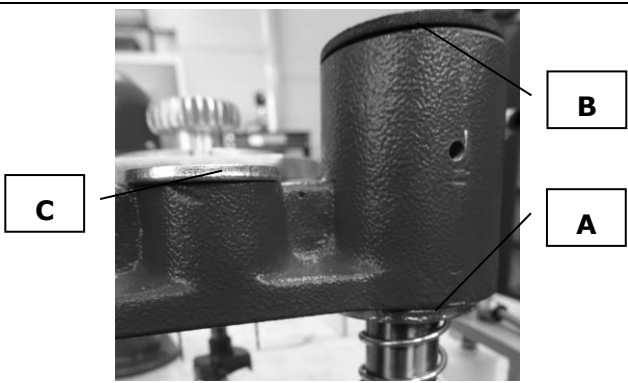
13.1.6 Changing the drilling gear for BBM 35MAN

1. To switch the drilling gear (A) start with removing the screws (B) which connect the lever and the drilling gear.	
2. Remove the end switch (A) on the backside of the drilling gear, by removing the screws.	
3. Remove the screws (A) at the upper end of the guidance bar. Remove the connection piece (B) between the two guidance bars.	
4. Lift drilling gear + motor (A) out of the guidance bars (B).	
5. Remove the screws (A) between the motor flange and the drilling gear. Fix the motor on the other drilling gear.	
6. Put the drilling gear and the motor back in.	

7. Put the metallic washer (A) between the spring and the drilling gear. Put the rubber washer (B) between the drilling gear and the connection piece.	
8. Put the machine back together.	

13.1.7 Changing the drilling gear for BBM 35PNEU

1. Loosen the pneumatic connections of the main cylinder (A) and the two side cylinders (B).	
2. Remove the cover (A) and the plate (B) on which the end switch and the pneumatic valve are attached.	
3. Loose the connection (A) between the piston and the drilling gear with a 24 mm wrench.	
4. Remove the screws (A) at the upper side of the guidance bars. Remove the connection piece (B) and the cylinder(C).	

5. Lift drilling gear + motor (A) out of the guidance bars.	
6. Remove the screws (A) between the motor flange and the drilling gear. Fix the motor on the other drilling gear.	
7. Put the motor and the drilling gear back in.	
8. Put the metallic washer (A) between the spring and the drilling gear. Put the rubber washer (B) between the drilling gear and the connection piece. When connecting the piston with the drilling gear, put a metallic washer (C) on the upper and lower side of the drilling gear.	
9. Put the machine back together.	

Take care to install the pneumatic hoses in the correct way.

After the assembly, if you have the problem that the cylinders do not get air pressure in the downward movement, there is the possibility that the pneumatic hoses of the valve (H) were swapped during the assembly.



13.2 Operating

13.2.1 Operation BBM 35MAN

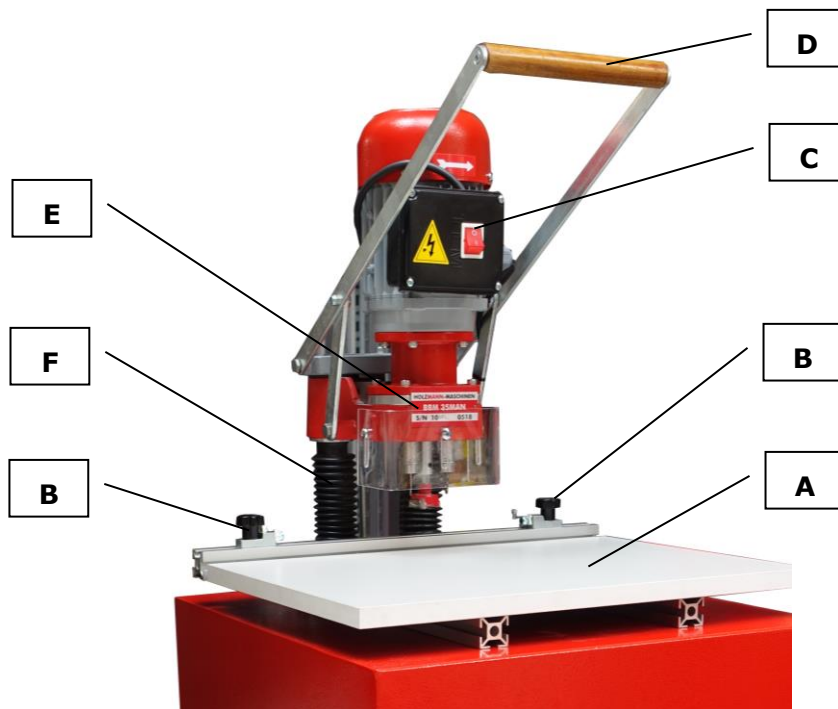
Put the workpiece on the working table (A). To avoid sideward shifting of the workpiece, use the side clamps (B).

Press the red switch (C) to supply the machine with power.

Press the lever (D) down the full range.

The drilling device (E) is guided by guidance bars (F) and is equipped with a spring reset.

If you let loose of the lever, it returns back in its original position.



13.2.2 Operating BBM 35PNEU

Put the workpiece on the working table (A). To avoid sideward shifting of the workpiece, use the side clamps (B).

Press the red switch (C) to supply the machine with power.

Press the foot pedal (D).

The three drills start turning and the pneumatic cylinder is pushing the drilling device (E) down on the workpiece. Two pneumatic cylinders (F) are clamping the workpiece.

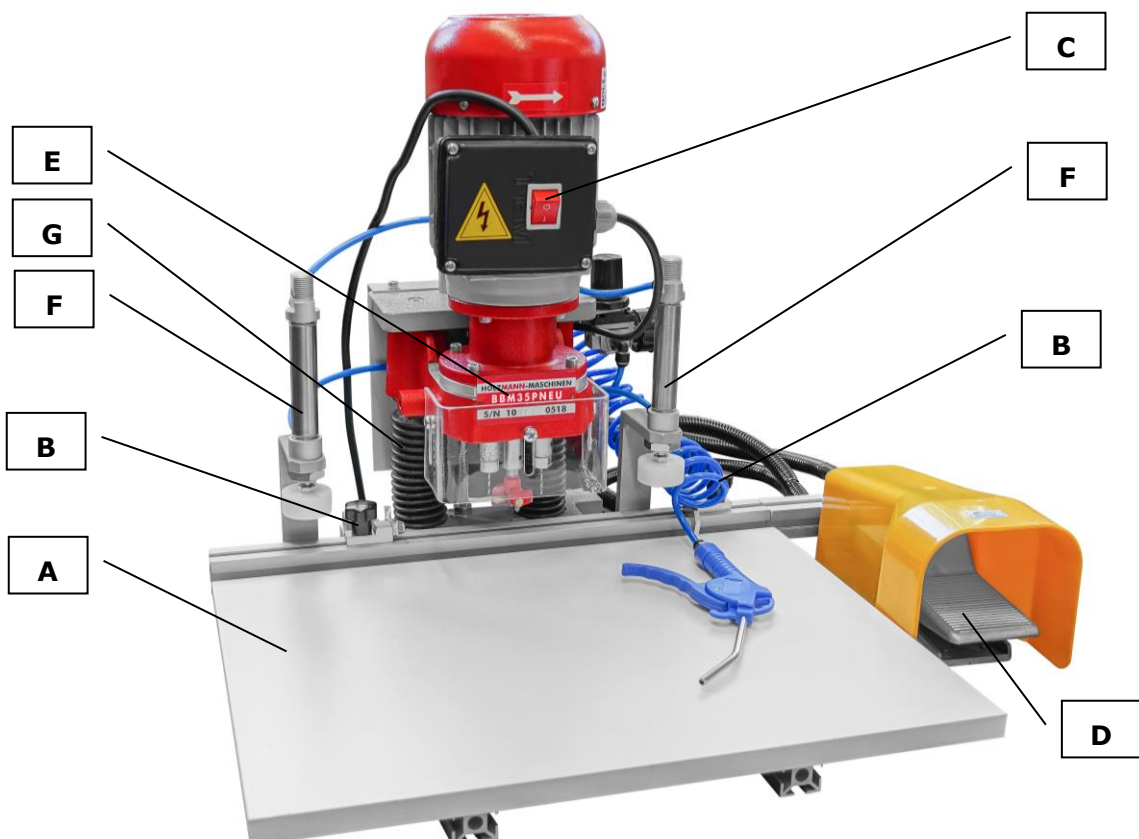
The operator of the machine has to watch out for crushing hazard due to the cylinders.

The foot pedal has to be pressed until the drilling device is stopped by the adjustment screw.

After releasing the foot pedal, the cylinder is pushing the drilling device back to its original position.

The drilling device is guided by guidance bars (G) and is equipped with a spring reset.

If the cylinder is not supplied with air pressure anymore, it returns back in its original position.



14 MAINTENANCE AND CARE



⚠ ATTENTION

**During cleaning and maintenance with connected machine:
Property damage and serious injury from inadvertent switching on the machine!**

Therefore:

Switch the machine off and disconnect it from the power supply before any maintenance work or cleaning is carried out

The machine does not require extensive maintenance.

Faults or defects that may affect the safety of the machine must be rectified immediately.

- The full and regular cleaning of the machine ensures a long life and is a safety requirement. Use only mild cleaning-supply medium, that means: no gasoline, kerosene, soda etc ...
- Check regularly that the warning and safety of the machine present and properly legible condition.
- When storing the machine must not be stored in a humid place and needs to be protected from the influence of weather conditions.
- Check at least weekly all screws are tight.

+

- **The elimination of defects done your dealer**
- **Repair work may be carried out by qualified personnel**

14.1 Changing drills / mills



WARNING

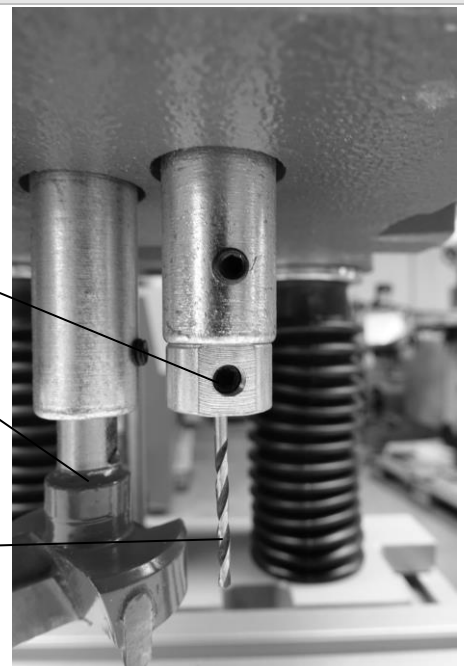
**When working with the drills always wear protective gloves!
Injuries to the hands from sharp cutting edges!**

The drill is fixed in the drill adaptor with a screw (A).

By loosen the worm screw with a 2.5 Allen key you can remove the drill (B).

Put the new drill in the drill adaptor and tighten the screw.

The principle of changing the milling cutter (C) is exactly the same.



14.2 Cleaning



NOTE

The use of solvents, harsh chemicals or abrasive cleaners leads to damage to the machine!

Therefore: When cleaning water and mild detergent if necessary use.

Bare surfaces of the machine against corrosion impregnate (with anti-rust WD40)

14.3 Disposal

Do not dispose of the machine in residual waste. Contact your local authorities for information regarding the available disposal options. When you buy at your local dealer for a replacement unit, the latter is obliged to exchange your old

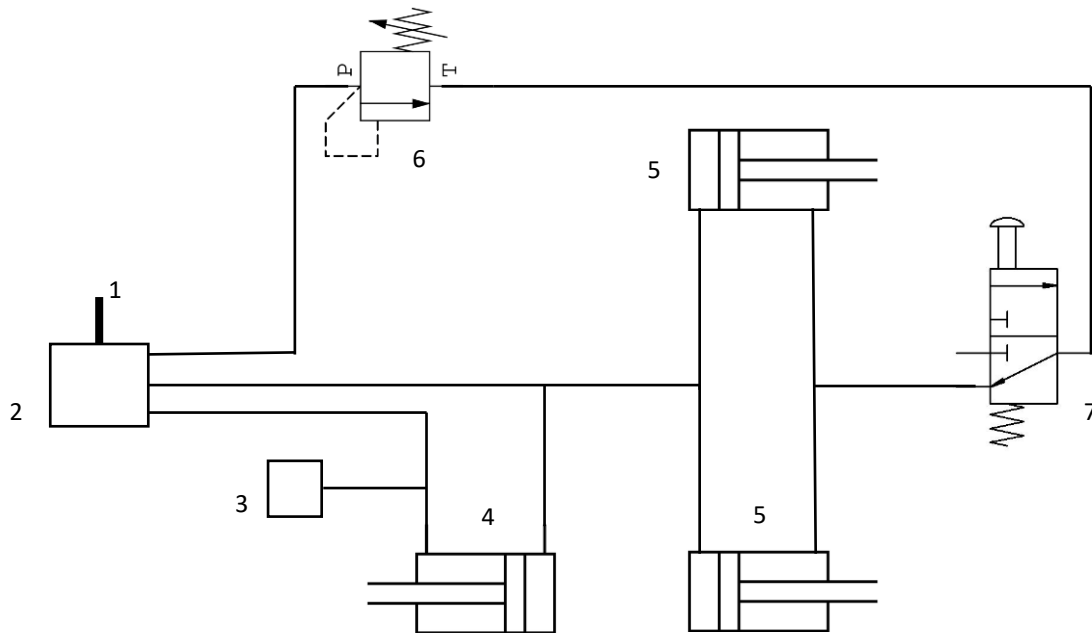


15 TROUBLE SHOOTING

Switch the machine off and disconnect it from the power supply before any fixing work is carried out!

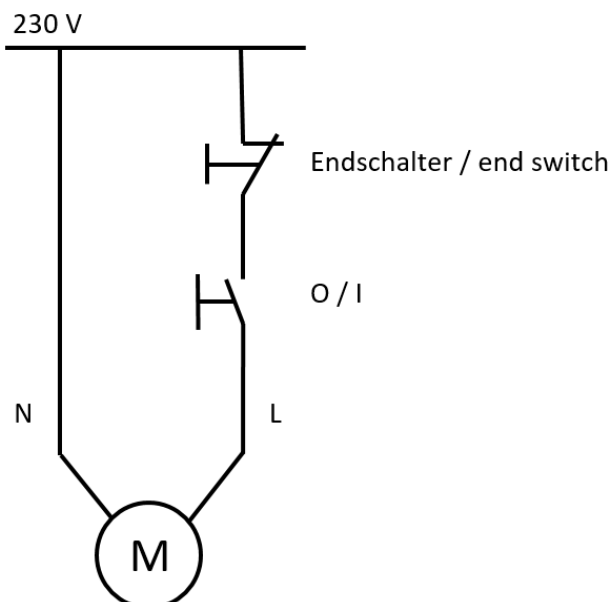
Error	Potential cause	Trouble shooting
machine is not starting	- machine is not connected to the power supply - cutout is damaged - wire is damaged	ρ control all el. connections ρ change cutout ρ change wire
Motor is starting but the cylinders do not move	cylinders are not supplied with air pressure	ρ control pneumatic connections ρ control the air supply system
machine vibrates strongly	- standing on uneven ground - blunt drills	ρ levelling out horizontally ρ sharpen / renew drills

16 PNEUMATIKPLAN / PNEUMATICPLAN



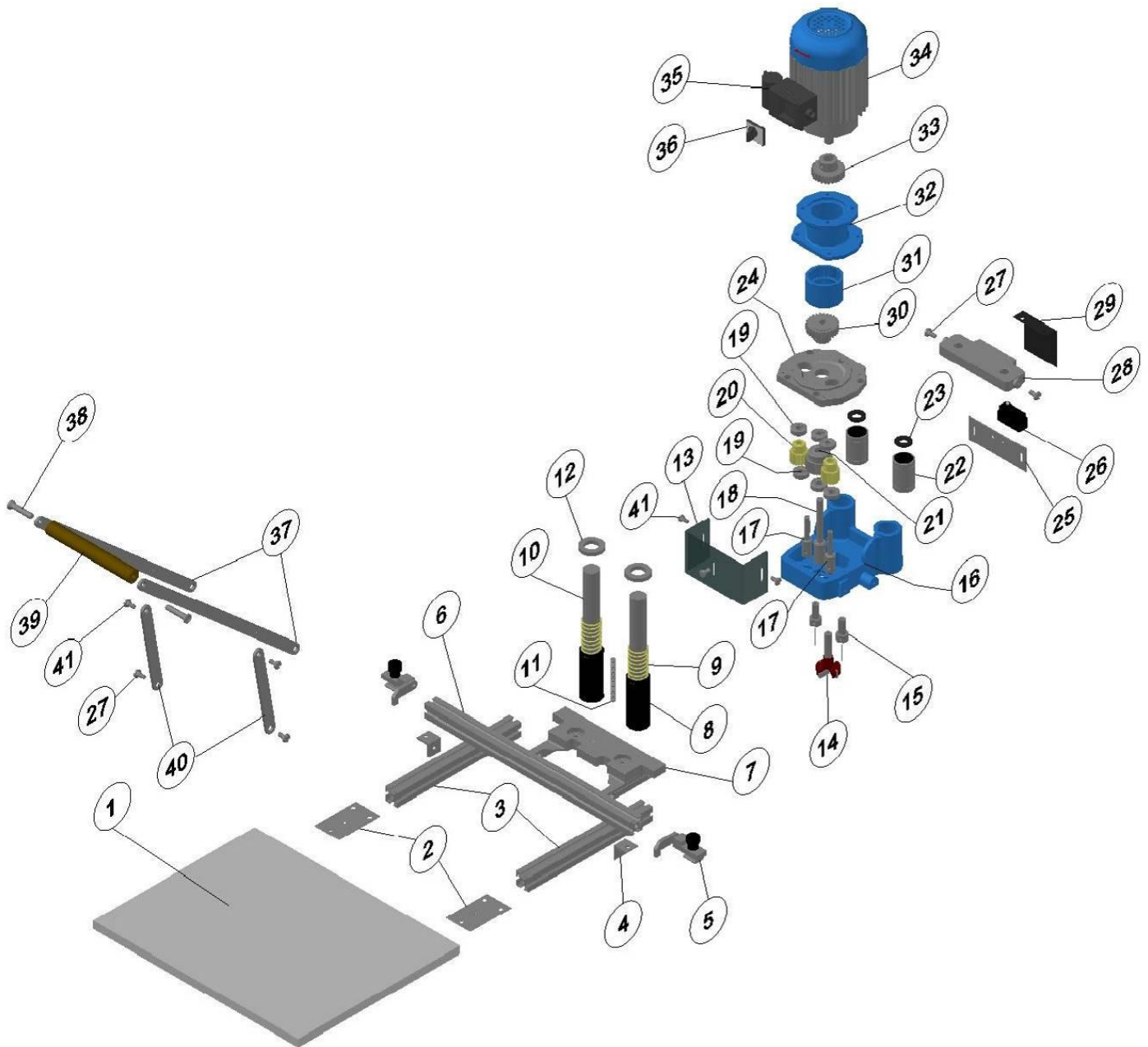
	BBM 35PNEU
1	Luftanschluss 1/4" / air connection 1/4"
2	Fußpedal / foot pedal
3	Ausblaspistole / air gun
4	Hauptzylinder / main cylinder
5	Niederhalter / down hold
6	Druckbegrenzungsventil / pressure control valve
7	Mechanisch betätigtes Ventil / mechanically triggered valve

17 ELEKTROSCHALTPLAN / WIRING DIAGRAM



18 EXPLOSIONSZEICHNUNGEN / EXPLODED DRAWINGS

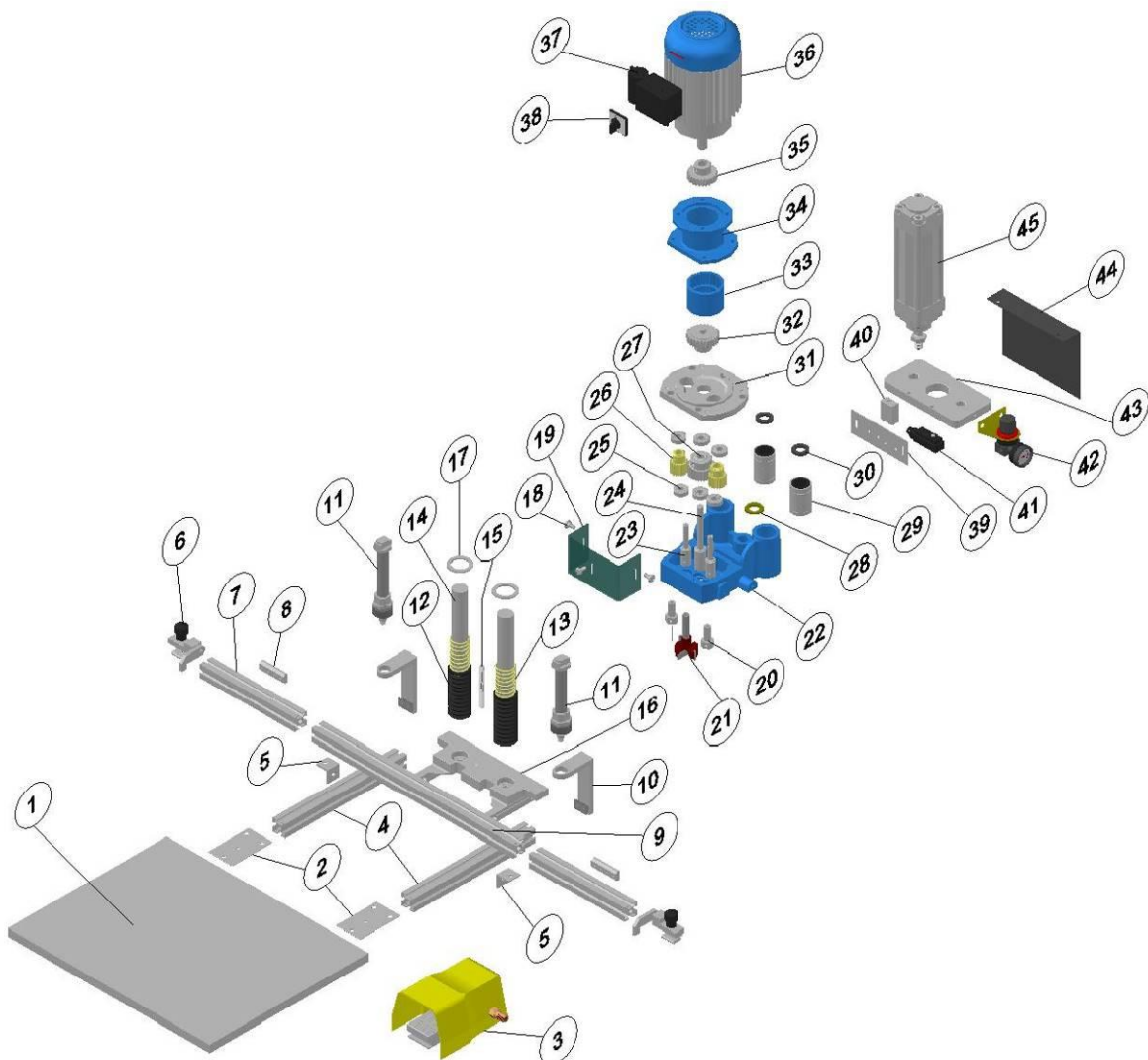
18.1 Explosionszeichnung / exploded drawing BBM 35MAN



Nr	Bezeichnung	Anz	Nr	Bezeichnung	Anz
1	Arbeitstisch	1	22	Linearkugellager	2
2	Tischfixierung	2	23	Gummi-Beilagscheiben	2
3	Schiene	2	24	Getriebedeckel	1
4	Winkel	2	25	Platte	1
5	Klemmen	2	26	Endschalter	1
6	Anschlag	1	27	Schraube-Hebel	2
7	Unterteil-Führung	1	28	Oberteil-Führung	1

8	Schutzmembran	2	29	Abdeckung	1
9	Feder	2	30	Kupplungszahnrad unten	1
10	Führungssachse	2	31	Kupplung	1
11	Adjustierschraube	1	32	Flansch	1
12	Beilagscheibe-Führung	2	33	Kupplungszahnrad oben	1
13	Schutzvorrichtung	1	34	Motor	1
14	Fräseraufnahme	1	35	Elektrokasten	1
15	Bohreraufnahme	2	36	Ein-Aus Schalter	1
16	Getriebegehäuse	1	37	Hebelarm	2
17	Bohrerwelle	2	38	Schraube-Griff	2
18	Fräserwelle	1	39	Griff	1
19	Lager	6	40	Hebel-Verbindungsstück	2
20	Zahnrad	2	41	Schraube-Verbindungsstück	2
21	Ritzelrad	1			

18.2 Explosionszeichnung / exploded drawing BBM 35PNEU



Nr	Bezeichnung	Anz	Nr	Bezeichnung	Anz
1	Arbeitstisch	1	24	Fräserwelle	1
2	Tischfixierung	2	25	Lager	6
3	Fußpedal	1	26	Getrieberad	2
4	Schiene	2	27	Ritzelrad	1
5	Winkel	2	28	Beilagscheibe-Zylinder	1
6	Klemmen	2	29	Linearkugellager	2
7	Anschlagverlängerung	2	30	Gummi-Beilagscheibe	2
8	Verbindungsstück	2	31	Getriebedeckel	1
9	Anschlag	1	32	Kupplungszahnrad unten	1
10	Halter-Zylinder	2	33	Kupplung	1
11	Niederhalter	2	34	Flansch	1
12	Schutzmembran	2	35	Kupplungszahnrad oben	1
13	Federn	2	36	Motor	1
14	Führungssachse	2	37	Elektrokasten	1
15	Adjustierungsschraube	1	38	Ein-Aus Schalter	1
16	Unterteil-Führung	1	39	Platte	1
17	Beilagscheibe	2	40	Ventil	1
18	Schraube-Schutzvorrichtung	3	41	Endschalter	1
19	Schutzvorrichtung	1	42	Druckbegrenzer	1
20	Bohrerhalterung	2	43	Oberteil-Führung	1
21	Fräserhalterung	1	44	Abdeckung	1
22	Getriebegehäuse	1	45	Hauptzylinder	1
23	Bohrerwelle	2			

19 ERSATZTEILE / SPARE PARTS

19.1 Ersatzteilbestellung / spare parts order

Mit HOLZMANN-Ersatzteilen verwenden Sie Ersatzteile, die ideal aufeinander abgestimmt sind. Die optimale Passgenauigkeit der Teile verkürzen die Einbauzeiten und erhöhen die Lebensdauer.

HINWEIS

Der Einbau von anderen als Originalersatzteilen führt zum Verlust der Garantie!

Daher gilt: Beim Tausch von Komponenten/Teilen nur Originalersatzteile verwenden

Beim Bestellen von Ersatzteilen verwenden Sie bitte das Serviceformular, das Sie am Ende dieser Anleitung finden. Geben Sie stets Maschinentype, Ersatzteilnummer sowie Bezeichnung an. Um Missverständnissen vorzubeugen, empfehlen wir mit der Ersatzteilbestellung eine Kopie der Ersatzteilzeichnung beizulegen, auf der die benötigten Ersatzteile eindeutig markiert sind.

[Bestelladresse sehen Sie unter Kundendienstadressen im Vorwort dieser Dokumentation.](#)

With original HOLZMANN spare parts you use parts that are attuned to each other shorten the installation time and elongate your products lifespan.

IMPORTANT

The installation of other than original spare parts voids the warranty!

So you always have to use original spare parts

When you place a spare parts order please use the service formular you can find in the last chapter of this manual. Always take a note of the machine type, spare parts number and partname. We recommend to copy the spare parts diagram and mark the spare part you need.

[You find the order address in the preface of this operation manual.](#)

20 EG-KONFORMITÄTSERKLÄRUNG/CE-CERTIFICATE OF CONFORMITY

	Inverkehrbringer / Distributor HOLZMANN MASCHINEN® GmbH 4170 Haslach, Marktplatz 4, AUSTRIA Tel.: +43/7289/71562-0; Fax.: +43/7289/71562-4 www.holzmann-maschinen.at
Bezeichnung / name	
BESCHLAGBOHRMASCHINE / HINGE SLOT MACHINE	
Typ / model	
BBM 35MAN/BBM 35PNEU	
EG-Richtlinien / EC-directives	
• 2006/42/EG	
Angewandte Normen / applicable Standards	

Hiermit erklären wir, dass die oben genannten Maschinen aufgrund ihrer Bauart in der von uns in Verkehr gebrachten Version den grundlegenden Sicherheits- und Gesundheitsanforderungen der angeführten EG-Richtlinien entsprechen. Diese Erklärung verliert ihre Gültigkeit, wenn Veränderungen an der Maschine vorgenommen werden, die nicht mit uns abgestimmt wurden.

Hereby we declare that the above mentioned machines meet the essential safety and health requirements of the above stated EC directives. Any manipulation or change of the machine not being explicitly authorized by us in advance renders this document null and void.

Technische Dokumentation
 HOLZMANN-MASCHINEN GmbH
 4170 Haslach, Marktplatz 4

Haslach, 03.08.2018
 Ort / Datum place/date



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DI (FH) Daniel Schörgenhuber
 Geschäftsführer / Director