

PROMAC®

Operating Instructions and Parts Manual Miter Circular Saw Model SY-400-ALU

2018.02



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**CE-Conformity Declaration
CE-Konformitätserklärung
Déclaration de Conformité CE**

Product / Produkt / Produit:

Miter Circular Saw
Gehrungskreissäge
Scie circulaire Mitre
SY-400-ALU

Brand / Marke / Marque:

PROMAC

Manufacturer / Hersteller / Fabricant:

JPW (Tool) AG, Tämperlistrasse 5, CH-8117 Fällanden
Schweiz / Suisse / Switzerland

We hereby declare that this product complies with the regulations
Wir erklären hiermit, dass dieses Produkt der folgenden Richtlinie entspricht
Par la présente, nous déclarons que ce produit correspond aux directives suivantes

2006/42/EC

Machinery Directive
Maschinenrichtlinie
Directive Machines

2014/30/EU

electromagnetic compatibility
elektromagnetische Verträglichkeit
compatibilité électromagnétique

designed in consideration of the standards
und entsprechend folgender zusätzlicher Normen entwickelt wurde
et été développé dans le respect des normes complémentaires suivantes

EN ISO 12100:2010

EN 13898:2003+A1:2009

EN 60204-1:2006+A1:2009

EN 61000-6-2:2005

EN 61000-6-4:2007+A1:2011

Responsible for the Documentation / Dokumentations-Verantwortung / Responsabilité de Documentation:
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2017-12-10 Jan Dätwyler, General Manager

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Schweiz / Suisse / Switzerland

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Warnings

1. Read and understand the entire owner's manual before attempting assembly or operation.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.
3. Replace the warning labels if they become obscured or removed.
4. This machine is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a machine, do not use until proper training and knowledge have been obtained.
5. Do not use this machine for other than its intended use. If used for other purposes, PROMAC, disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
6. Always wear approved safety glasses/face shields while using this machine. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
7. Before operating this machine, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do **not** wear gloves.
8. Wear ear protectors (plugs or muffs) during extended periods of operation.
9. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
 - Lead from lead based paint.
 - Crystalline silica from bricks, cement and other masonry products.
 - Arsenic and chromium from chemically treated lumber.Your risk of exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as face or dust masks that are specifically designed to filter out microscopic particles.
10. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
11. Make certain the switch is in the **OFF** position before connecting the machine to the power supply.
12. Make certain the machine is properly grounded.
13. Make all machine adjustments or maintenance with the machine unplugged from the power source.
14. Remove adjusting keys and wrenches. Form a habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
15. Keep safety guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately.
16. Check damaged parts. Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for 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.

Warnings

17. Provide for adequate space surrounding work area and non-glare, overhead lighting.
18. Keep the floor around the machine clean and free of scrap material, oil and grease.
19. Keep visitors a safe distance from the work area. **Keep children away.**
20. Make your workshop child proof with padlocks, master switches or by removing starter keys.
21. Give your work undivided attention. Looking around, carrying on a conversation and “horse-play” are careless acts that can result in serious injury.
22. Maintain a balanced stance at all times so that you do not fall or lean against the blade or other moving parts. Do not overreach or use excessive force to perform any machine operation.
23. Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed. The right tool will do the job better and safer.
24. Use recommended accessories; improper accessories may be hazardous.
25. Maintain tools with care. Keep blades sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
26. Make sure the work piece is securely clamped in the vise. Never use your hand to hold the work piece.
27. Turn off the machine before cleaning. Use a brush or compressed air to remove chips or debris — do not use your hands.
28. Do not stand on the machine. Serious injury could occur if the machine tips over.
29. Never leave the machine running unattended. Turn the power off and do not leave the machine until the blade comes to a complete stop.
30. Remove loose items and unnecessary work pieces from the area before starting the machine.

Familiarize yourself with the following safety notices used in this manual:

CAUTION This means that if precautions are not heeded, it may result in minor injury and/or possible machine damage.

WARNING This means that if precautions are not heeded, it may result in serious injury or possibly even death.

-- SAVE THESE INSTRUCTIONS --

Specifications

Model.....	SY-400-ALU
Stock Number	SY-400-ALU
Cutting Capacity	
Round at 90° (mm)	110
Round at 45° (mm)	100
Round at 60° (mm)	100
Square at 90° (mm)	100 x 160
Square at 45° (mm)	100 x 100
Square at 60° (mm)	100 x 100
Rectangle at 90° (mm).....	60 x 200
Rectangle at 45° (mm).....	60 x 140
Rectangle at 60° (mm).....	60 x 140
Blade Size (mm).....	400 x 30
Blade Speeds (RPM)	2850
Motor	1.5kW, 400V, 3Ph
Machine Dimension (mm)	640 x 785 x 1250
Machine Package (mm)	600 x 800 x 1400
Net Weight (kg.)	180

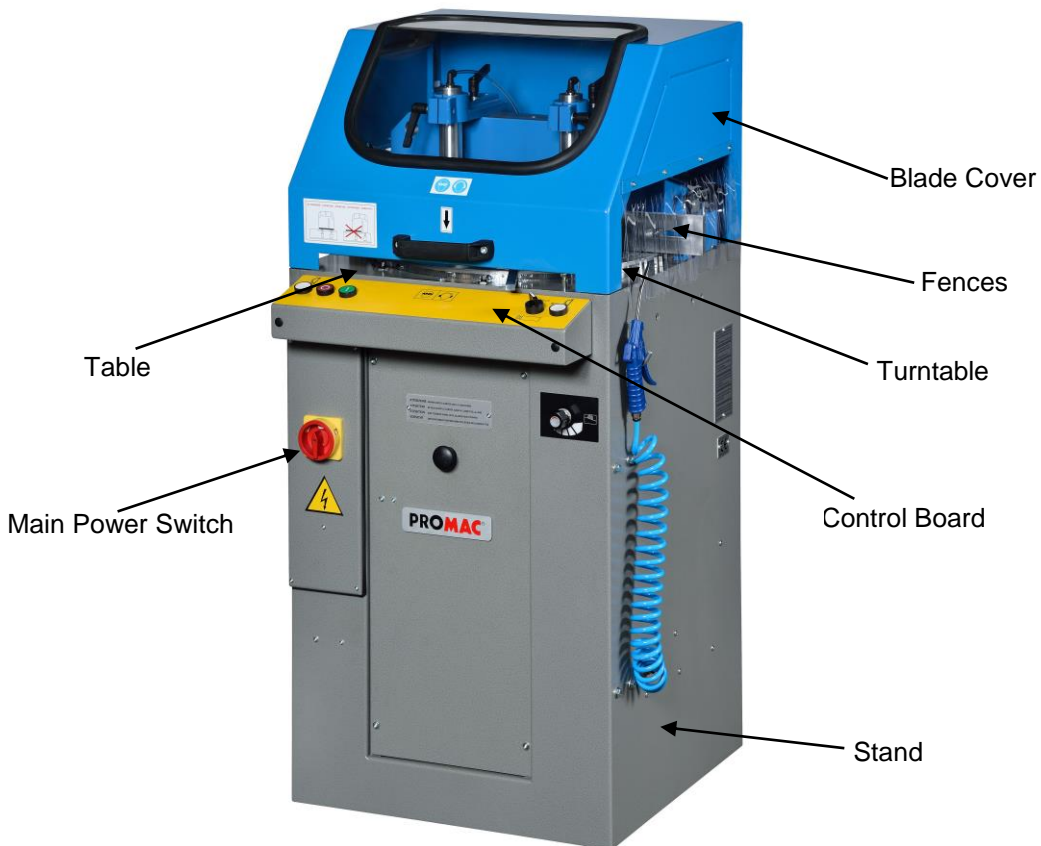


Fig 1

Shipping Contents

Contents of the Carton

- 1 Machine body (A)
- 1 Operating Instructions/Parts List (not shown)

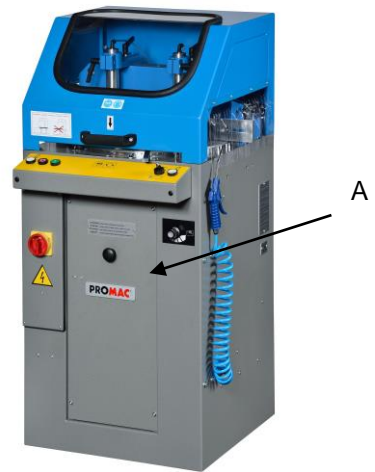


Fig 2

Assembly

- 1. Connect the pressure-air supply on the plug B (Fig 3).



Fig 3

Controls and Indicators

Keep this manual in a good state and available at a close distance from the machine.

Foreword

For the preparation of this manual, we have considered all operations referring to normal use and regular maintenance of the machine. Therefore, for correct and optimal use of the machine, it is necessary to carefully follow the instructions described herein. The use of the machine should be entrusted only to authorized and skilled personnel.

Attention: It is recommended not to carry out any repair or intervention unless not indicated. All operations requiring the disassembly of machine parts should be entrusted to specialized technical personnel.

Warranty

The machine is guaranteed for a period of 24 months starting from the date of the purchase invoice. It consists of a free of charge replacement of all mechanical parts showing material or manufacturing defects.

All electric and electronic components are excluded from this warranty. The warranty does not cover breakages or defects arising out of external factors, maintenance mistakes or other causes, improper use of the machine, use of the machine overloaded, normal wear, assembly mistakes which we may not be held responsible for. Replacements are shipped ex our factory. The machine must be returned on a free port basis, even when covered by the warranty.

Communication

For any written or verbal communication with the Dealer or with the Firm about the machine, it is necessary to supply the following information:

- Machine model
- Serial number

Voltage and frequency of the machine

Name of the dealer from which the machine was purchased.

Description of the defect found, if any description of the type of operation carried out working hours per day.

Machine identification

The machine model is identified by a plate situated at the front of the base, showing the following data:

- Serial number
- Year of manufacture
- Manufacturer's name

Use and limitations to use

The machine is for professional use and has been designed and conceived for cutting wooden semi-finished materials and their sub-products and, with suitable adaptations (a suitable blade and a "vise" accessory plastic materials (PVC) or light alloys (aluminum). The protection rating of the electrical installation is IP 54. Only the user may be held responsible for any damage arising out of a different use of the machine other than that indicates.

Attention:

1. In particular, the machine is not suitable for cutting ferrous materials.
2. The machine cannot be used in explosive environments.

Expected machine life

The expected life of the machine under conditions of normal use and regular maintenance is to be considered of at least 5 years.

Machine disposal

When the machine is no longer operative, it can be disposed of by means of a standard disposal center for industrial wastes, as it is classified as standard solid waste material.

Operations

Control board (Fig. 4)

- C Main Power Switch
- D Start Cutting Switch
- E Stop Motor Switch
- F Start Motor Switch
- G Clamping On/Off Selector Switch
- H Selector Degrees Fixing
- I Selector Degrees Rod
- J Start Cutting Switch

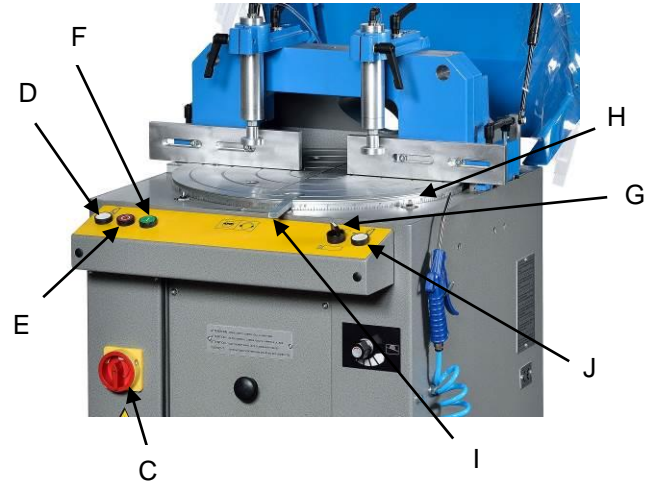


Fig 4

Execution of the cutting

1. Turn on the main power switch C (Fig.4).
2. Lock the profile on the working table by turning select switch G (Fig.4) which activates the clamps M (Fig.5).
3. Close the carter P (Fig.6).
4. Press the green button F (Fig.4) starting of the motor.
5. Press simultaneously both buttons D and J (Fig.4) in order to let the blade out and get lubrication system to work.
6. Loosen the profile by means of selector G (Fig.4).
7. Take off aluminum profiles already cut.
8. Clean the working table for the next cut by using the air gun.
9. Turn off the engine by pressing the button E (Fig.4).

Attention: The profile to be cut must always be blocked by both clamps.

Setting and Adjustment

Clamps adjustment

Clamps must be adjusted according to the profile to be worked, operating as follows:

1. For horizontal adjustment loosen lever K (Fig.5) then push transversely pistons N (Fig.5) clamp L (Fig.5) till the expected position, then lock lever K (Fig.5).
2. In case of profiles with reduced sections, loose lever O (Fig.5) and pull down piston N (Fig.5).
3. In case of profiles with bigger sections, loose lever O (Fig.5) and lift up piston N (Fig.5) till profile can be locked.
4. Then lock again lever O (Fig.5).

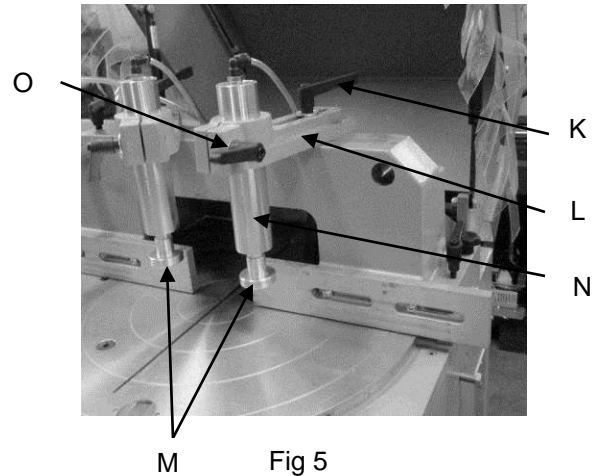


Fig 5

Attention:

The machine is equipped with double pressure pneumatic clamps, as provided by CE regulations in order to avoid crushing; therefore make sure while clamping is operating that pads C are riding profile.

Protecting the cutting area

Only once carter P (Fig.6) and clamps R (Fig.6) are closed, it is possible to let the blade run out; if micro end switch Q (Fig.6) is pressed (carter open) it will be impossible to let out the blade.

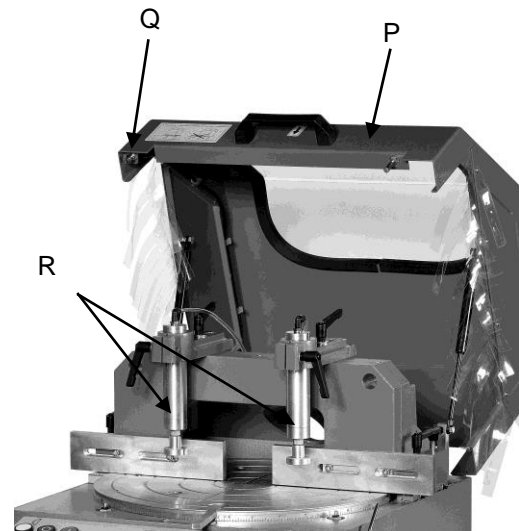
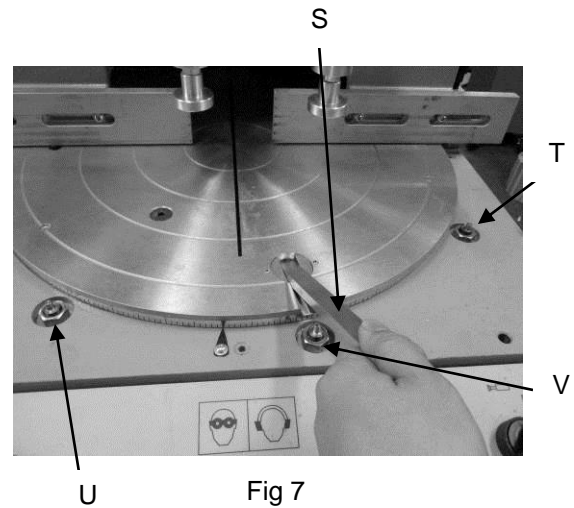


Fig 6

Adjustment of angle to cutting

Due to choice or impacts, it may happen that, the machine may lose the perfect alignment of fixed cuts. Therefore operate as follows:

1. Pull the selector degrees rod S (Fig.7) and turn the turntable left to lock into U (Fig. 7) for left 45 degree.
2. Pull the selector degrees rod S (Fig.7) and turn the turntable right to lock into T (Fig. 7) for right 45 degree.
3. For 90 degree, back to V (Fig. 7).



Description of cooling system

The machine is equipped with a cooling system that works by means of spray mist unit W (Fig.8), that starts working automatically as soon as the blade runs out, by pressing both buttons START D and J (Fig.4). The coolant is situated in a tank X (Fig.8) previously described. Check on a regular base (every 24 working hours) that the coolant is at the right level. (Use only lubricant).



Fig 8

Blade's access protection

To enter the blade, operate as follows:

1. Check that main switch C (Fig.4) is off.
2. Disassembly screw Y (Fig.9) that blocks carter Z (Fig.9) access to the blade.

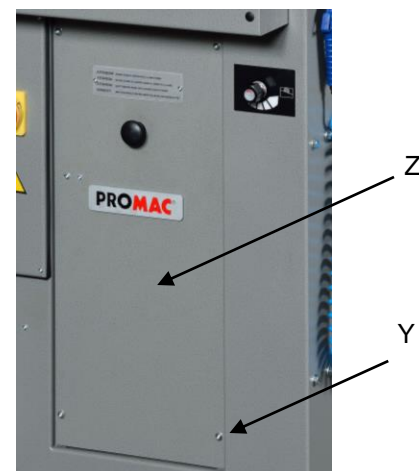


Fig 9

3. Check that blade is not turning anymore AA (Fig.10).
4. The machine is equipped with a micro end switch in order to avoid that the blade's engine may get to work before carter Z (Fig.9) is perfectly closed.

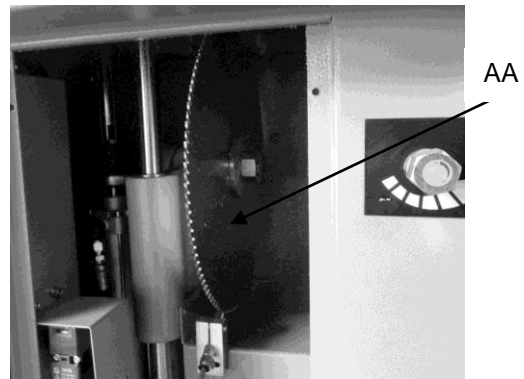


Fig 10

Assembly of the blade

For the assembly of blade AA (Fig.10) operate by means of service spanners AB and AC (Fig.11).

Insert spanner AB (Fig.11) in the hole situated on the top of the motor spindle.

Insert spanner AC (Fig.11) in the key set of nut AD (Fig.11).

Keep spanner AB (Fig.11) steady and loosen nut AD (Fig.11) turning it in clockwise direction by means of spanner AC (Fig.11).

Take off nut AD (Fig.11) and flange AE (Fig.11), insert blade AA (Fig.10) making sure that parts in contact are perfectly clean to avoid harmful vibrations.

Assemble flange AE (Fig.11) and nut AD (Fig.11) locking it by means of spanners AB and AC (Fig.11).

Make sure that blades are sharpened and in order.

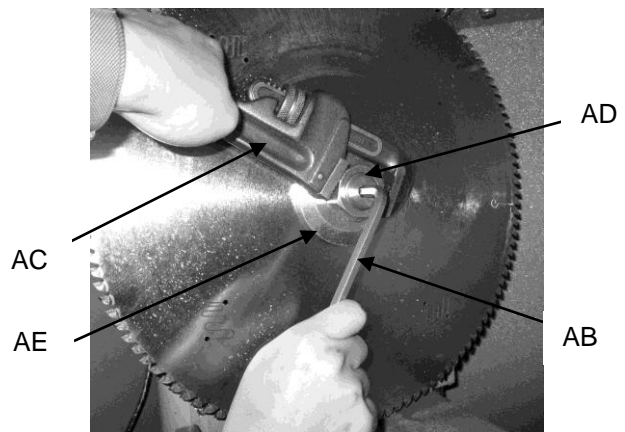


Fig 11

Adjustment of blade's way out speed

To adjust blade's way out speed, operate as follows:

1. Turn selector AF (Fig.12) in clockwise direction to reduce the speed or in anticlockwise direction to increase blade's way out speed.

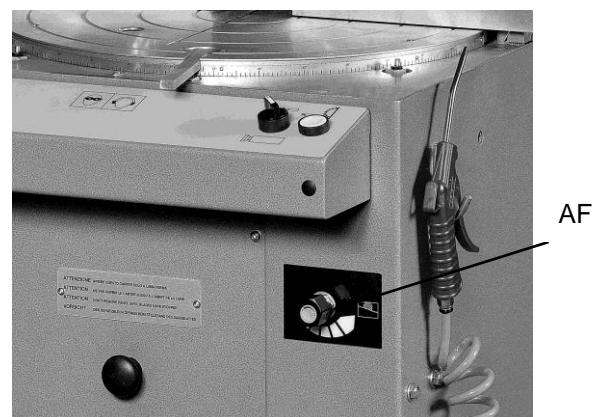


Fig 12

Maintenance

Maintenance must be carried out by qualified staff. The various operations for the ordinary and extra ordinary maintenance are indicated in the last pages of this manual.

It is compulsory to switch off the general electrical equipment, when it is necessary to adjust the machine or to disassemble any protection, by pointing out such operation through a clearly visible placard.

An important security factor is the cleaning of the machine, of the working tables, of the floor and the surrounding places.

It is very useful to read carefully through this manual before starting the machine:

1. In this way you will realize that the machine has been concerned to offer the best performances together with the highest security.
2. Encumbering and mobile objects, which could come into contact with the moving organs, are very dangerous.
3. A certain risk factor, which is eliminable with a good technique and with a constant.
4. Attention by your side, exists in every work.
5. Before starting the machine, make sure that there are no other people carrying at maintenance operations.

Other Risks

In spite of the adopted security directions, some other risks could remain.

1. Electrical cabinet. The grid-feeding voltage persists, so pay attention every time you enter it.
2. Due to high R.P.M of the blade, although precautions (like the polycarbonate guard) are adopted, those could be rejected if wrongly fitted therefore pay attention while fitting the blade.

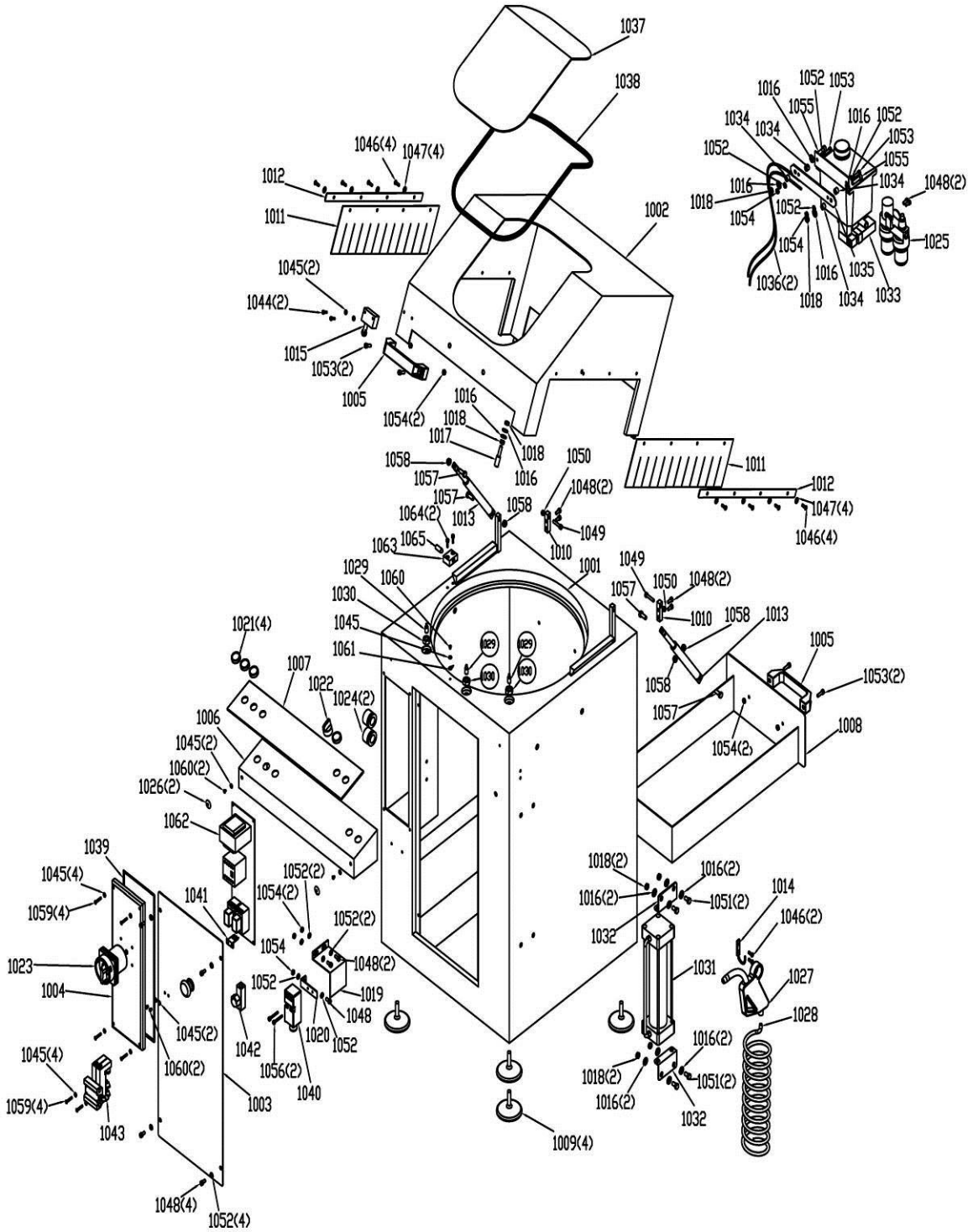
Troubleshooting

Problem	Probable Cause	Solution
Teeth breaking	Incorrect lubricant/coolant fluid	Ensure proper coolant flow.
	Material too hard	Check the cutting speed, feed speed and air pressure parameters and the type of blade you are using.
	Disc not worn--in correctly	With a new blade it is necessary to start cutting at half feeding speed. After the wearing--in period (a cutting surface of about 300 cm ² for hard materials and about 1000 cm ² for soft materials) the cutting and feed speeds can be brought up to normal values
	Disc with excessively fine tooth pitch	The dwarf wedges into the bottom of the teeth causing excessive pressure on the teeth themselves
	New blade inserted in a partially completed cut	The surface of the cut may have undergone work hardening. When starting work again, use a lower cutting speed and head feed speed. A tooth from the old blade may be left in the cut: check and remove before starting work again.
	Work piece not clamped firmly in place	Any movement of the work piece during cutting can cause broken teeth: check the vise, jaws and clamping pressure.
Rapid tooth wear	Feed speed too slow	The blade runs over the material without removing it: increase feed speed.
	Cutting pressure too high	Reduce cutting pressure.
	Blade speed too high	The teeth slide over the material without cutting it: reduce the blade speed.
	Insufficient coolant	Check the coolant level and clean coolant lines and nozzles.
	Incorrect fluid concentration	Check and use the correct concentration.
	Material defective	The materials may present altered zones either on the surface, such as oxides or sand, or in section, such as under-cooled inclusions. These zones, which are much harder than the blade, cause the teeth to break: discard or clean these materials.
Broken blade	Feed speed too high	Reduce blade speed.
	Teeth in contact with material before starting the cut	Always check the position of the blade before starting a new job.
	Insufficient coolant	Check the coolant level and clean coolant lines and nozzles.

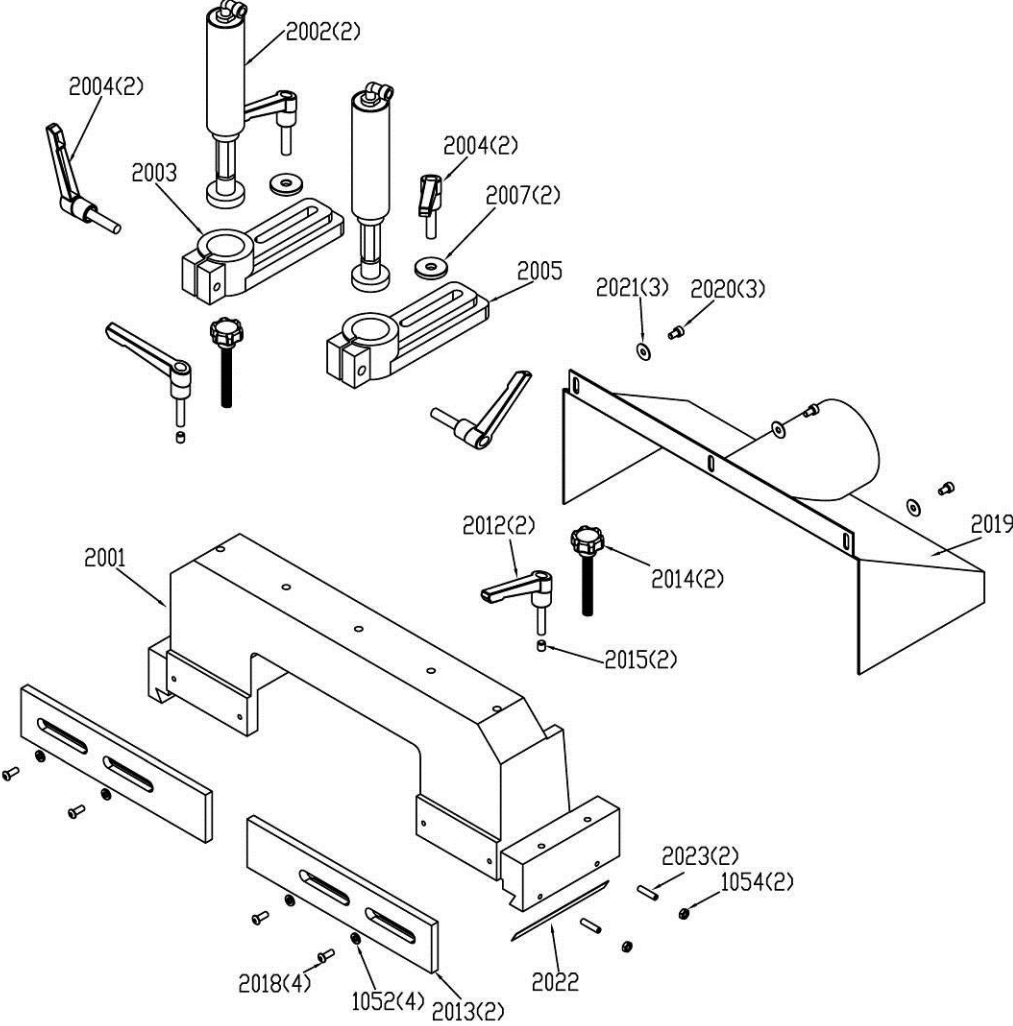
Troubleshooting

Spindle motor will not turn	Electrical power supply	Check: the cables, plug and socket. Also check that the motor connections are in place.
	Transformer	Check that the voltages are present both on the input and output. Otherwise replace.
	Contactator	Check that the phases in it are present both on the input and output, that it is not jammed, that it closes when powered and that it is not causing short circuits. Change if any of these problems are found.
	Thermal relay	Make sure it is closed, i.e. check that the phases are present in input and output that it is not causing short circuits and responds when the reset coil is closed. If it has tripped to protect the motor, check the amperage setting, reset, and check the motor. Change if necessary.
	Motor	Check that it has not burnt out, that it turns freely and that there is no moisture in the connection terminal board box. The winding can be rewound or replaced.

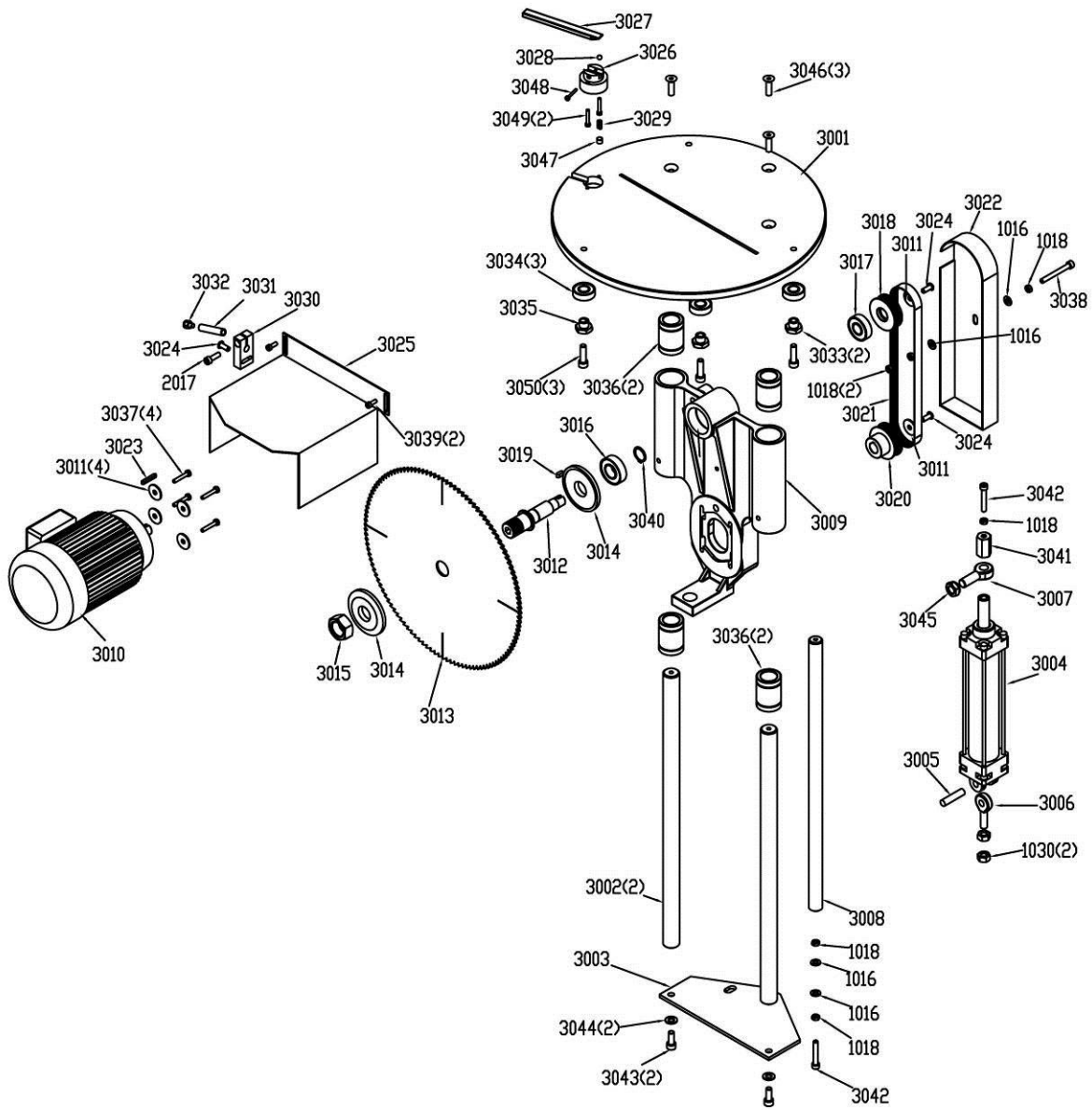
Saw Assembly Drawing -1



Saw Assembly Drawing-2



Saw Assembly Drawing-3



Saw Assembly Parts

Index No.	Part No.	Description	Size	Q'ty
1001	SY-400-ALU-1001	Base		1
1002	SY-400-ALU-1002	Up Cover		1
1003	SY-400-ALU-1003	Front Panel		1
1004	SY-400-ALU-1004	Power Switch Plate Board		1
1005	SY-400-ALU-1005	Handle		2
1006	SY-400-ALU-1006	Switch Plate Board Support		1
1007	SY-400-ALU-1007	Acrylic Panel		1
1008	SY-400-ALU-1008	Iron Recycling Bin		1
1009	SY-400-ALU-1009	Foot Plate		4
1010	SY-400-ALU-1010	Up Cover Button		2
1011	SY-400-ALU-1011	Pads		2
1012	SY-400-ALU-1012	Pads Plate		2
1013	SY-400-ALU-1013	Pneumatic Cylinder Bracket		2
1014	SY-400-ALU-1014	Hook		1
1015	SY-400-ALU-1015	Jump Electrical Switch		1
1016	SY-400-ALU-1016	Washer	M8	18
1017	SY-400-ALU-1017	Closed Guide Rod		1
1018	SY-400-ALU-1018	Nut	M8	14
1019	SY-400-ALU-1019	Door Electric Plug-Hop Switch Guard		1
1020	SY-400-ALU-1020	Door Electric Plug-Hop Switch Support		1
1021	SY-400-ALU-1021	Switch Button		4
1022	SY-400-ALU-1022	Switch Button		1
1023	SY-400-ALU-1023	Power Switch		1
1024	SY-400-ALU-1024	Power Line Protection Head Sheet Metal		2
1025	SY-400-ALU-1025	FRI Combination		1
1026	SY-400-ALU-1026	Plug		2
1027	SY-400-ALU-1027	Air Duct Equipment		1
1028	SY-400-ALU-1028	Duct House		1
1029	SY-400-ALU-1029	Turntable Positioning Pin		3
1030	SY-400-ALU-1030	Nut	M12	5
1031	SY-400-ALU-1031	Speed Hydraulic Cylinder		1
1032	SY-400-ALU-1032	Governor Hydraulic Cylinder Holder		2
1033	SY-400-ALU-1033	Oil Mist Supply System		1
1034	SY-400-ALU-1034	Screw Elevate Column	M6x12	4
1035	SY-400-ALU-1035	Oil Mist System Assembly Adapter Plate		1
1036	SY-400-ALU-1036	Duct Line		2
1037	SY-400-ALU-1037	Acrylic Cover Plate		1
1038	SY-400-ALU-1038	Acrylic Cover Layering Plate		1
1039	SY-400-ALU-1039	Strip		1
1040	SY-400-ALU-1040	Door Electric Plug-Hop Switch Body		1
1041	SY-400-ALU-1041	Plug-Door Door Switch Tripped Plug		1
1042	SY-400-ALU-1042	Hydraulic Control Valve		1
1043	SY-400-ALU-1043	Pressure Regulating Valve		1
1044	SY-400-ALU-1044	Screw	M4x16	2
1045	SY-400-ALU-1045	Washer	M4	13
1046	SY-400-ALU-1046	Round Hexagonal Screw	5x16	10
1047	SY-400-ALU-1047	Washer	M5	8
1048	SY-400-ALU-1048	Screw	M6x12	13
1049	SY-400-ALU-1049	Screw	M6x30	2
1050	SY-400-ALU-1050	Hexagonal Nut Slip	M6	2
1051	SY-400-ALU-1051	Hex Screw	M8x15	4
1052	SY-400-ALU-1052	Washer	M6x12	18
1053	SY-400-ALU-1053	Screw	M6x20	6
1054	SY-400-ALU-1054	Nut	M6	11
1055	SY-400-ALU-1055	Screw	M8x30	2

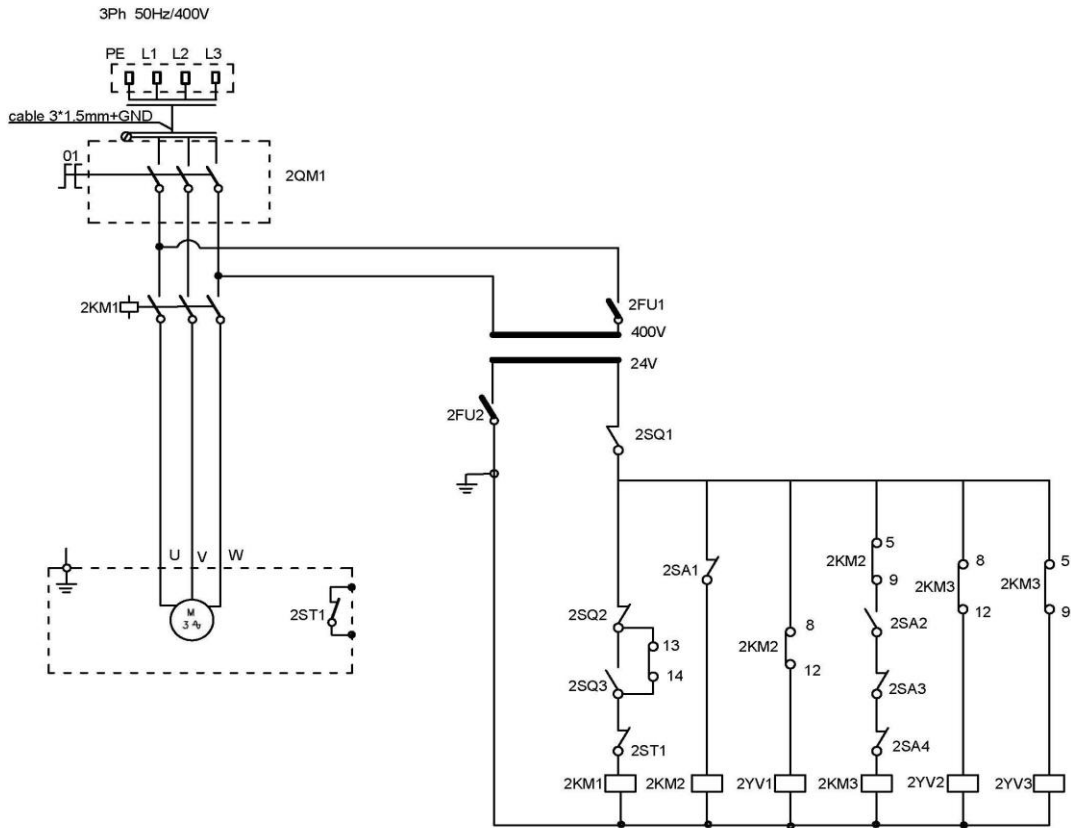
Saw Assembly Parts

Index No.	Part No.	Description	Size	Q'ty
1056	SY-400-ALU-1056	Screw	M4x35	2
1057	SY-400-ALU-1057	Screw	M8x20	4
1058	SY-400-ALU-1058	Hexagonal Nut Slip	M8	4
1059	SY-400-ALU-1059	Round Hexagonal Screw	M4x25	6
1060	SY-400-ALU-1060	Round Hexagonal Screw	M4x6	5
1061	SY-400-ALU-1061	Angle Pointer		1
1062	SY-400-ALU-1062	Electronic Control Board		1
1063	SY-400-ALU-1063	Disc Seat		1
1064	SY-400-ALU-1064	Screw	M5x16	2
1065	SY-400-ALU-1065	Whole Tooth Ball Screw	L25	1
2001	SY-400-ALU-2001	Clamping System Mast		1
2002	SY-400-ALU-2002	Pneumatic Clamping Bar		2
2003	SY-400-ALU-2003	Pneumatic Clamping Bar Left Block		1
2004	SY-400-ALU-2004	Elastic Spin	10x40	4
2005	SY-400-ALU-2005	Pneumatic Clamping Bar Right Block		1
2007	SY-400-ALU-2007	Washer	34x10x5	2
2012	SY-400-ALU-2012	Elastic Spin	8x40	2
2013	SY-400-ALU-2013	Back Gauge Seat		2
2014	SY-400-ALU-2014	Knob Pin	6x140	2
2015	SY-400-ALU-2015	Brass Block		2
2017	SY-400-ALU-2017	Screw	M8x25	1
2018	SY-400-ALU-2018	Round Hexagonal Screw	6x16	4
2019	SY-400-ALU-2019	Sheet Metal Ventilation Connection		1
2020	SY-400-ALU-2020	Screw	6x10	3
2021	SY-400-ALU-2021	Washer	M6x19	3
2022	SY-400-ALU-2022	Dovetail Copper Plate		1
2023	SY-400-ALU-2023	Screw	M6x25	2
3001	SY-400-ALU-3001	Blade Circular Seat		1
3002	SY-400-ALU-3002	Slide Column	30x602	2
3003	SY-400-ALU-3003	Slide Column Positioning Plate		1
3004	SY-400-ALU-3004	Lifting Cylinder Body		1
3005	SY-400-ALU-3005	Lifting Cylinder Connect Shaft		1
3006	SY-400-ALU-3006	Connecting Screw	M12x35	1
3007	SY-400-ALU-3007	Connecting Screw	M16x35	1
3008	SY-400-ALU-3008	Support Column	25x595	1
3009	SY-400-ALU-3009	Lifting Sliding Seat		1
3010	SY-400-ALU-3010	Motor	400V 50Hz 3Ph	1
3011	SY-400-ALU-3011	Washer	30x8x3	6
3012	SY-400-ALU-3012	Pulley Shaft		1
3013	SY-400-ALU-3013	Blade		1
3014	SY-400-ALU-3014	Saw Blade Clamping Plate		2
3015	SY-400-ALU-3015	Nut	M32	1
3016	SY-400-ALU-3016	Bearing	6205	1
3017	SY-400-ALU-3017	Bearing	6204	1
3018	SY-400-ALU-3018	Saw Pulley		1
3019	SY-400-ALU-3019	Key	6x6x15	1
3020	SY-400-ALU-3020	Motor Pulley		1
3021	SY-400-ALU-3021	Belt		1
3022	SY-400-ALU-3022	Pulley Cover		1
3023	SY-400-ALU-3023	Key	5x5x30	1
3024	SY-400-ALU-3024	Screw	M8x20	3
3025	SY-400-ALU-3025	Motor Cover		1
3026	SY-400-ALU-3026	Turntable Angle Locator - Spud		1
3027	SY-400-ALU-3027	Turntable Angle Locator - Positioning Handle		1
3028	SY-400-ALU-3028	Steel Ball		1
3029	SY-400-ALU-3029	Spring		1

Saw Assembly Parts

Index No.	Part No.	Description	Size	Q'ty
3030	SY-400-ALU-3030	Oil Mist System Spud		1
3031	SY-400-ALU-3031	Mist Nozzle		1
3032	SY-400-ALU-3032	Pneumatic Tube Quick Connector		1
3033	SY-400-ALU-3033	Disc Rotary Bearing Fixed Positioning Seat		2
3034	SY-400-ALU-3034	Bearing	6203	3
3035	SY-400-ALU-3035	Disc Rotary Bearing Fixed Positioning Adjust		1
3036	SY-400-ALU-3036	Guide Post Bearing		4
3037	SY-400-ALU-3037	Hex Screw	M6x35	4
3038	SY-400-ALU-3038	Screw	M8x70	1
3039	SY-400-ALU-3039	Screw	M6x16	2
3040	SY-400-ALU-3040	C-Ring		1
3041	SY-400-ALU-3041	Nut		1
3042	SY-400-ALU-3042	Screw	M8x50	2
3043	SY-400-ALU-3043	Screw	M10x25	2
3044	SY-400-ALU-3044	Washer	M10x22x10	5
3045	SY-400-ALU-3045	Hexagonal Nut Slip	M16	1
3046	SY-400-ALU-3046	Flat Head Hex Screw		3
3047	SY-400-ALU-3047	Whole Tooth Hexagon Screw		1
3048	SY-400-ALU-3048	Screw	M4x30	1
3049	SY-400-ALU-3049	Screw	M5x30	2
3050	SY-400-ALU-3050	Screw	M10x35	3

Wiring Diagram and Parts



ITEM	DESCRIPTION	BRAND NO.	SPECIFICATION
2SQ1	Cover Switch	QK-S-8-1	IP-54 AC-15 14A 250V AC-15 8A 400V CE
2SQ2	Stop Main Motor Switch	NPB-22-F01R-O	UI 600V IEN 10A CE
2SQ3	Start Main Motor	NPB-22-F10G-1	UI 600V IEN 10A CE
2SA1	Up Cover Switch	HE-15G 1318	15A 125/250VAC CE
2SA2	Start Switch For Vise	NPB-22-S201B	UI 600V IEN 10A CE
2SA3/2SA4	Switch For Up The Saw Blade	NPB-22-F10W-S201B	UI 600V IEN 10A CE
2KM1	Magnetic Switch For Motor	S-P09-S/AC24V (Shihlin)	AC 600V AZ1=1TH=20A CE
2QM1	Main Switch	ZH-HD-2-80-BY	25/16A 250V 7.5HP 400V 3PH CE
KM2	Relay For Vise	MY-4-NJ-AC-24V	5A 240V AC1 5A-28V-DC1 CE
KM3	Relay For Saw Blade Up	MY-4-NJ-AC-24V	5A 240V AC1 5A-28V-DC1 CE
2ST1	Temperature Over Load (Internal Motor)		
2YV1	Magnetic Valve For Vise	(Fonray)	210MA AC24V 5VA CE
2YV2	Magnetic Valve For Up The Saw Blade	(Fonray)	210MA AC24V 5VA CE
2TC1	Transformer		400V/24V/30AV
2YV3	Spray System Control	(Lubetool)	4.5~7BAR 24V AC CE

PROMAC®

Garantie

Wir gewähren Ihnen auf den unten eingetragenen Artikeln Garantie auf die Dauer von 24 Monaten ab Laufdatum. Einzige Voraussetzung: dieses ausgefüllte persönliche Garantie-Zertifikat muss der zur Reparatur eingesandten Maschine beigelegt sein.

Par ce document nous nous engageons à réparer l'article mentionné ci-dessous en garantie pendant une période de 24 mois à partir de la date d'achat. Cette garantie ne sera pas honorée si ce certificat dûment complété n'est pas renvoyé avec la machine en question pour toute réparation.

Modell / Modèle

Namen und Anschrift des Käufers / Nom et adresse de l'acheteur

Serie-Nr. / N° de série

Kaufdatum / Date de l'achat

Händler-Stempel

Cachet du revendeur