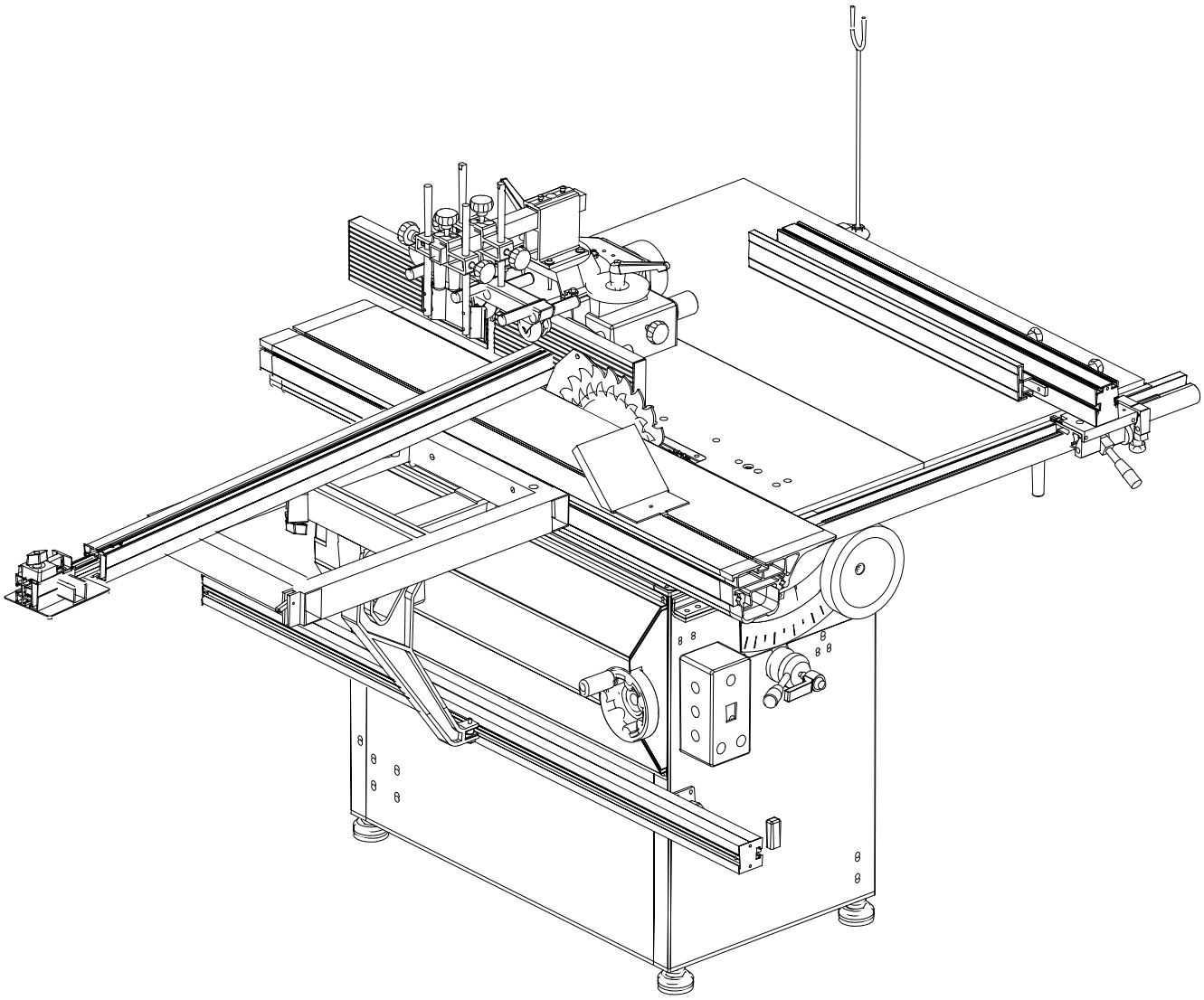


MULTI FUNCTIONS COMBINED MACHINE

MODEL ML4325

(FOR ARM SLIDING TABLE)

OWNER'S MANUAL & PARTS LIST

Identification of the machine

SPECIFICATIONS	ML4325
Sawbench	
Blade speed	4050 rpm
Motor – 2#	3000 W, 50Hz, TEFC
Blade size	Φ250xΦ30x3.2x2.2x24T
Table size	1200x840(1080)
Max cutting height	60 / 90^0
	42 / 45^0
Spindle Moulder (Tooling not included)	
Motor – 3#	3000 W, 50Hz, TEFC
Spindle speed	7000 rpm
Spindle dia.	Φ30 mm
Spindle travel	130 mm
Max cutter dia.	Φ140 mm

Introduction:

ML4325 is a combined universal machine for woodworking. It contains functions in a single compact, practical, and reliable structure.

FORESEEN & PROHIBITED OPERATIONS

SawBench

This is ideal for hobby and shop work. It is easy to handle and permits precise convenient use.

Moulder / Shaper

This is ideal for demanding hobbyists. It was designed with ergonomics in mind so that it is comfortable, easy and safe to use. Tampering with the shaft and assembling bench saws and tools for tenoning is prohibited.

Cutting Carriage

Positionable square from 0° to 45° for transversal cutting with goniometer.

INDEX OF CONTENTS

GENERAL SAFETY RULES

NOTE: Read all these instructions before attempting to operate this product. Save these instructions for future reference.

1. Keep work areas clear. Cluttered areas and benches invite injuries.
2. Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations. Keep work areas well lit. Do not use tools in the presence of flammable liquids or greases.
3. Guard against electric shock. Avoid body contact with earthed or grounded surfaces.
4. Keep other people away. Do not let other persons, especially children, not involved in the work touch of the tool or the extension lead and keep them away from the work area.
5. **Store idle tools. When not in use, tools should be stored in a dry locked-up place, out of reach of children.**
6. Do not force the tool. It will do the job better and safer at the rate for which it was intended.
7. Use the right tool. Do not force small tools to do the job of a heavy-duty tool. Do not use tools for purposes not intended, for example, do not use circular saws to cut tree limbs or logs.
8. Dress properly. Do not wear loose clothing or jewelry; they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
9. Use protective equipment. Use safety glasses. Use face or dust mask if cutting operations create dust.
10. Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection equipment, ensure these are connected and properly used.
11. Do not abuse the cable. Never pull the power cable to disconnect it from the socket. Keep the cable from the socket. Keep the cable away from heat, oil and sharp edge.
12. Secure work. If possible use clamps or a vice to hold the work. It is safer than using your hand.
13. Do not over reach. Keep proper footing and balance at all times.
14. Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect power cables periodically and if damaged have them replaced by an authorized service facility. Inspect extension cables periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
15. Disconnect tools. When not in use, before servicing and when changing accessories such as blades, bits, cutters, disconnect tools from the power supply.
16. Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
17. Avoid unintentional starting. Ensure switch is in “OFF” position when plugging in.
18. Use outdoor extension leads intended for outdoor use and so marked.
19. Stay alert. Watch what you are doing, use common sense and do not operate the tool when you are tired.

20. Check damaged parts. Before further use of the tools, it should be carefully checked to determine that it operates properly and perform its intended functions. Check the alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. Do not use the tool if the switch does not turn on and off.
21. Warning! The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.
Have your tool repaired by a qualified person. This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified technicians by using original spare parts, otherwise this may result in considerable danger to the user.
22. Have your tool repaired by a qualified person. This electric tool complies with the relevant safety rules. Repairs should only be carried out by qualified technicians using original spare parts, otherwise it may result in danger to the operator.
23. Never use the machine if the appropriate guard is not in place and correctly adjusted.
24. Do not use knives that are blunt as this increases the danger of kickback of workpieces.
25. Any portion of the cutterblock not being used for planing shall be guarded.
26. When planing narrow short workpieces, a push stick should be used.
27. When planing narrow workpieces, additional measures, such as the use of horizontal pressure devices and spring-loaded guards, may be necessary to ensure safe working.
28. Do not use the machine to cut rebate.
29. Before starting the machine carefully read the instruction manual to avoid any risks of personal injury.
30. The effectiveness of the device for the prevention of kickback and the feed roller should be regularly inspected to ensure safe operation.
31. Tool equipped with chip collection and extraction hoods shall be connected to the dust-and-collecting device.

RECOMMENDATIONS

No one must work on a wood machine without first receiving sufficient training concerning the type of work and without being informed of the risks, the precautions to observe and operating instructions for the guards and compulsory safety devices.
This machine is designed for wood derivatives. It should not be used for other materials.

- Before use we recommend that you carefully read through this manual and that you respect all instructions contained in it in order to achieve the best results from your machine and to work in complete safety.
- In order to ensure that all safety measures taken into consideration during the design of this machine are met any modification of the machine by the user is forbidden.
- Connection to a sawdust or chipping suction aspirator is obligatory to satisfy all the hygiene/safety conditions and to ensure the correct operation of this machine.
- You are strongly recommended to wear protective glasses while using this machine.
- Residual risk

As with all wood-working machines with manual adjusting, there is always a risk, even when guards are in place and correctly adjusted, of getting close to tools at a working height which corresponds to the thickness of the wood.

It is essential, therefore, that hands are kept well away from the dangerous areas and that the end of pass thruster is used.

RECEPTION HANDLING

The machine is delivered fully assembled. When handling with the machine use the certified lifting equipment and safe instruments. The best handling can be done with transport pallet and high lift truck. For lifting the operator can use steel wire rope seal with min diameter 5mm.
Before placing the machine on working place, the operator has to consider how large pieces of material, which can be cut in the given room.

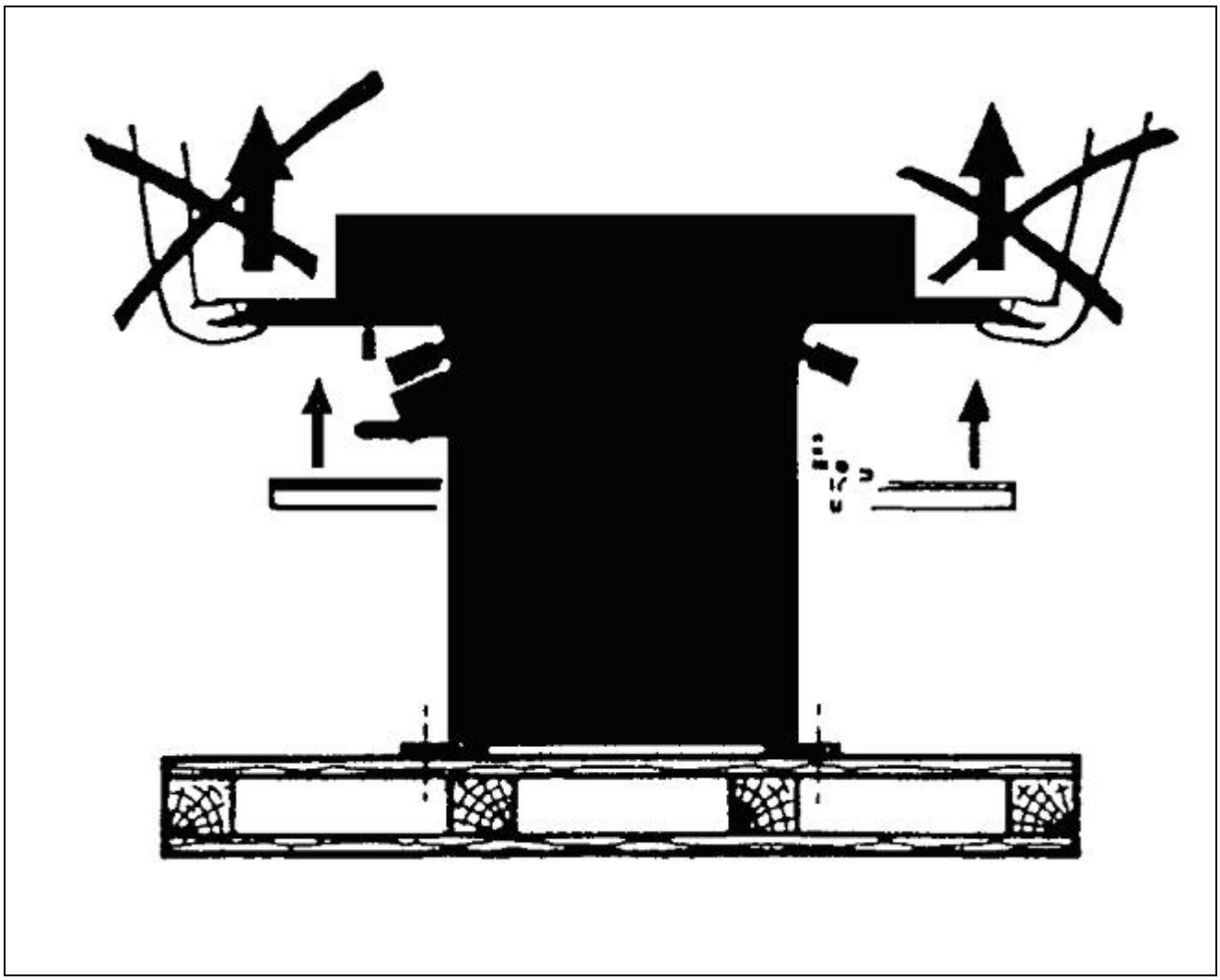
Safe work with the machine requires enough space around the machine. When you are sure that the placing responds with your idea, flush the machine with max clearance 1mm/1000mm and screw it on the floor. In any cases the operator has to level (flush) the machine in the right way by help of four adjusting screws (placed in adjustable legs). Do not assemble parts (which were disassembled) before the operator has read the whole instruction manuals and has known the machine well.

Put the lengthwise rule on the guide way and adjust the length stop and secure. Clamp the sliding table on the bars (guide way) or the support of the run-out arm and secure with the small hand crank. Put the angular rule on the sliding table and secure.
Enclosed the operator will find the instruction manual and wrenches necessary.

Check the condition of the machine and the number of packages mentioned on the delivery note. If necessary, make the usual reverse to the carrier.

WARNING! If reverse are made they must be made on receipt of the goods. Late claims will not be considered.

For delivery, the machine is mounted on the wooden crate with wood blocking on the bottom of the crate.



TRANSPORT AND STOCKING

During the transport and stocking it is necessary to protect the machine from excessive vibrations and excessive humidity. The machine can be stocked under the roof with air temperature from -25^0C to 55^0C.

PLACING THE MACHINE ON THE FLOOR

Remove the metal sheet clamping.
Remove the attachments fixing the machine to the crate (screws and bolts)
Clear a sufficient large area round the machine.

Raise the machine slightly and fit two planks under the feet. Use planks which are long enough to act as ramps down to the floor. Pull the machine making sure that it stays on the planks. Once the machine is clear of the crate it will tip.

INSTALLATION

To guarantee corrected alignment of the working surfaces and prepare a stable, level, concrete floor.

WARNING! **When handling, take care to avoid shocks or large forces which could cause damage or put the machine out of adjustment.**

PREPARATION OF THE MACHINE

The machine unpainted parts are protected with a factory-applied ultra-fine oily film. It is not necessary to remove it before using the machine. However, if you wish you can remove it, use a cloth soaked spirit. Wipe and clean and then apply a sliding agent (Sliber-gleit, Molycote, etc.).

WORKING CONDITIONS

The machine is intended for work under the roof if the following conditions are fulfilled.
Air temperature: from 5^0C to 40^0C, relative humidity: from 30% to 95% non-condensing, altitude above sea level: max 1000m.
The machine must be used as a stationary tool.

ELECTRICAL CONNECTION

WARNING! Before connection to the mains, check that the mains voltage corresponds with the characteristics of the machine supplied.

Use a 1.5 mm2 (min.) supply cable with strengthened insulation, (e.g.HO7). If the length of the cable from the meter to the machine exceeds 10 meters, use 2.5mm2 (min) cable. The internal connections (motor, switch, coil, etc.) are factory wired.

SINGLE PHASE 230V CONNECTION: This connection should be made with a 3 core cable and a standard 16A two pole + earth plug. Two wires are provided for the supply (L1, L2) and the third (yellow/green) must be connected to the earth.

THREE PHASE 380V CONNECTION: This connection should be made with a 4 core cable and a standard 16A three pole + earth plug. Three wires are provided for the supply (L1, L2, L3) and the fourth (yellow/green) must be connected to the earth terminal.

IMPORTANT: Three phase connection necessaries checking the correct direction of rotation of the motor shaft to avoid any problems with the belt drives.

It is essential t start the motor for the first time without a drive belt. If necessary, reverse the position of 2 of the 3 supply wires from the mains to

obtain the correct rotation for the normal cutting direction.
In the event of a change to the 3 phase supply (variety of supply points, more than one socket in a basement, etc.), it is essential t repeat this check on the direction of rotation as explained above.

NOTE: For a temperature below 10 ^{0}C we recommend warning up the motor by letting it run off-load on any function.

WARNING: Before adjusting or exchanging knives and any maintenance or repairs disconnect the machine from the mains. If the operator is standing at the side of the machine against the backstop, the main cutterblock has to be rotated clockwise (consequently to the right). It is possible to change the rotation direction by exchanging (switch-over) wires (black and/or brown) for three-phase motors.

ATTENTION: The machine is injury menaces with the contrary rotation of the cutter block. Switch on the machine only for a while to find out the right direction of rotating (if possible – without tool).

The machine is also equipped with brake motor, which is able to stop the machine within required time. However, this brake motor works only when the machine is switched off by pushing red button or emergency stop cover.
When the brake does not work properly, it is forbidden to work with the machine.

The switch cannot be turned on until the machine is connected to the mains. The switch is turned off automatically by way of neutral protection with outage, it means that it is necessary to switch on the machine again after restoring of the current. Should the machine is switched off frequently in sequence (twice of threefold), check up the machine (the motor functions, the blunt tool, etc.).

The machine can be secured with a padlock placed on the switch which protects the machine from unauthorized usage.

NOTE: If the protection system is not repositioned completely, feedback circuit will restrict the motor starting.

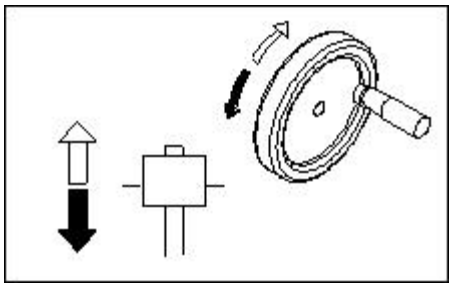
GENERAL INFORMATION

This combination-designed machine allows the operator to perform the following operations consecutively: surface planing, thicknessing.

Surface planing: Adjustable infeed table, max. cut depth 5mm.

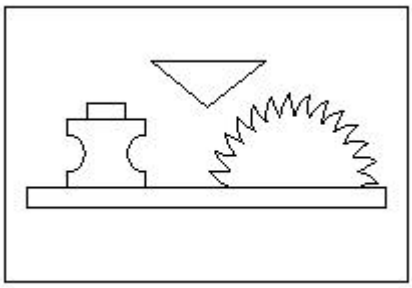
Thicknessing: Table height adjustable by hand wheel and button position locking – Chip discharge case for correct chip discharge – Pass limiter – Extraction nozzle – Anti-throw-out pawl.

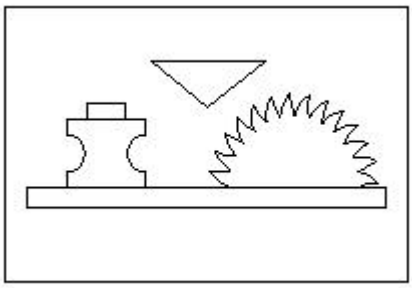
Indication of Label / Drawing



WARNING! An safety instruction label showing how to lower moulding shaft is sticked on the side of height adjusting wheel.

WARNING! An safety instruction label showing how to raise mounding shaft is sticked on the side of height adjusting wheel.

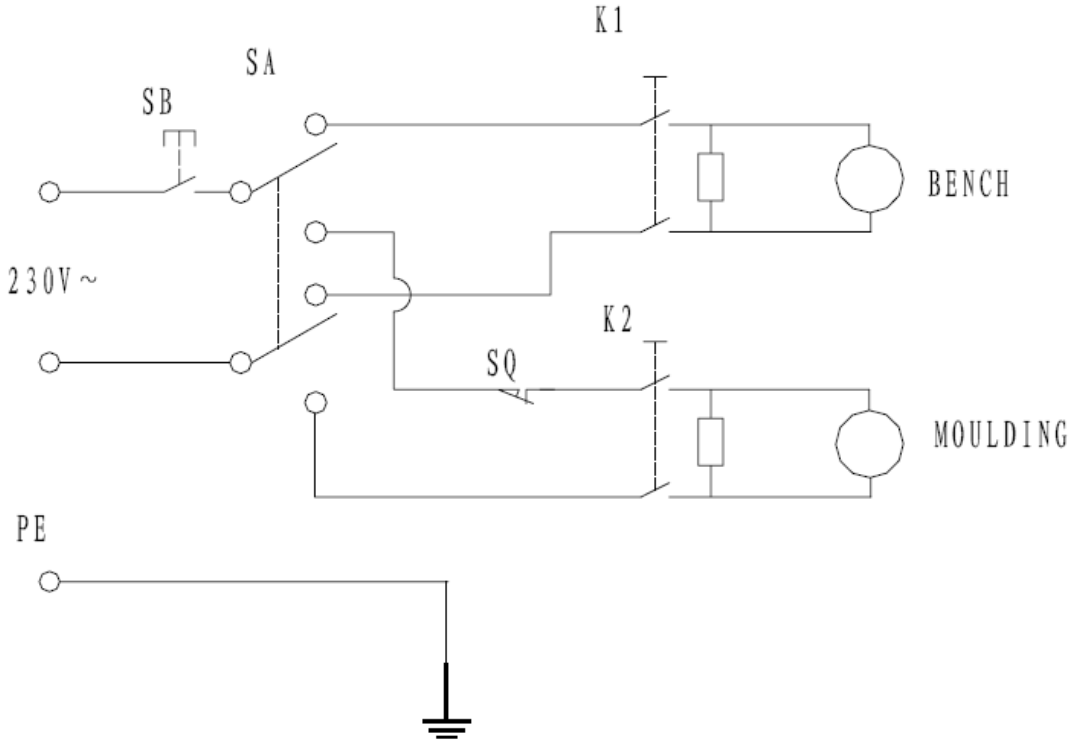




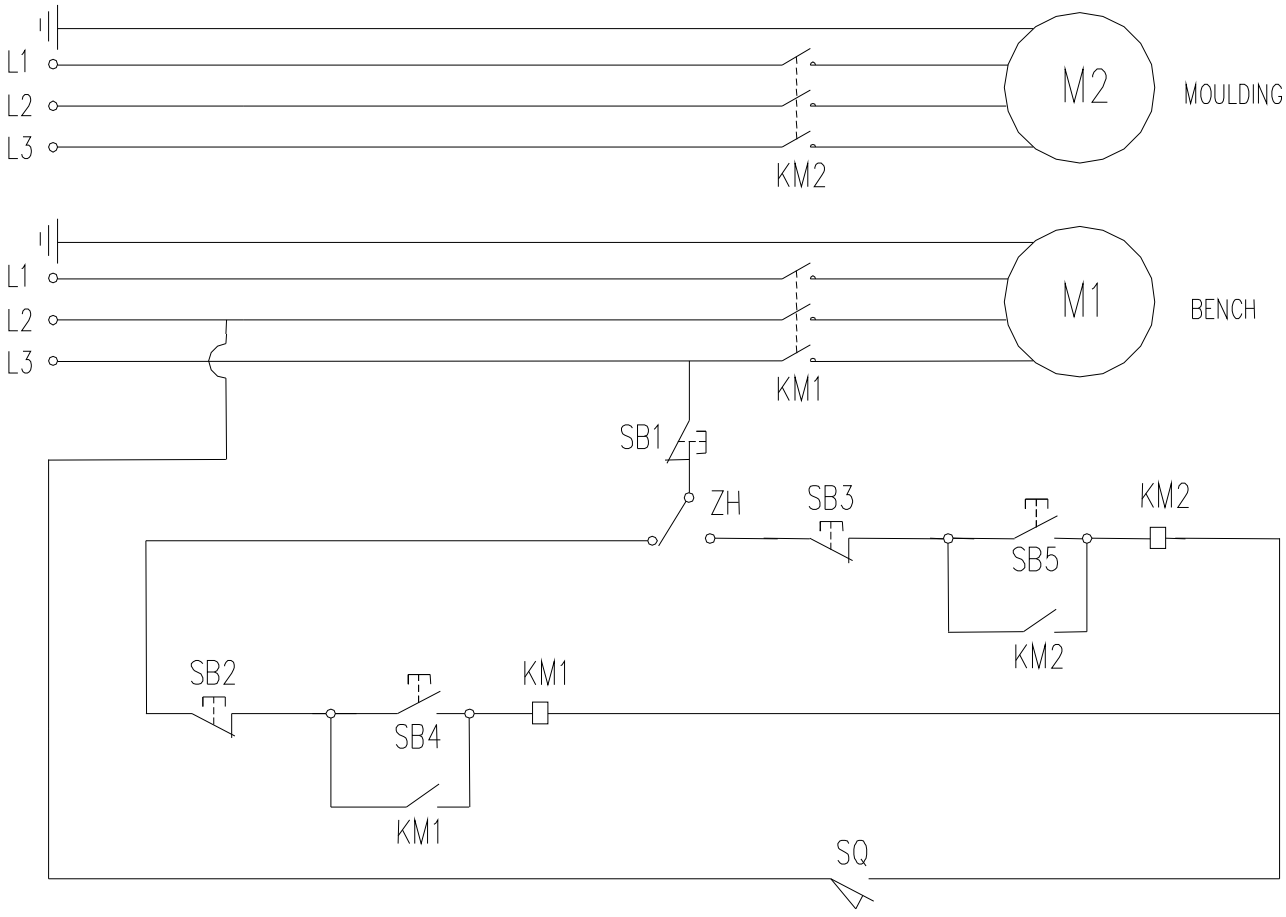
WARNING! A safety instruction label is sticked on left side of switch box to control moulding / sawbench operation.

WARNING! A safety instruction label is sticked on right side of switch box to control surface planing / thicknessing operation.

The wiring diagram



400V

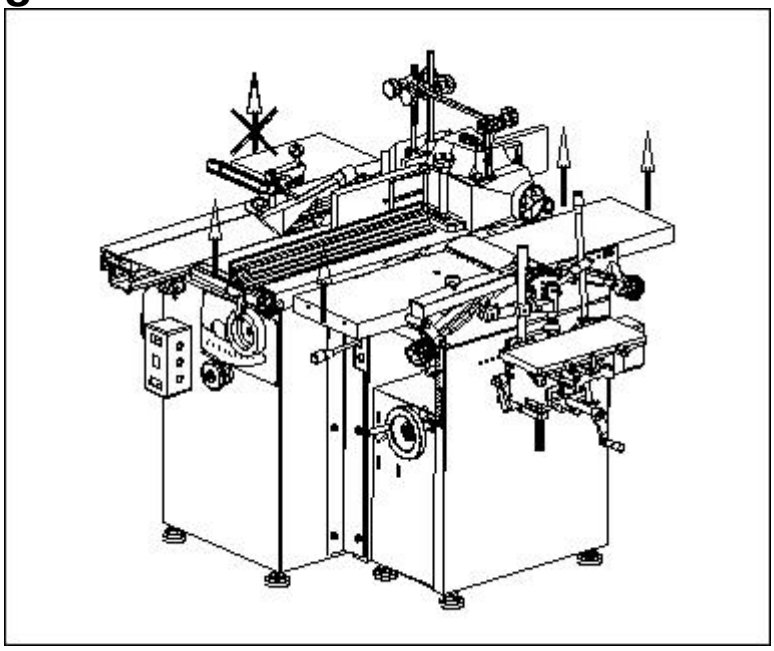


Tool lists enclosed the machine:

1 pc 13X16 solid wrench
1 pc 8x10 solid wrench
1 pc 5.5x7 solid wrench

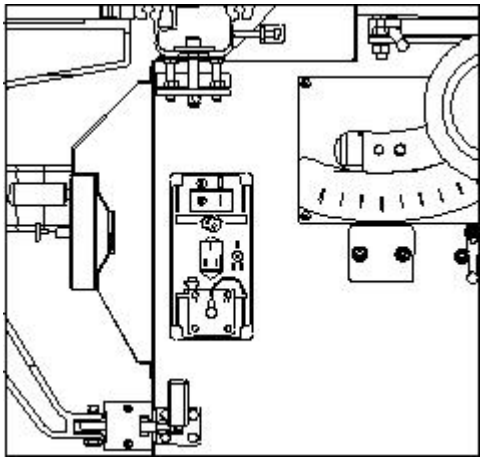
1 pc 8mm hex. Socket key
1 pc 6mm hex. Socket key
1 pc 5mm hex. Socket key
1 pc 4mm hex. Socket key
1 pc 3mm hex. Socket key

Carrying the machine



WARNING! Put your hands at the two sides of the planner table and lift the table upwards.Do not lift the sides table to carry the machine.

TECHNICAL CHARACTERISTICS



Motors

The left motor activates

- The bench saw
- The moulding machine

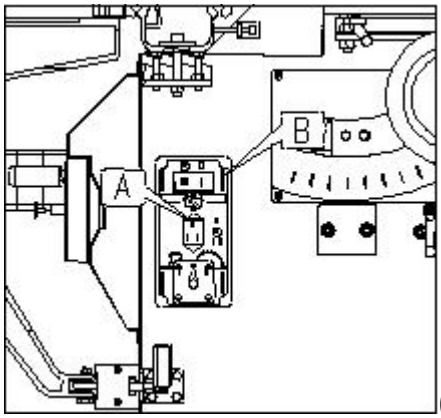
Note:

The control unit is equipped with

- 3 main switches with minimum voltage coil;
- 1 push button for immediate stopping;
- A commutator which selects the motors;
- A commutator which selects the “milling machine”;
- A commutator which selects the “saw”;
- 2 limit switches.

ATTENTION TO SET UP THE PLANER

act as follows:



(Fig. 1)

Select the planer symbol using the three-way switch "A" (Fig.1)

Push the button " B " of the main switch with Minimum voltage coil (Fig. 1).

FUNCTIONS

Setup Sawbench / Moulding machine

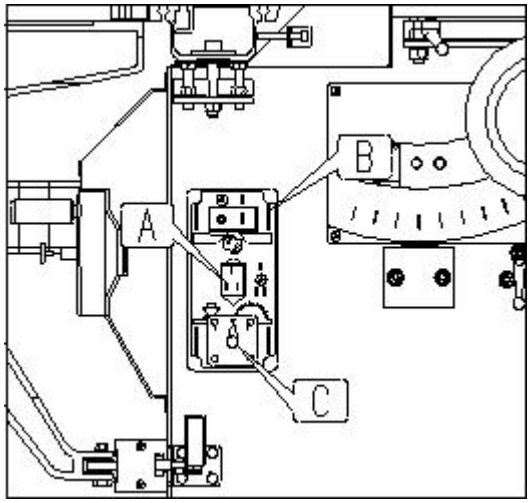


Fig.3

To set up the saw or milling machine, act as follows

Select the saw /milling machine symbol using the two- way switch " A " (Fig.3).

Press the button of the main switch " B " with minimum voltage coil (Fig.3).

Press the start button " C " (Fig.3)

FUNCTIONS

Bench saw:

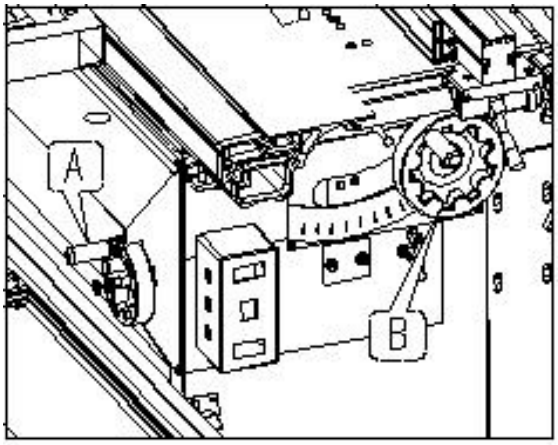


Fig.4

Regulate the cutting height by raising or lowering the height lever " A ".
Lock the blade into place by turning the knob "B" clockwise Release the blade by turning the knob "B" counter-clockwise. (Fig. 4)

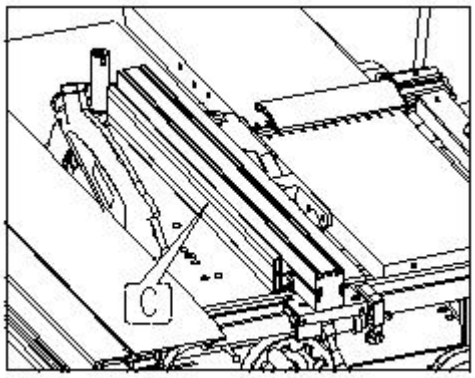


Fig.5

Lock the square at the desired easurement using the provided device " C " Set the height of the guard 3-4mm above the workpiece and lock it into position. When work is done, lower the guard to board level. (Fig.5)

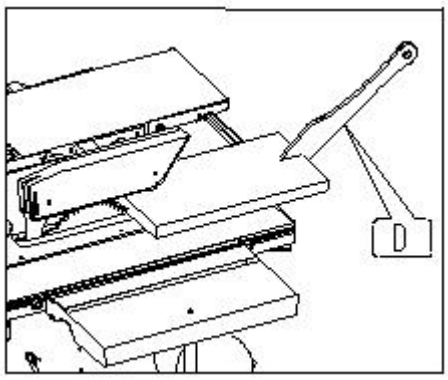


Fig.6

Use the provided push stick " A " to work in complete safety. (Fig. 6)
a) Check if saw blade guard in proper position.
b) Check if work under normal lighting condition.
c) Check if mounding shaft stays under safety position cap insert in proper place.

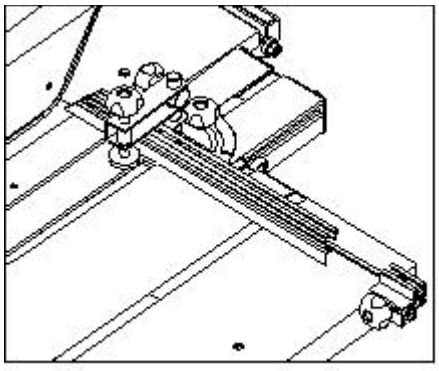


Fig.7

Insert the goniometer to carry out graduated cuts. (Fig. 7)

SAFETY RECOMMENDATIONS

Bench saw:

Parallel cut with 45 inclination (Fig.8)

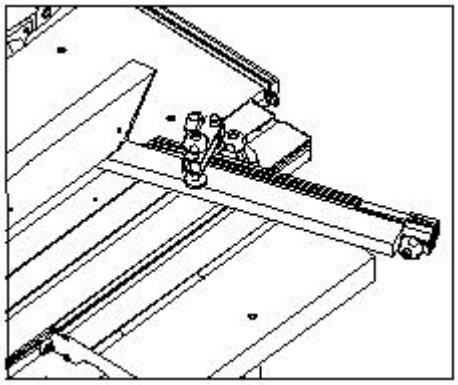


Fig.8

FUNCTIONS

Milling machine:

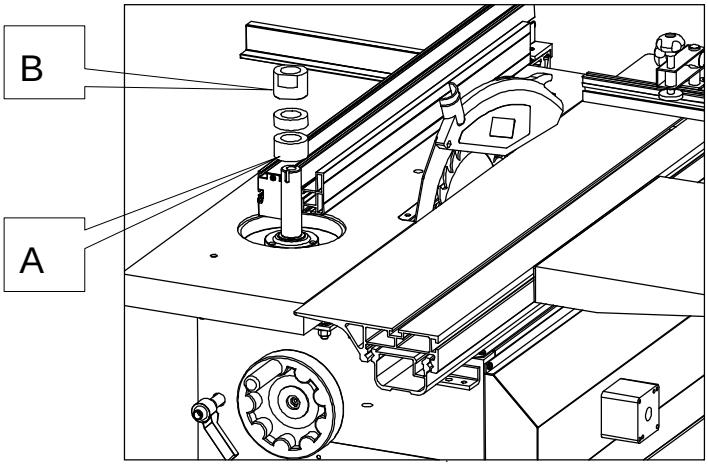
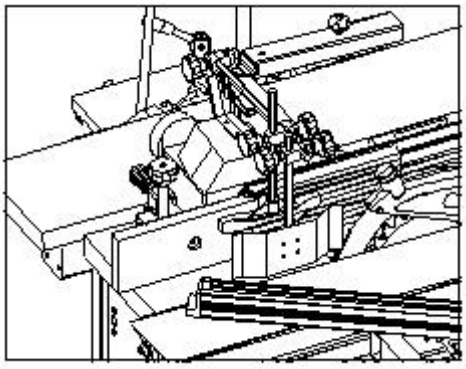


Fig.9

Adjust the milling spindle higher to suitable position. Install washer “A”, and then milling blade. Cap the spindle by block “B” and lock it. (Fig. 9)

SAFETY RECOMMENDATIONS

Milling machine:

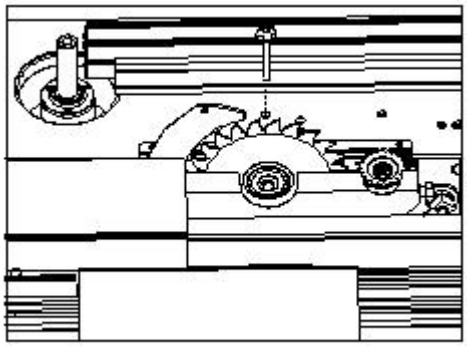


Begin work using maximum caution (Fig.10). Using the two knobs, regulate the clamps. Use of the push stick is recommended.

Fig.10

MAINTENANCE

Replacement of saw blade:

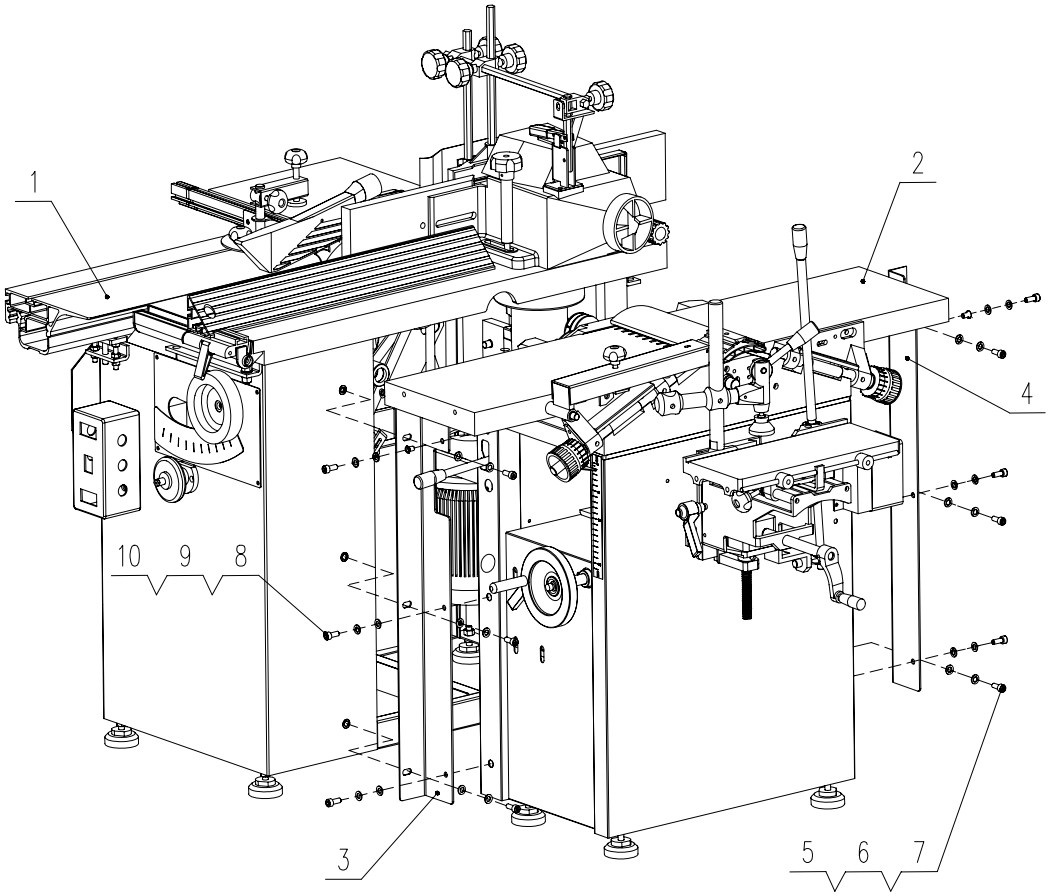


Adjust the saw blade to top position. Put a pole tool into the hole of table and replace saw blade.

Fig.11

Exploded Views

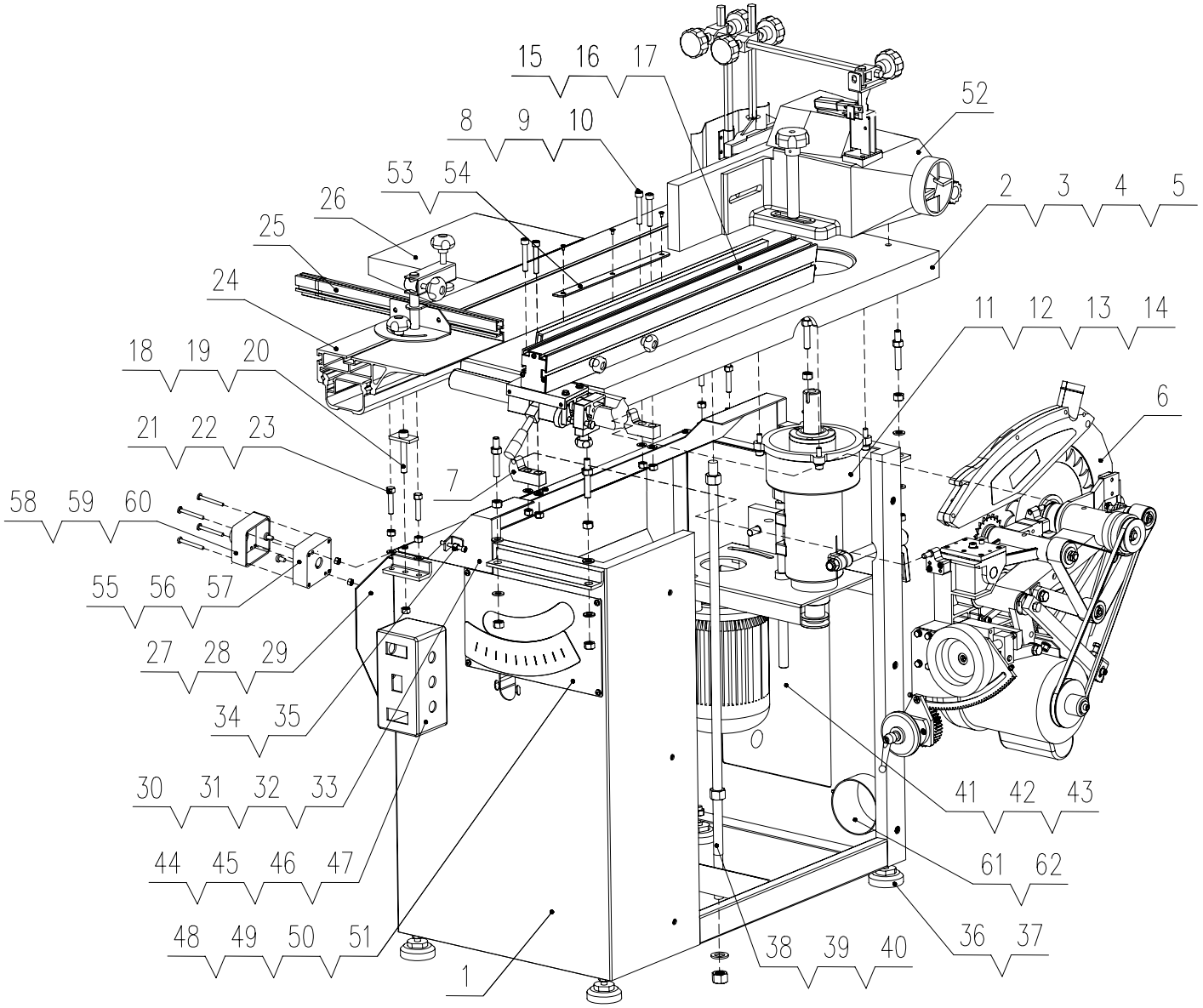
TAV. 1 Complete Macine Assembly



ITEM NO	DESCRIPTION	Q'TY
01	Saw and spindle	1
02	Planer and thicknesser	1
03	Front plate	1
04	Back plate	1
05	Hex socket cap screw M8X20	6
06	Sping washer 8	6
07	Flat washer 8	6
08	Hex socket cap screw M8X20	6
09	Sping washer 8	6
10	Flat washer 8	6

Exploded Views

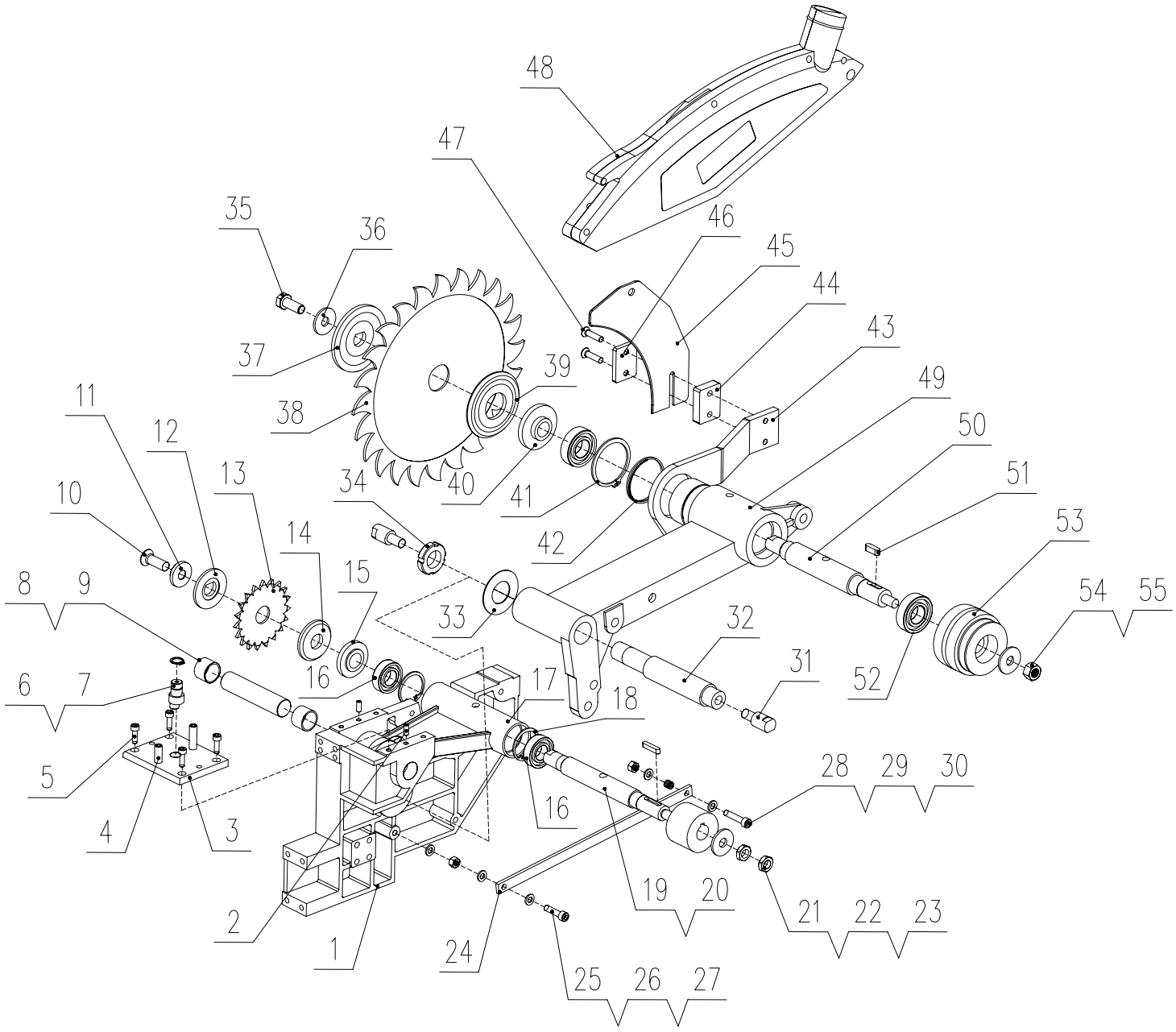
TAV. 2 Part of Sawbech/Moulder



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Sawbench and moulder body	1	33	Flat washer 5	5
02	Sawbench and moulder table	1	34	Cap screw M6x45	2
03	PHLP screw M10X70	4	35	Hex nut M6	2
04	Hex nut M10	12	36	Steel foot	4
05	Flat washer10	8	37	Hex nut M10	4
06	Double saw blade assembly	1	38	Support pole	1
07	Locking block	2	39	Hex nut M16	3
08	Cap screw M8x50	4	40	Flat washer 16	1
09	Hex locking nut M8	4	41	Side cover	1
10	Flat washer 8	4	42	Cap screw M5x8	4
11	Moulder assembly	1	43	Flat washer 5	4
12	Cap screw M8x30	4	44	Main control switch	1
13	Flat washer 8	4	45	Switch guide label	1
14	Spring washer 8	4	46	Cap screw M5x12	4
15	Fence for sawbench assembly	1	47	Cap bolt ST4X25	4
16	Locking handle assembly	2	48	Scale cover	1
17	Flat washer 6	2	49	Tilting scale	1
18	Plate	2	50	Cap screw M5x6	4
19	Cap screw M10x65	2	51	Flat screw 5	4
20	Hex nut M10	2	52	Milling blade protective cover	1
21	Bolt M8X55	4	53	Saw blade cover	1
22	Hex nut M8	4	54	Cap screw M4X8	3
23	Flat washer 8	4	55	Emergency switch box	1
24	Sliding table assembly	1	56	Cap screw M5x12	2
25	Miter gauge and alum. guide	1	57	Flat washer 5	2
26	Extension table	1	58	Emergency switch cover	1
27	Side protective cover	1	59	Cap screw M4x35	4
28	Cap screw M5x8	6	60	Label for emergency switch	1
29	Flat washer 5	6	61	Dust outlet	1
30	Upper protective cover	1	62	Cap screw M6x16	3
31	Cap screw M5x8	3			
32	Cap screw M5x10	2			

Exploded Views

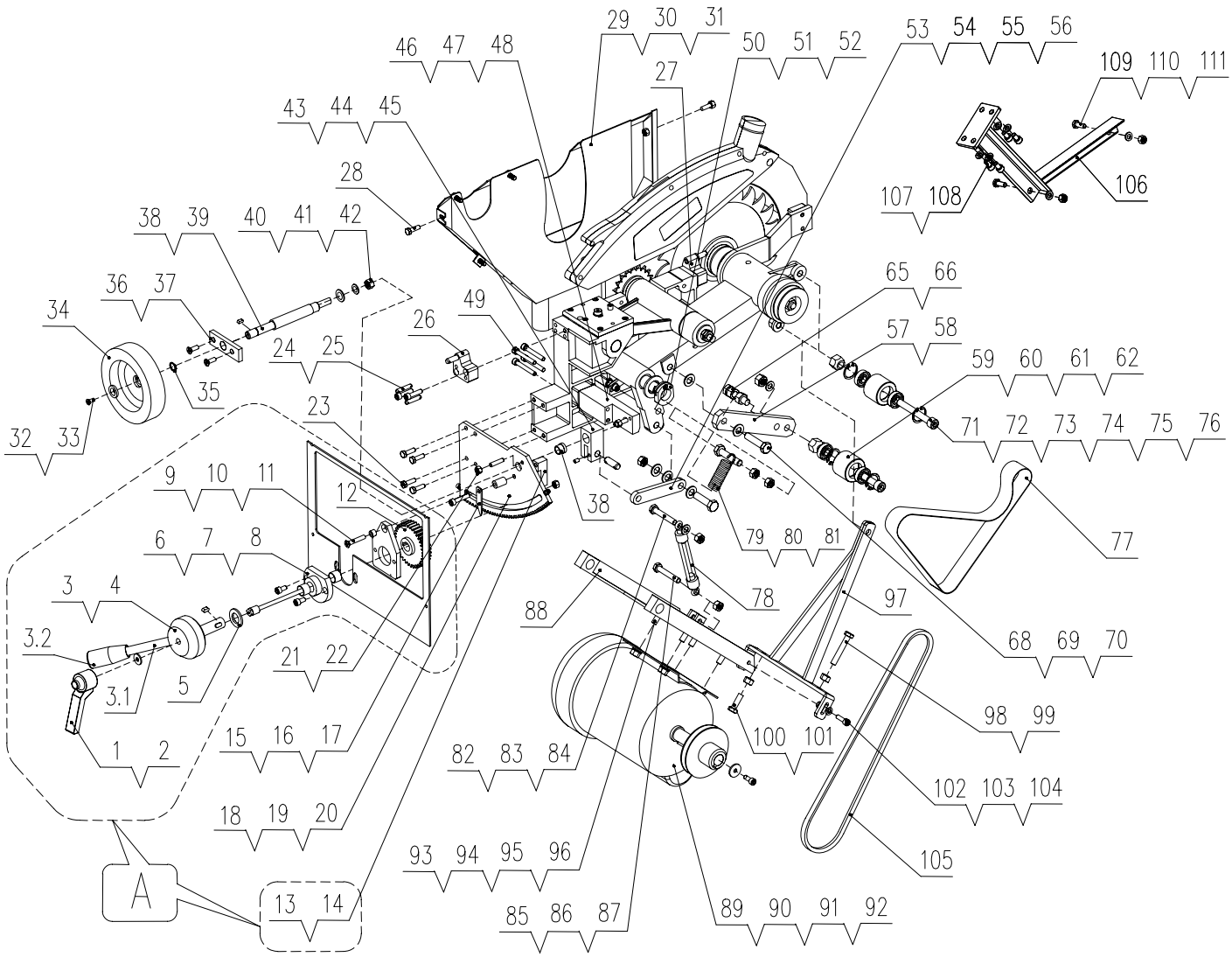
TAV. 3-1



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Small blade stand	1	29	Hex nut M6	2
02	PHLP screw M6X10	2	30	Flat washer 6	3
03	Adjusting plate	1	31	Pin	2
04	PHLP screw M8X30	2	32	Big axle	1
05	Cap screw M5x10	4	33	Adjusting washer	1
06	Adjusting axle	1	34	Round Nut M20x1.5	1
07	"C" ring 12	1	35	Hex bolt M10X25（left）	1
08	Little axle	1	36	Washer 10	1
09	Sleeve	2	37	Big outer plate	1
10	Cap screw M10X30	1	38	Blade Φ250xΦ30x3.2x24T	1
11	Washer	1	39	Big inner plate	1
12	Little outer plate	1	40	Big location sleeve	1
13	Small blade Φ 80xΦ20x3.2x2.2x8T	1	41	"C" ring 50	1
14	Little inner plate	1	42	Washer	1
15	Small location sleeve	1	43	Blade arm	1
16	Bearing 6003-2Z/Z2	2	44	Support plate	1
17	Small staff	1	45	Riving knife	1
18	"C" ring 35	2	46	Fixed plate	1
19	Small spindle	1	47	Cap screw M6X25	2
20	Key A5X20	1	48	Protective guard	1
21	Small vice-pulley	1	49	Big staff	1
22	Flat washer 10	1	50	Big spindle	1
23	Left thin nut M10	2	51	Key A6X20	1
24	Connected pole	1	52	Bearing 6004-2Z/Z2	2
25	Cap screw M6x20	1	53	Big vice pulley	1
26	Nut M6	1	54	Hex locking nut M10	1
27	Flat washer 6	3	55	Washer 10	1
28	Cap screw M6x30	1			

Exploded Views

TAV. 3 -2

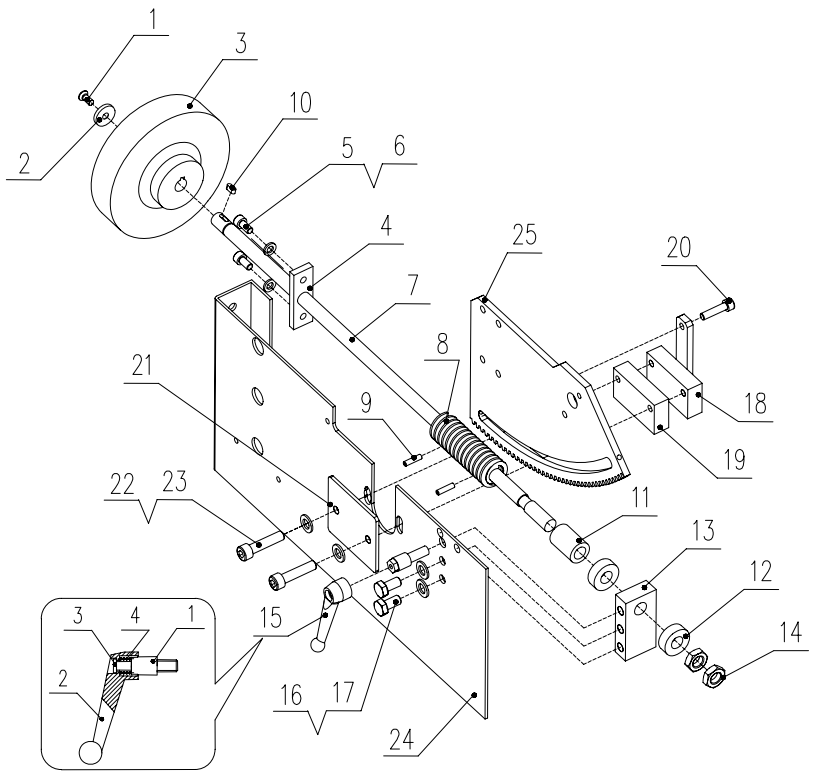


ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Lock handle	1	30	Cap screw M6x10	3
02	Washer 8	1	31	Flat washer 6	3
03	Turning handle	1	32	Cap screw M5x12	1
04	Key A5X10	1	33	Hand wheel washer	1
05	Flat washer 16	1	34	Hand wheel Φ12xΦ160	1
06	Connected plate	1	35	"C" ring 9	1
07	Inner sleeve 1	2	36	Small adjusting plate	1
08	Cap screw M6x12	2	37	Cap screw M5x12	2
09	Clamp plate	1	38	Lifting pole	1
10	Inner sleeve 2	1	39	Key A4X12	1
11	Cap screw M6x35	1	40	Hex locking nut M8	1
12	Gear	1	41	Flat washer 12	1
13	Rack	1	42	Flat washer 8	1
14	Hex locking nut M8	1	43	Exchange block	1
15	Pointer	1	44	Pin A10X30	1
16	Pointer sleeve	1	45	PHLP screw M5X8	1
17	Cap screw M6x30	1	46	Rack stand	1
18	Rack plate	1	47	PHLP SCREW M6X25	1
19	Cap screw M4x20	2	48	Hex nut M6	1
20	Hex nut M4	2	49	Cap screw M6x45	4
21	PHLP screw M6X25	1	50	Location nut	1
22	Hex nut M6	1	51	PHLP screw M6X10	1
23	Hex bolt M6x20	4	52	Flat washer 20	1
24	Cap screw M6x25	4	53	Lifting staff	1
25	Pin A6X25	4	54	Hex bolt M10x40	1
26	Front turning block	1	55	Flat washer 10	3
27	Back turning block	1	56	Hex nut M10	1
28	Hex bolt M6x12	2	57	Shifter bar	1
29	Dust collecting cover	1	58	Inner location sleeve	1

ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
59	Cap screw M10x60	1	88	Motor plate	1
60	"C" ring 26	2	89	Motor	1
61	Bearing 6000-2Z/Z2	2	90	Pulley 1	1
62	Adjusting pulley	1	91	Cap screw M6x16	1
63	Flat washer 10	1	92	Special washer 6	1
64	Hex nut M10	1	93	Hex bolt M8x20	4
65	Hex bolt M10x40	1	94	Flat washer 8	4
66	Hex nut M10	2	95	Spring washer 8	4
68	Hex bolt M10x40	1	96	Hex nut M8	4
69	Hex nut M10	1	97	Adjusting stand	1
70	Flat washer 10	2	98	Hex bolt M8x50	1
71	Cap screw M10x80	1	99	Hex nut M8	1
72	"C" ring 26	2	100	Hex bolt M8x25	1
73	Bearing 6000-2Z/Z2	2	101	Hex nut M8	1
74	Adjusting pulley	1	102	Cap screw M6x20	2
75	Inner location sleeve	1	103	Flat washer 6	2
76	Hex locking nut M10	1	104	Hex locking nut M6	2
77	Combined belt 1.5x25x750	1	105	Z-V belt（L=840）	1
78	Flower bolt M8X(at least)130	1	106	Angle steel assembly	1
79	Adjusting spring	1	107	Cap screw M6x12	4
80	Hex bolt M10x40	1	108	Flat washer 6	4
81	Hex nut M10	2	109	Hex bolt M6x16	2
82	Hex bolt M8x50	1	110	Hex locking nut M6	2
83	Flat washer 8	1	111	Flat washer 6	2
84	Hex nut M8	1			
85	Hex bolt M8x30	1			
86	Flat washer 8	2			
87	Hex nut M8	1			

Exploded Views

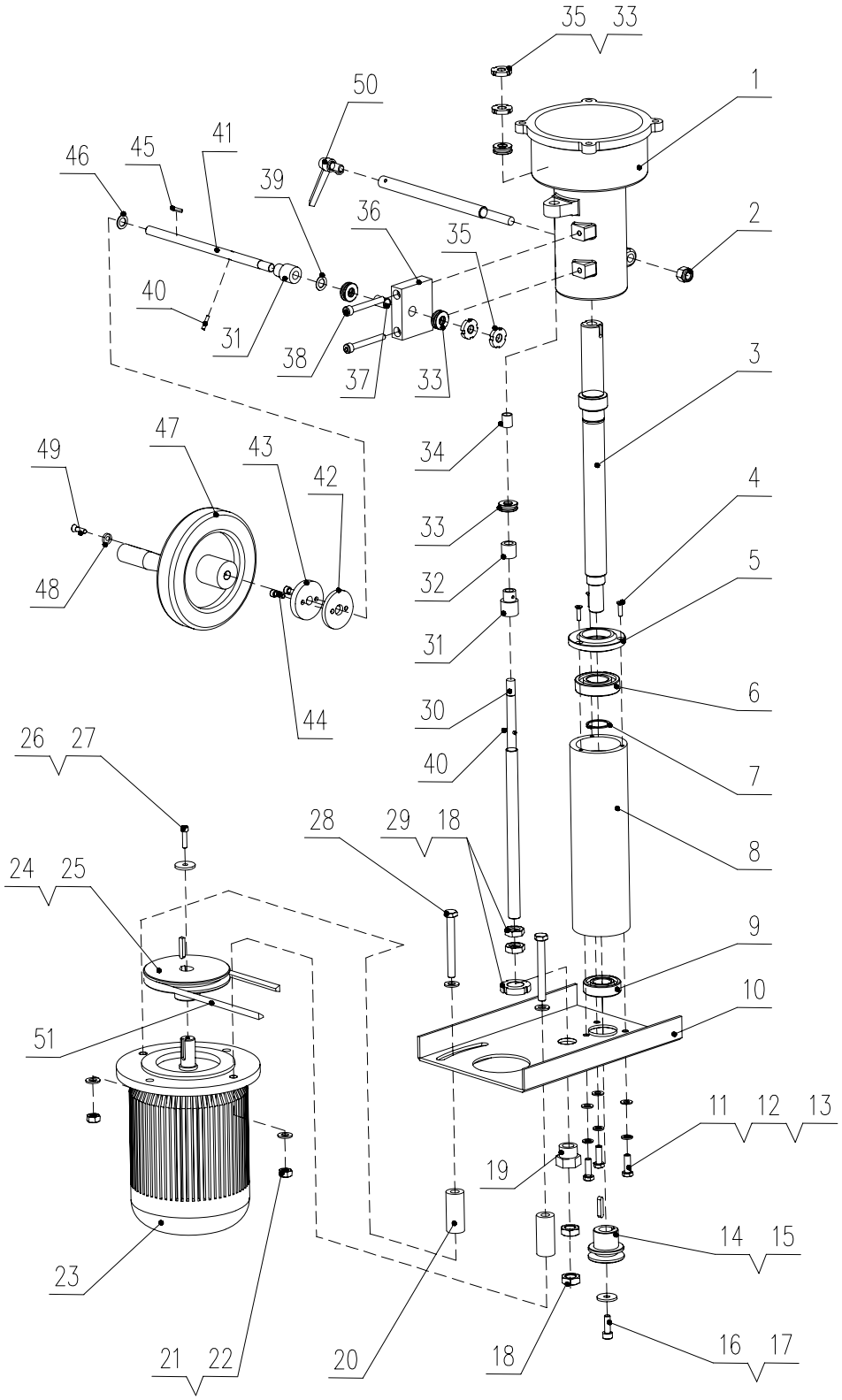
TAV. 3-3 Double saw blade assembly



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Screw M5x12	1	15	Locking handle	1
02	Hand wheel washer	1	16	Cap screw M8x16	2
03	Hand wheel Φ12xΦ125	1	17	Flat washer 8	2
04	Small clamp plate	1	18	Location stand	1
05	Cap screw M6x12	2	19	Stand block	1
06	Flat washer 6	2	20	Location pole	1
07	Worm gear axle	1	21	Little cover	1
08	Worm gear body	1	22	Cap screw M6x35	2
09	Spring pin 4X16	2	23	Flat washer 6	2
10	Key A4X12	1	24	Body assembly	1
11	Spacer	1	25	Rack plate	1
12	Bearing 51101	2			
13	Support block	1			
14	Hex thin nut M12	2			

Exploded Views

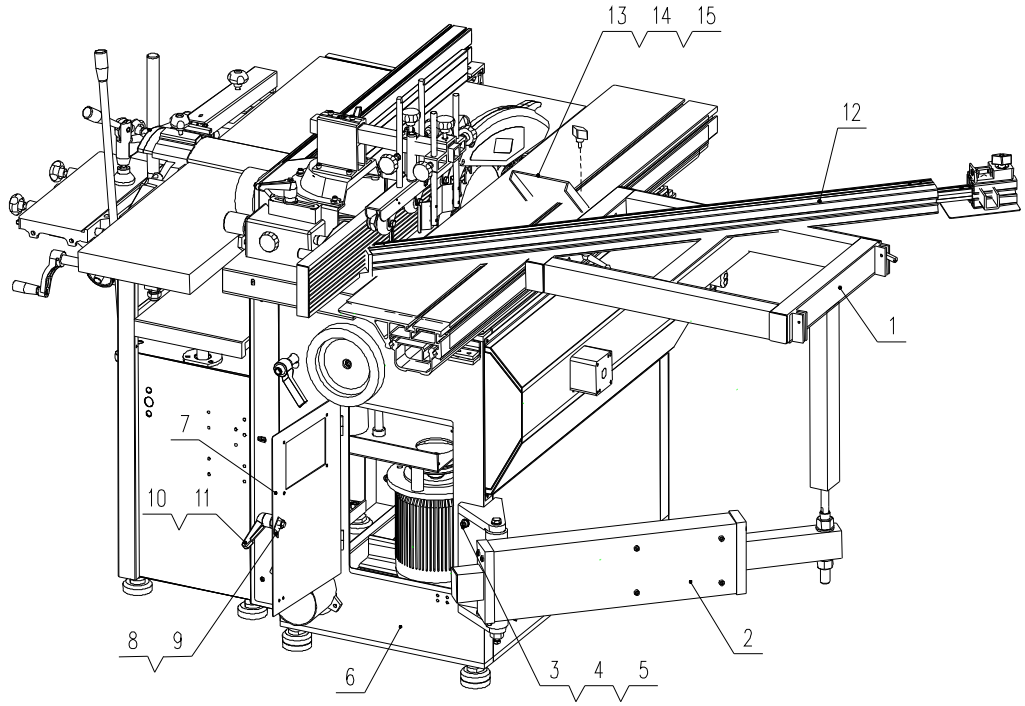
TAV. 4



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Spindle seat	1	29	Round nut M25x1.5	1
02	Hex locking nut M12	1	30	Lifting thread pole	1
03	Spindle	1	31	Gear	2
04	Bolt M5X16	3	32	Spacer	1
05	Spring cover	1	33	Bearing 51101	4
06	Bearing 6206-2Z/Z2	1	34	Sleeve B	1
07	"C" ring 30	1	35	Small round nut M12X1.25	4
08	Spindle sleeve	1	36	Clamp block	1
09	Bearing 6205-2Z/Z2	1	37	Sleeve A	1
10	Motor plate	1	38	Cap screw M8x70	2
11	Hex screw M8x25	3	39	Washer	1
12	Flat washer 8	3	40	Spring pin 4X16	2
13	Spring washer 8	3	41	Pin	1
14	Pulley 1	1	42	Inner plate	1
15	Key C6X28	1	43	Outer plate	1
16	Washer (pulley 1)	1	44	Cap screw M6x20	2
17	Cap screw M8x20	1	45	Key A4X12	1
18	Nut	4	46	"C" ring 9	1
19	Lifting nut	1	47	Hand wheel Φ12xΦ160	1
20	Long sleeve	2	48	Hand wheel washer	1
21	Hex nut M10	2	49	Screw M5x12	1
22	Flat washer 10	4	50	Locking handle	1
23	Motor	1	51	V-belt（L=670）	1
24	Pulley 2	1			
25	Key C6X28	1			
26	Washer (pulley 2)	1			
27	Cap screw M6x20	1			
28	Hex screw M10x100	2			

Exploded Views

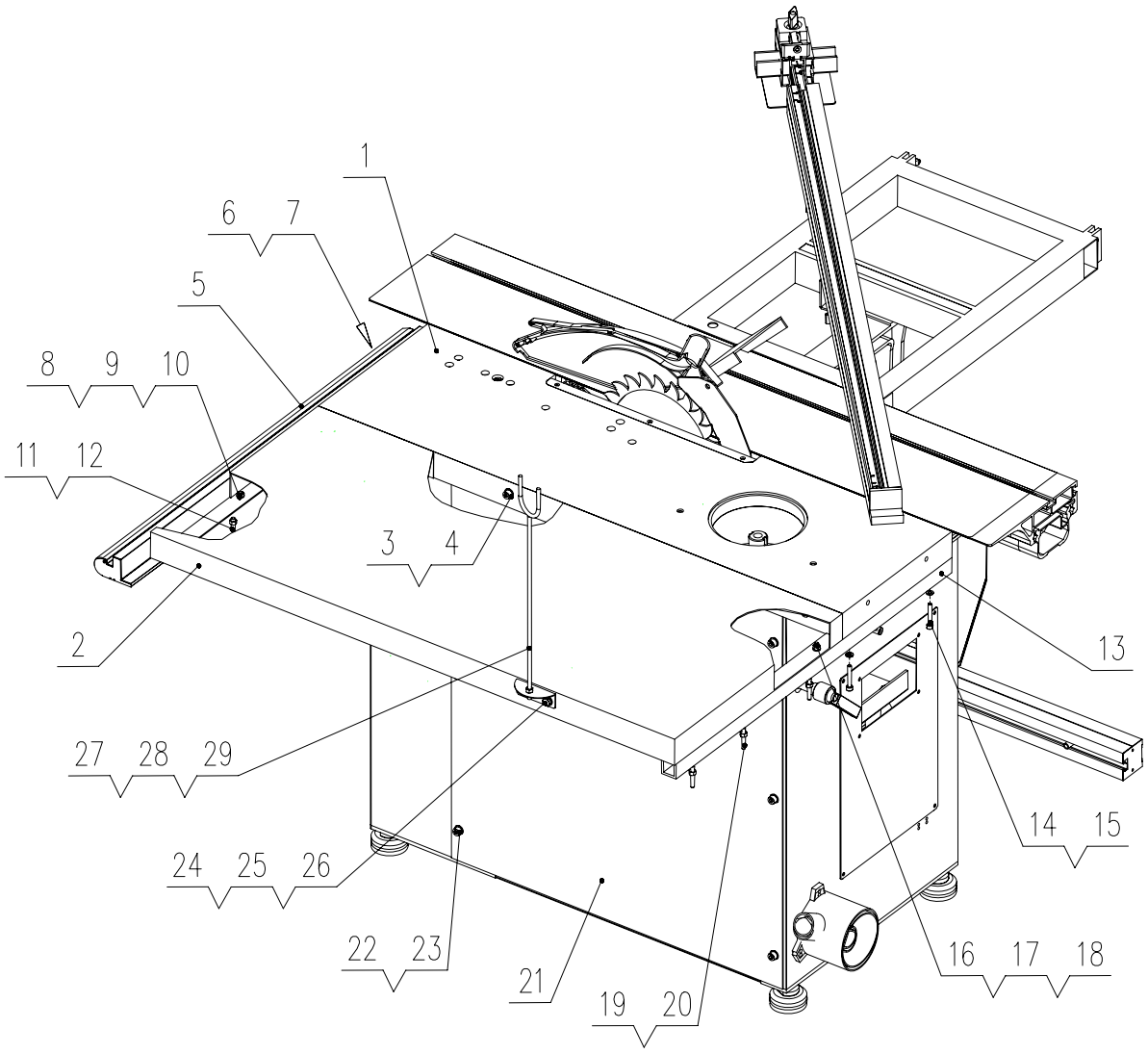
TAV. 5 Extension table（optional）



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	ASSISTANT TABLE ASSY	1	15	Sliding block	1
02	EXTENSION TABLE ASSY	1			
03	SCREW M8x35	4			
04	WASHER 8	4			
05	SPRING WASHER 8	4			
06	BODY ASSY	1			
07	SIDE COVER	1			
08	LOCKING WASHER	1			
09	LOCKING NUT M10	1			
10	LOCKING HANDLE M10x18	1			
11	BIG WASHER 10	1			
12	Combined scale（total）	1			
13	Fence	1			
14	Knob bolt	1			

Complete machine Assembly

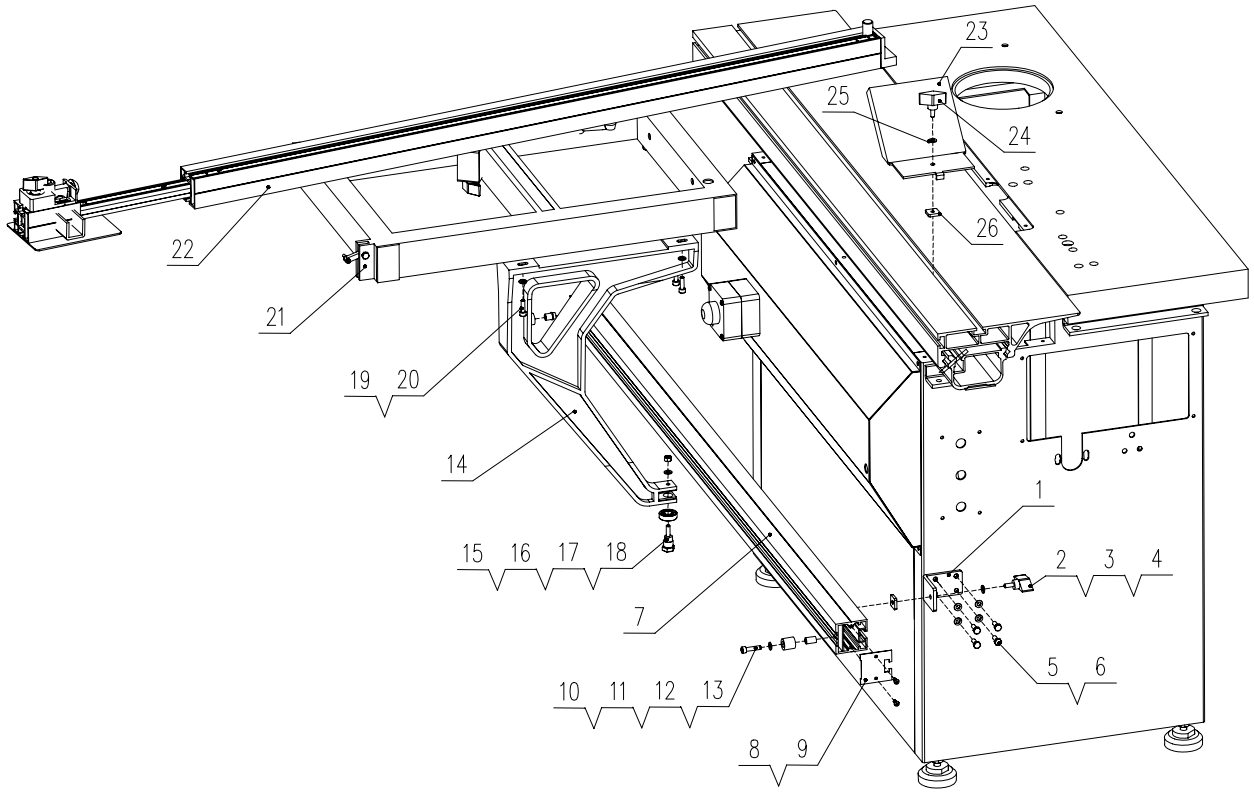
For ARM SLIDING TABLE



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
1	Sawbench and moulder table	1	**16**	Hex screw M6*45	3
2	Extension table	1	**17**	Nut m6	3
3	Hex screw M8*16	4	**18**	Flat wahser 6	6
4	Flat washer 8	4	**19**	Screw m6*40	3
5	Miter gauge and alum guide	1	**20**	Nut m6	3
6	Hex screw M6*16	2	**21**	Block body	1
7	Flat washer 6	2	**22**	Hex screw M8*16	6
8	Hex screw M6*20	3	**23**	Flat wahser 8	6
9	Nut m6	3	**24**	Blot M8*20	2
10	Flat wahser 6	6	**25**	Nut m8	2
11	Screw M6*16	3	**26**	Flat washer m8	4
12	Nut m6	3	**27**	Support pole	1
13	Plank support	1	**28**	Support pole base	1
14	Hex screw M6*40	2	**29**	Nut m6	2
15	Flat wahser 6	2			

Exploded Views

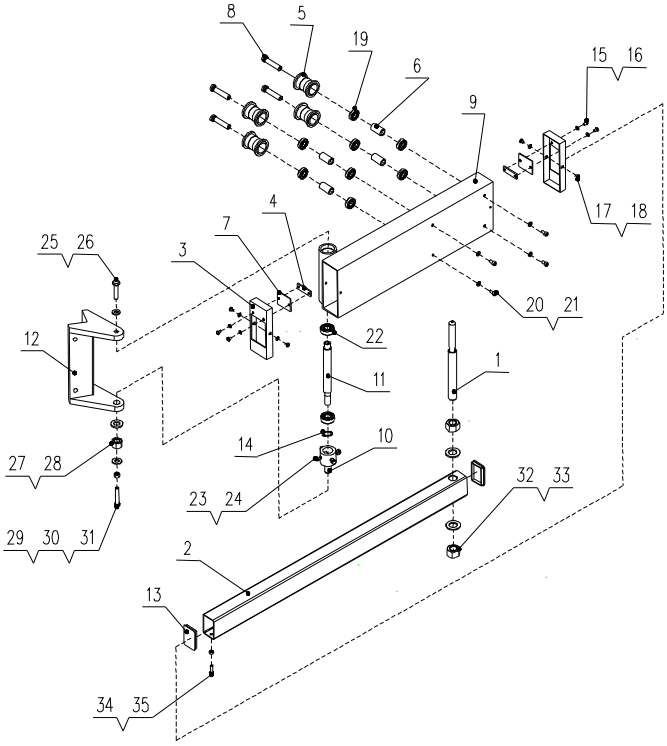
TAV. 5-A Extension table（optional）



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Fixed Plate	2	15	Adjusting Center Bolt	1
02	Locking Handle	2	16	Bearing 6001	1
03	Washer 6	2	17	Washer 6	2
04	Sliding Block	2	18	Nut M6	1
05	Hex Screw M6x16	8	19	Screw M6x20	4
06	Washer 6	8	20	Washer 6	8
07	Cross Support（L=1400）	1	21	Assistant Table (total)	1
08	Side Cover	2	22	Combined Scale(total)	1
09	Screw St4x10	4	23	Fence	1
10	Screw M6x25	2	24	Locking Handle	1
11	Washer 6	2	25	Big Washer 6	1
12	Rubber Ring	2	26	Sliding Block	1
13	Inner sleeve	2			
14	Support Plate	1			

Exploded Views

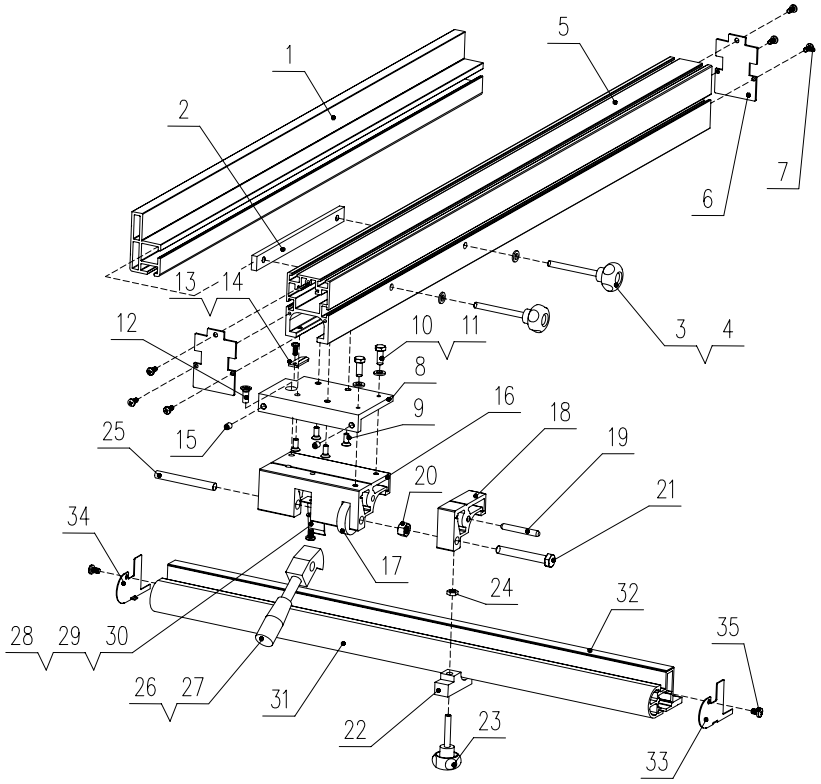
TAV. 5.1 Extension table



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	SUPPORT AXLE	1	19	BEARING 6001-2RZ/Z1	8
02	ROCKER AXLE	1	20	SCREW M6x12	4
03	ROCKER COVER	2	21	WASHER 6	4
04	PLATE FOR ROCKER NUT	2	22	BEARING 6202-2RZ/Z1	2
05	ROCKER WHEEL	4	23	BOLT M8x25	4
06	ROCKER WHEEL SLEEVE	4	24	NUT M8	4
07	CARPET 55x25	2	25	BOLT M10x25	1
08	ROCKER ECCENTRIC AXLE	4	26	WASHER 10	1
09	ROCKER	1	27	NUT M16	1
10	AXLE	1	28	WASHER 16	1
11	ROCKER AXLE	1	29	WASHER M8x65	1
12	SUPPORT PLATE	1	30	NUT M8	1
13	END CAP FOR ROCKER AXLE	2	31	BIG WASHER 8	1
14	RING 15	1	32	NUT M20	2
15	SCREW M5x8	4	33	WASHER 20	2
16	WASHER 5	4	34	SCREW M6x16	1
17	SCREW M5x6	4	35	NUT M6	1
18	WASHER 5	4			

Exploded Views

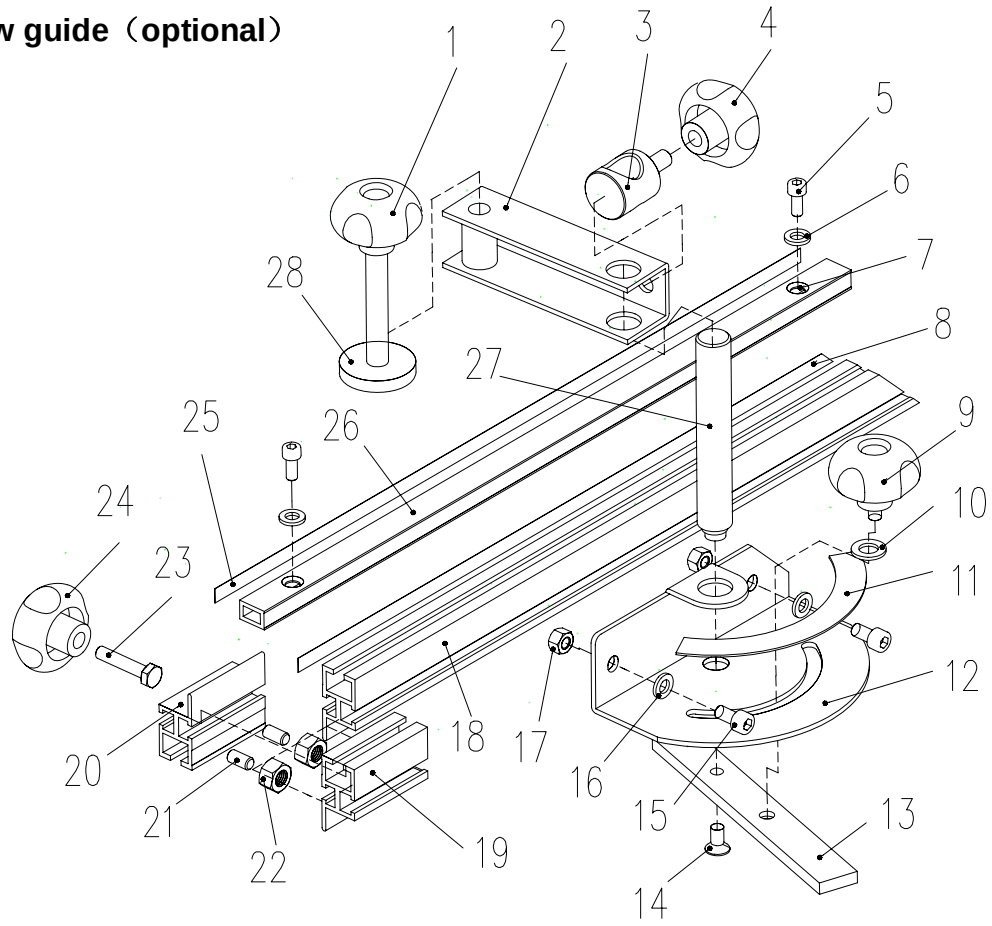
TAV. 6 Saw plank



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Sliding plank	1	20	Thin nut M8	1
02	Guide piece	1	21	Hex bolt M8X60	1
03	Knob bolt	2	22	Clamping plate	1
04	Flat washer 6	2	23	Knob bolt	1
05	Horizontal staff	1	24	Nut M6	1
06	Horizontal staff cap	2	25	Pin	1
07	Screw ST4X10	6	26	Handle	1
08	Fixed plate	1	27	Handle sleeve	1
09	Screw M5X12	4	28	Washer	1
10	Hex bolt M6X16	2	29	Cap screw M4X6	1
11	Flat washer 6	2	30	Flat washer 4	1
12	Screw M6X12	1	31	Plank support	1
13	Pointer block	1	32	Scale	1
14	Cap screw M5X10	1	33	Left cover I	1
15	Screw M6X10	2	34	Left cover Ⅱ	1
16	Fixing seat	1	35	Cap screw ST4X10	2
17	Adjusting wheel	1			
18	Small fixing seat	1			
19	Pin A6X45	1			

Exploded Views

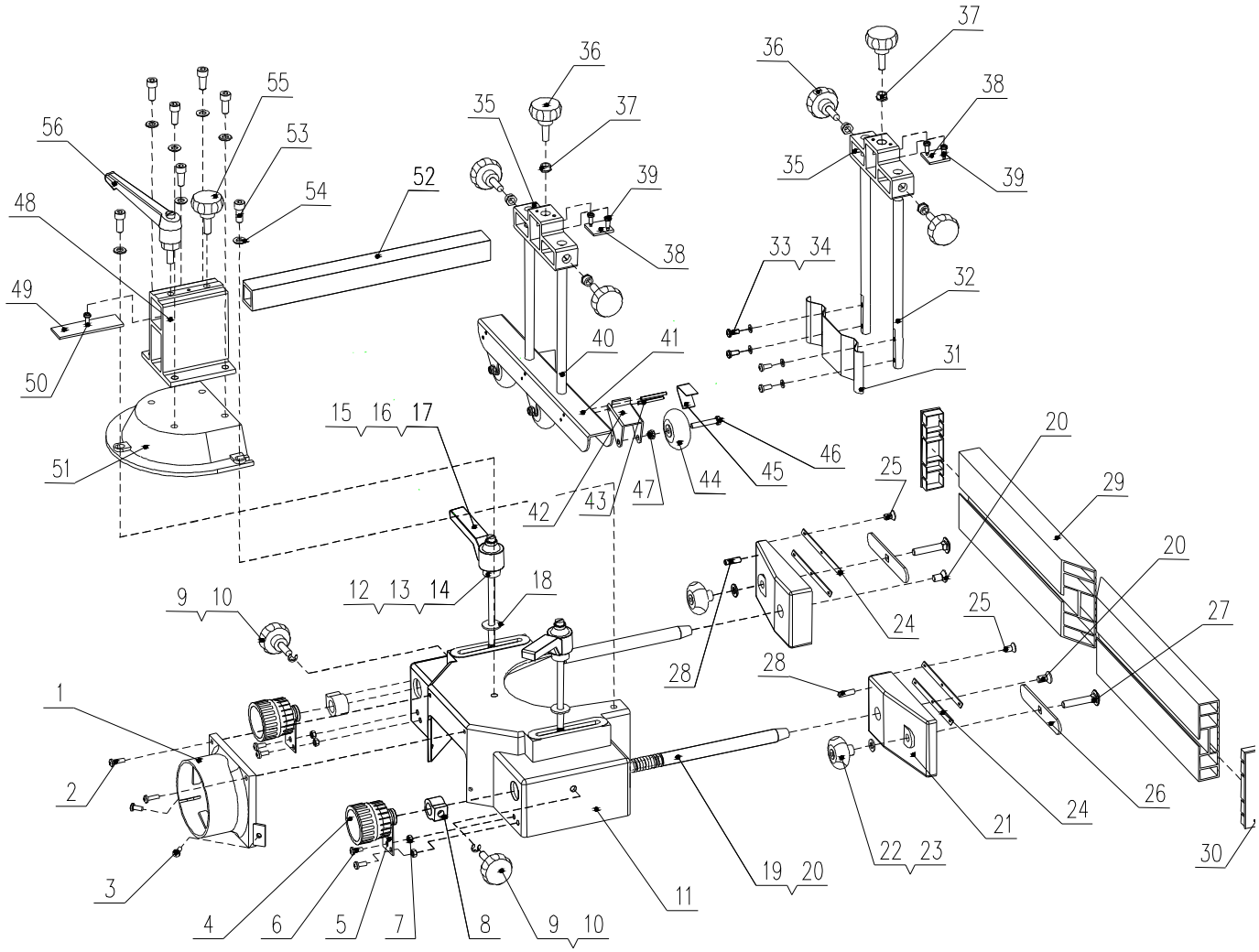
TAV. 7 Saw guide（optional）



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	Knob bolt	1	15	Cap screw M6X12	2
02	Horizontal bar	1	16	Washer 6	2
03	Clamp sleeve	1	17	Nut M6	2
04	Knob（M8）	1	18	Guide plate	1
05	Cap screw M5X12	2	19	Front location block	1
06	Washer 6	2	20	Back location block	1
07	Nut M5	2	21	PHLP screw M6X12	2
08	Scale	1	22	Hex nut M6	2
09	Knob screw M6X8	1	23	Hex bolt M6X30	1
10	Washer 6	1	24	Knob（M6）	1
11	Angle scale	1	25	Saw scale	1
12	Angle scale seat	1	26	Vice scale pole	1
13	Guide plate	1	27	Angle scale axle	1
14	Screw M6X14	1	28	Clamp block	1

Exploded Views

TAV. 8 MILLING CUTTER PROTECTION ASSY



ITEM NO	DESCRIPTION	Q'TY	ITEM NO	DESCRIPTION	Q'TY
01	DUST OUTLET	1	30	END CAP	2
02	SCREW M5X16	2	31	ANTI-KICKBACK PLATE	1
03	SCREW M5X12	2	32	ROLLER	2
04	ADJUSTING WHEEL	2	33	SCREW M5X12	4
05	PLATE	2	34	WASHER 5	4
06	BOLT M5X16	4	35	BRACKET	2
07	NUT M5	4	36	LOCKING HANDLE(BIG)	6
08	LOCKING BLOCK	2	37	NUT	6
09	LOCKING HANDLE(BIG)	2	38	SQURE PLATE	2
10	BIG NUT	2	39	SCREW	4
11	PROTECTIVE BODY	1	40	ROLLER AXLE	2
12	LOCKING BAR	2	41	ROLLER FRAME	1
13	LOCKING SLEEVE	2	42	ROLLER HOUSE	3
14	ELASTIC PIN 4X16	2	43	ELASTIC PIN 4X35	6
15	BIG LOCKING HANDLE	2	44	ROLLER	3
16	SPRING	2	45	SPRING WASHER	3
17	SCREW	2	46	BOLT M6X35	3
18	BIG WASHER 8	2	47	LOCKING NUT M6	3
19	GUIDE AXLE	2	48	SUPPORT BASE	1
20	SCREW M8X20	2	49	BLOCK	1
21	GUIDE PLATE	2	50	SCREW	1
22	ADJUSTING HANDLE	2	51	PROTECTIVE COVER	1
23	WASHER 8	2	52	SUPPORT BAR	1
24	ADGUSTING PLATE	4	53	SCREW M8X20	7
25	SCREW M5X10	12	54	WASHER 8	7
26	CLAMP PLATE	2	55	LOCKING HANDLE (BIG)	1
27	BOLT M8X45	2	56	ADJUSTING HANDLE B-M8X20	1
28	SCREW M6X20	8			
29	ALU PLATE	2			