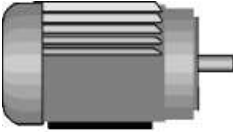

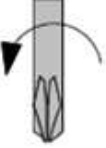
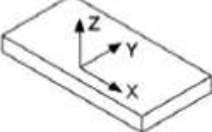
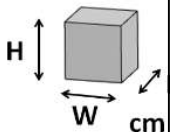
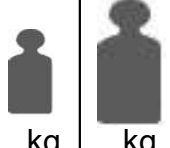




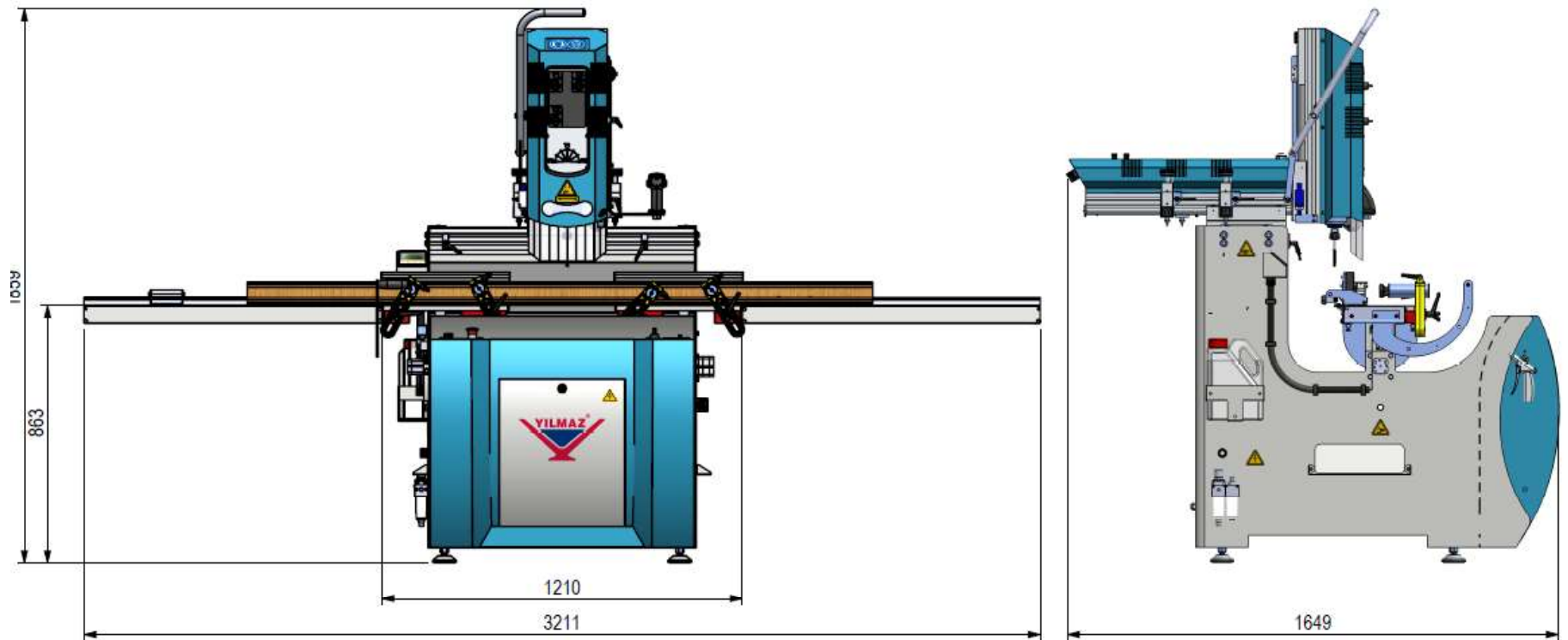
## TEKNİK ÖZELLİKLER - TECHNICAL FEATURES - ТЕХНИЧЕСКИЕ ОСОБЕННОСТИ

									
<b>CRM 301S</b>	400V 3P 50-60 Hz	5.5 AMPER	6-8 BAR	7 Lt/dak. Lt/min.	12000 dev/dak RPM	x = 585 mm y = 400 mm z = 250 mm	W = 125 L = 170 H = 130	430 kg	510 kg

 <p>YILMAZ PVC VE ALÜMİNYUM İŞLEME MAKİNELERİ SANAYİ TİCARET LTD.ŞTİ. Turgut Özal Bulvarı.No:173 Tasdelen 34788 Cekmekoy İSTANBUL-TURKİYE Tel: +90 (216) 312 28 28 (Pbx) Fax: +90 (216) 484 42 88 web : <a href="http://www.yilmazmachine.com.tr">www.yilmazmachine.com.tr</a> e-mail: <a href="mailto:yilmaz@yilmazmachine.com.tr">yilmaz@yilmazmachine.com.tr</a></p> 			
MODEL TYPE MODEL	CRM 301	RATED CURRENT NOMINAL AKIM	8,5 A
SERIAL NO SERI NO		IDLING REV. DEVİR SAYISI	300 RPM (Min) 12000 RPM (Max)
PROD.DATE ÜRETİM TAR.		AIR CONSUMP. HAVA TÜKETİMİ	7 Lt/min
TOTAL POWER TOPLAM GÜÇ	3,7 kW	AIR PRESSURE HAVA BASINCI	6-8 BAR
RATED VOLTAGE NOMİNAL GERİLİM	400V AC 3P PE	WEIGHT AĞIRLIK	430 KG.

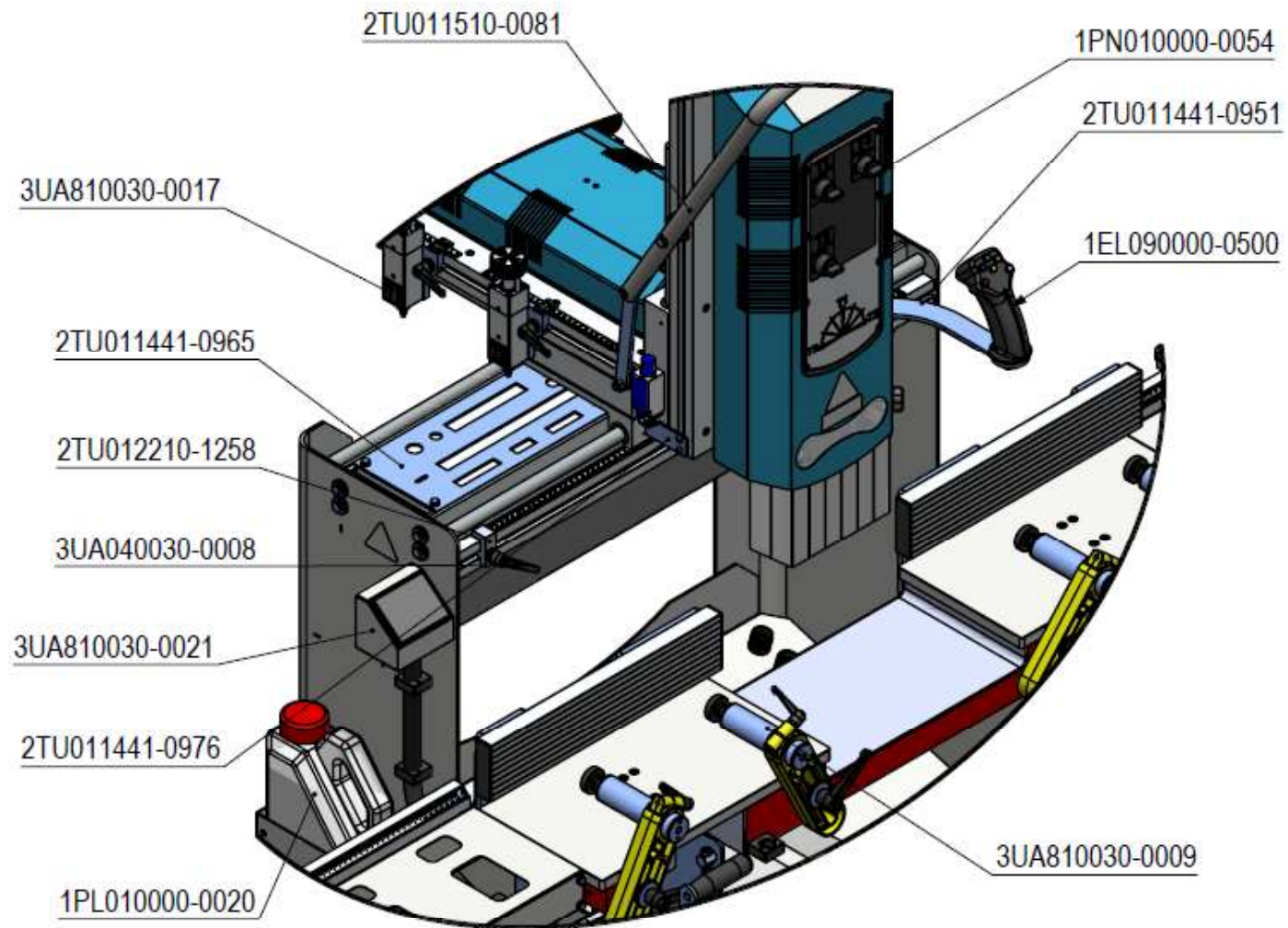
BOYUTLAR – DIMENSIONS – РАЗМЕРЫ

RESİM-FIGURE-РИСУНОК 1

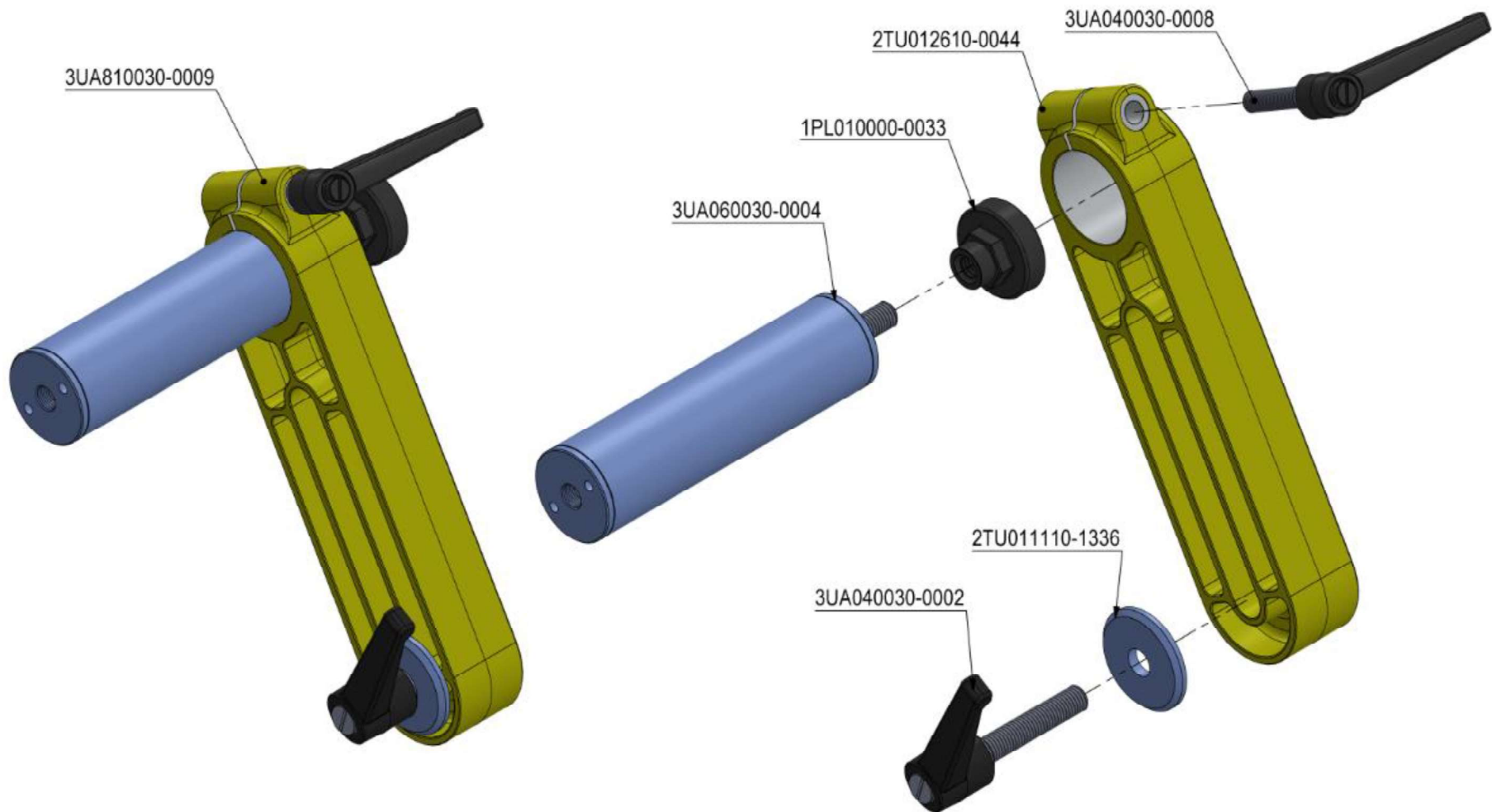


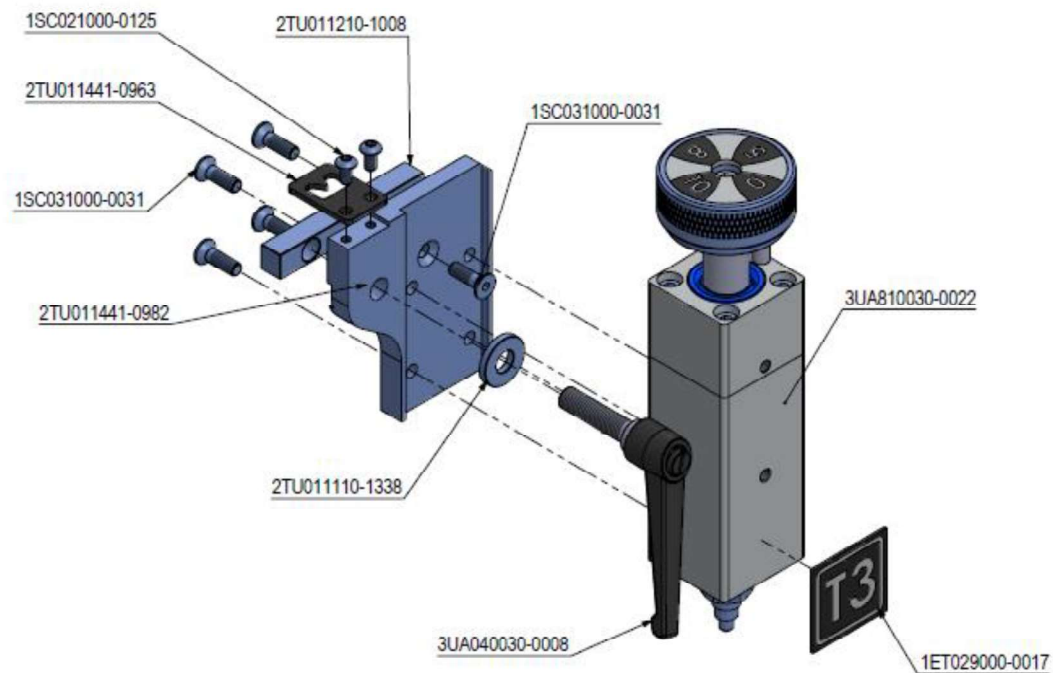
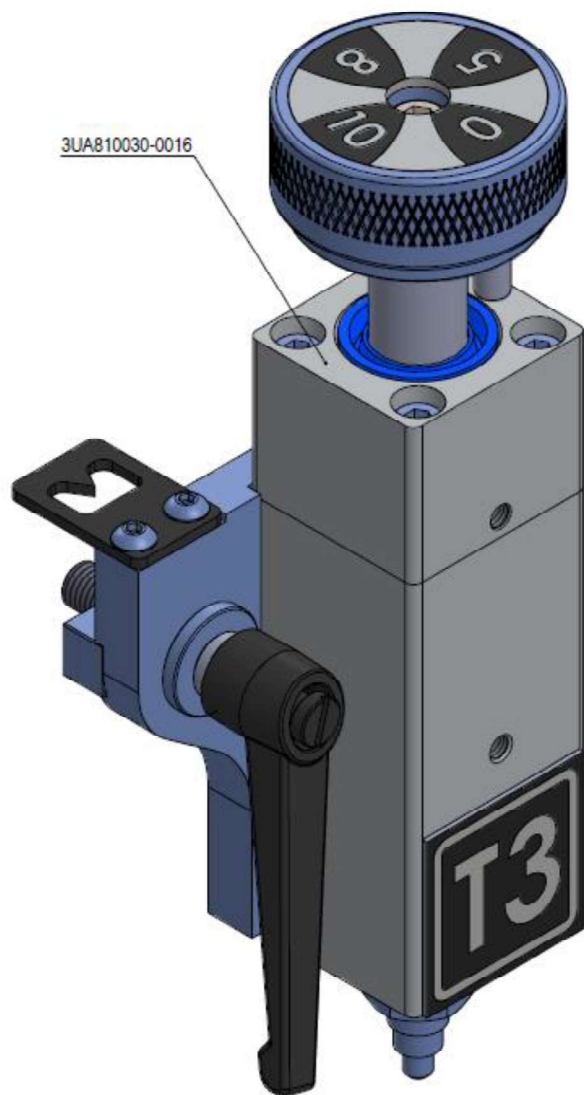
PARÇA LİSTESİ - PART LIST - ПЕРЕЧЕНЬ ДЕТАЛЕЙ

RESİM-FIGURE-РИСУНОК 2



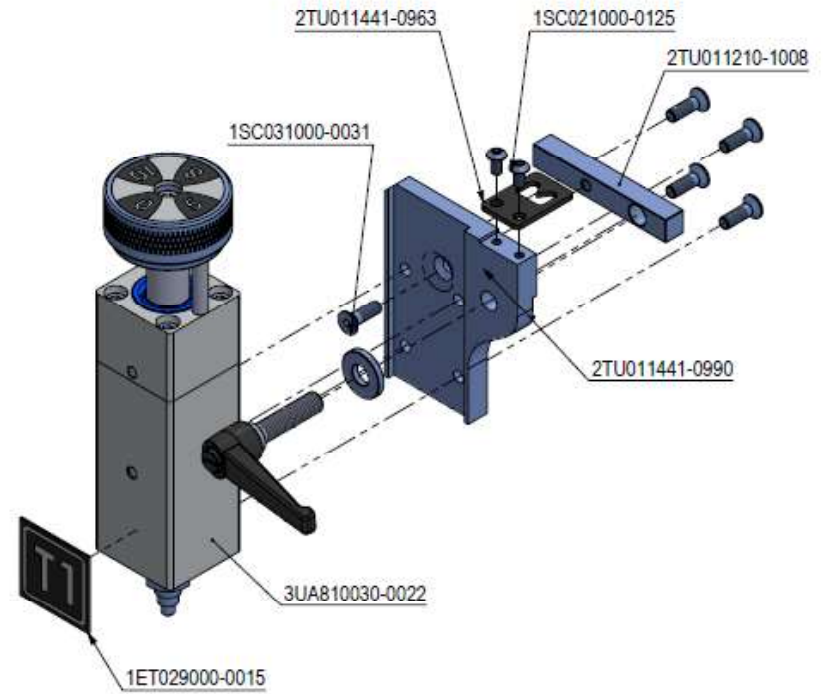
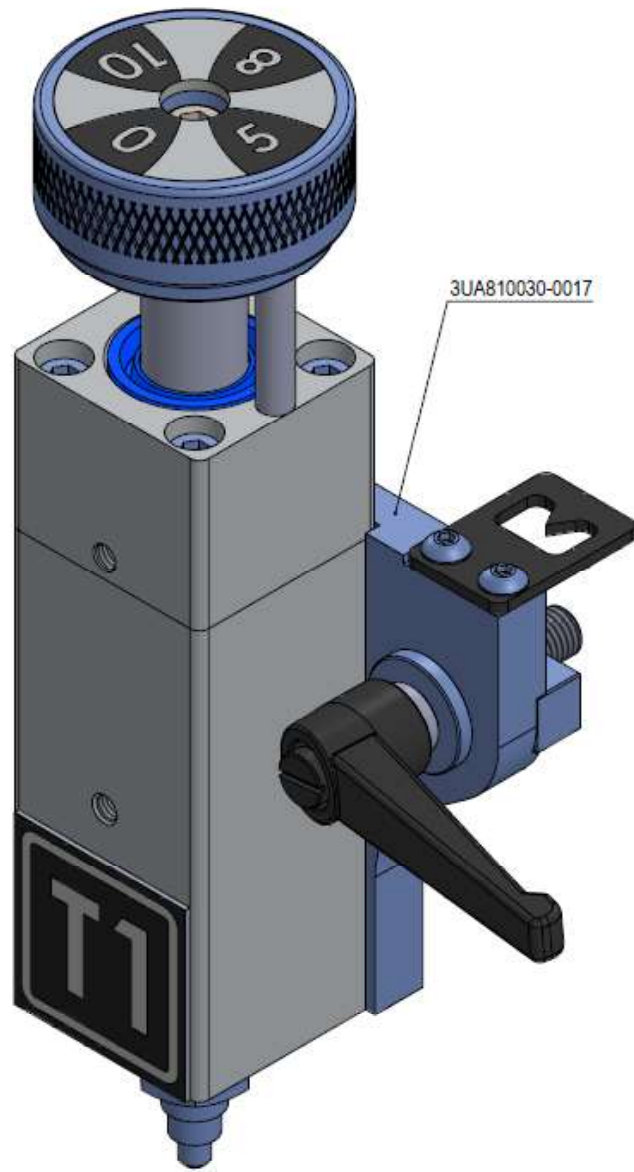
RESİM-FIGURE-РИСУНОК 3

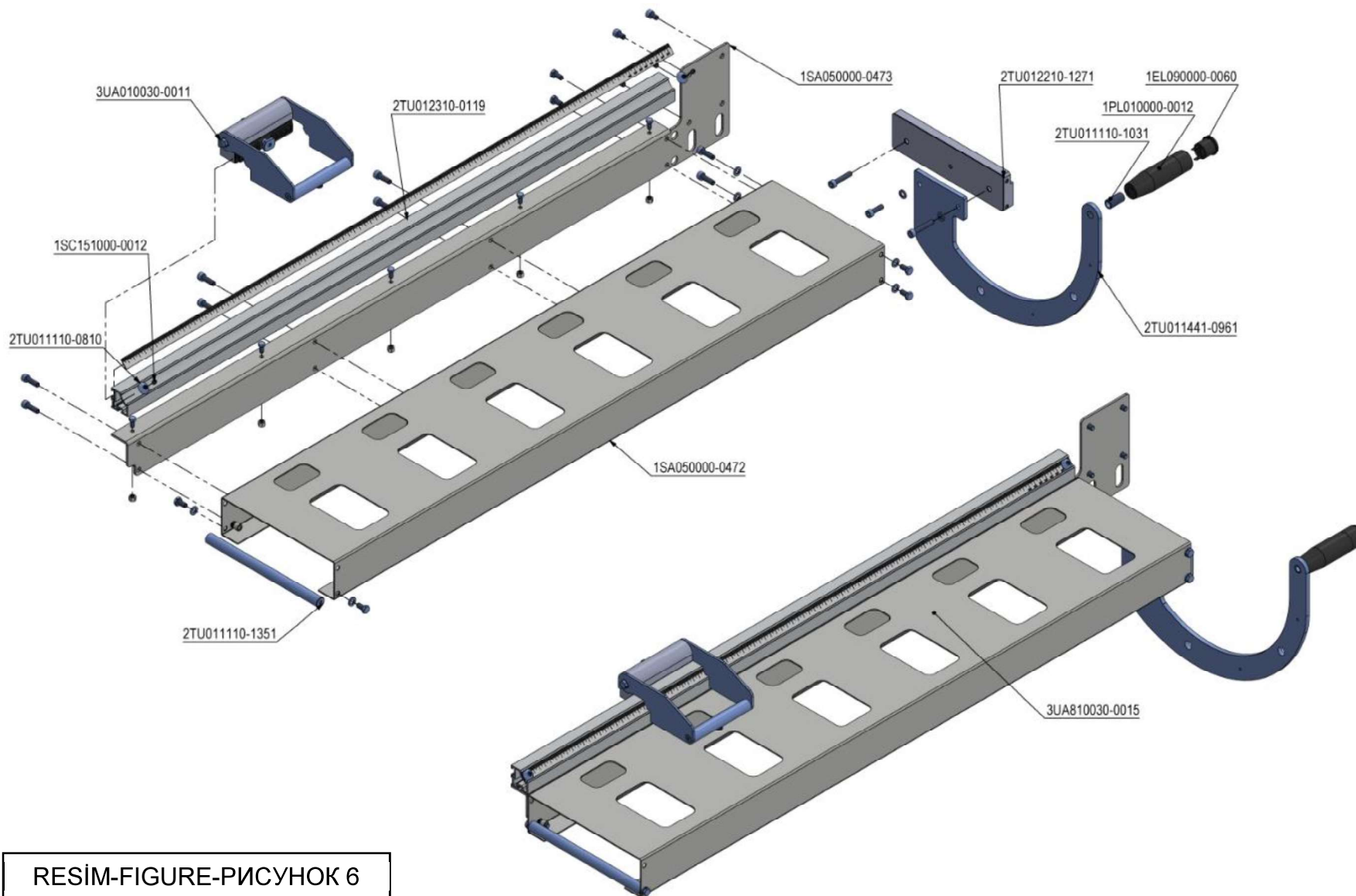




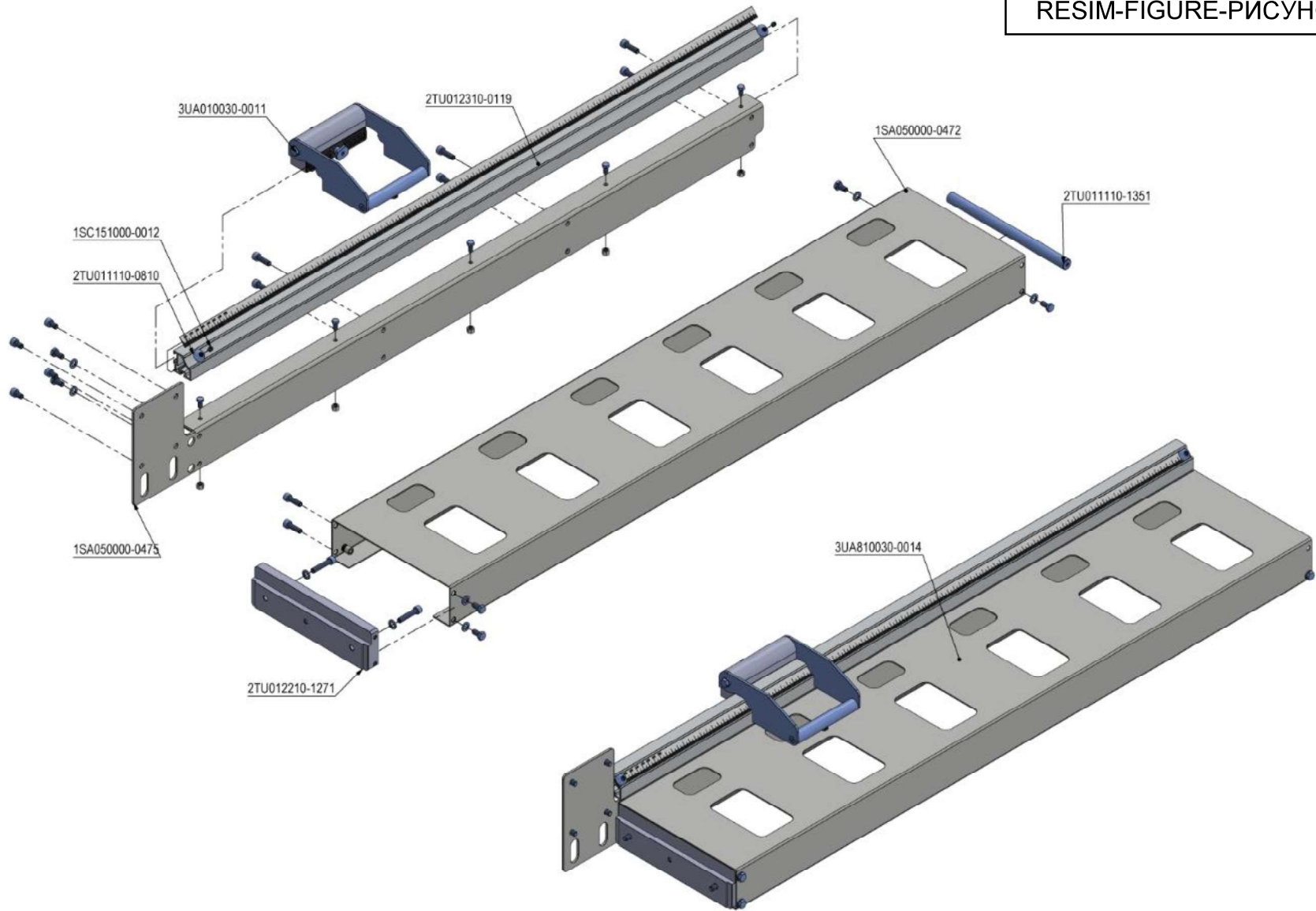
RESİM-FIGURE-РИСУНОК 4

RESİM-FIGURE-РИСУНОК 5



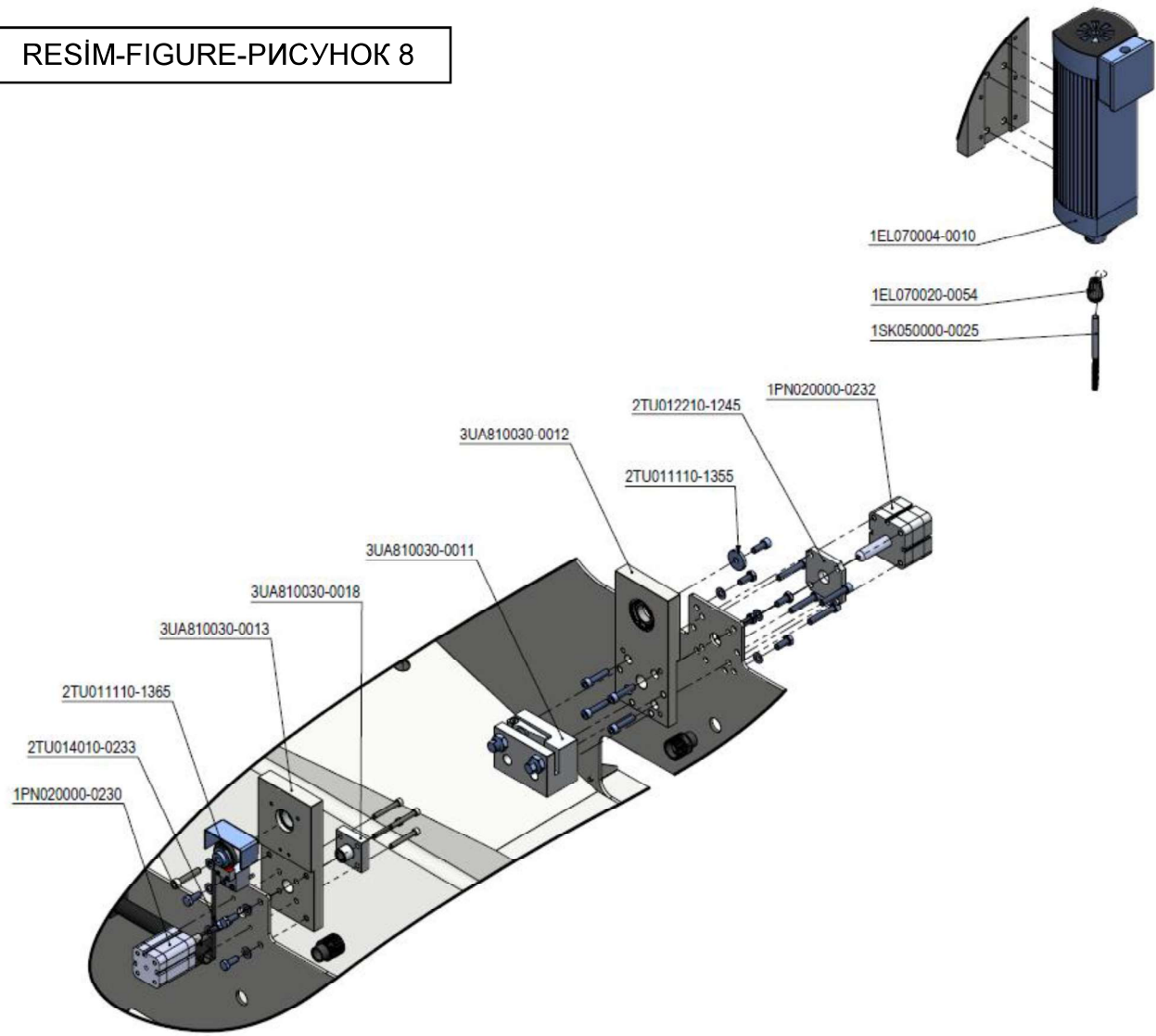


RESIM-FIGURE-PIСУНОК 7

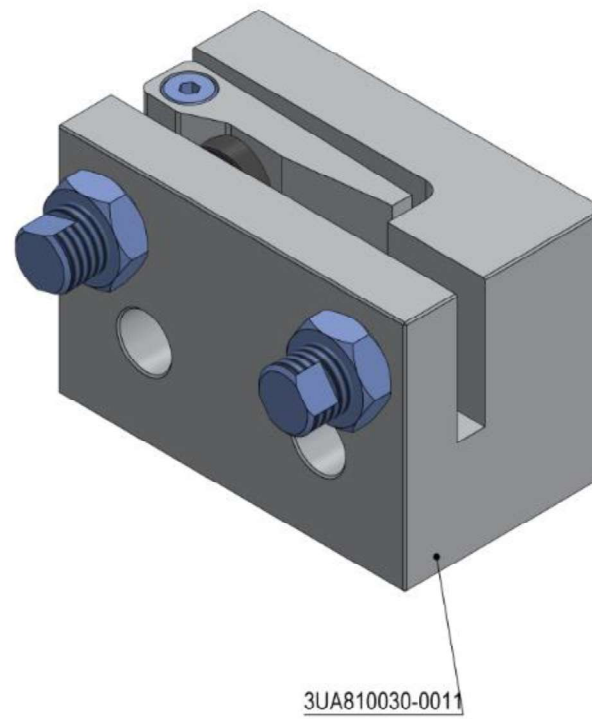
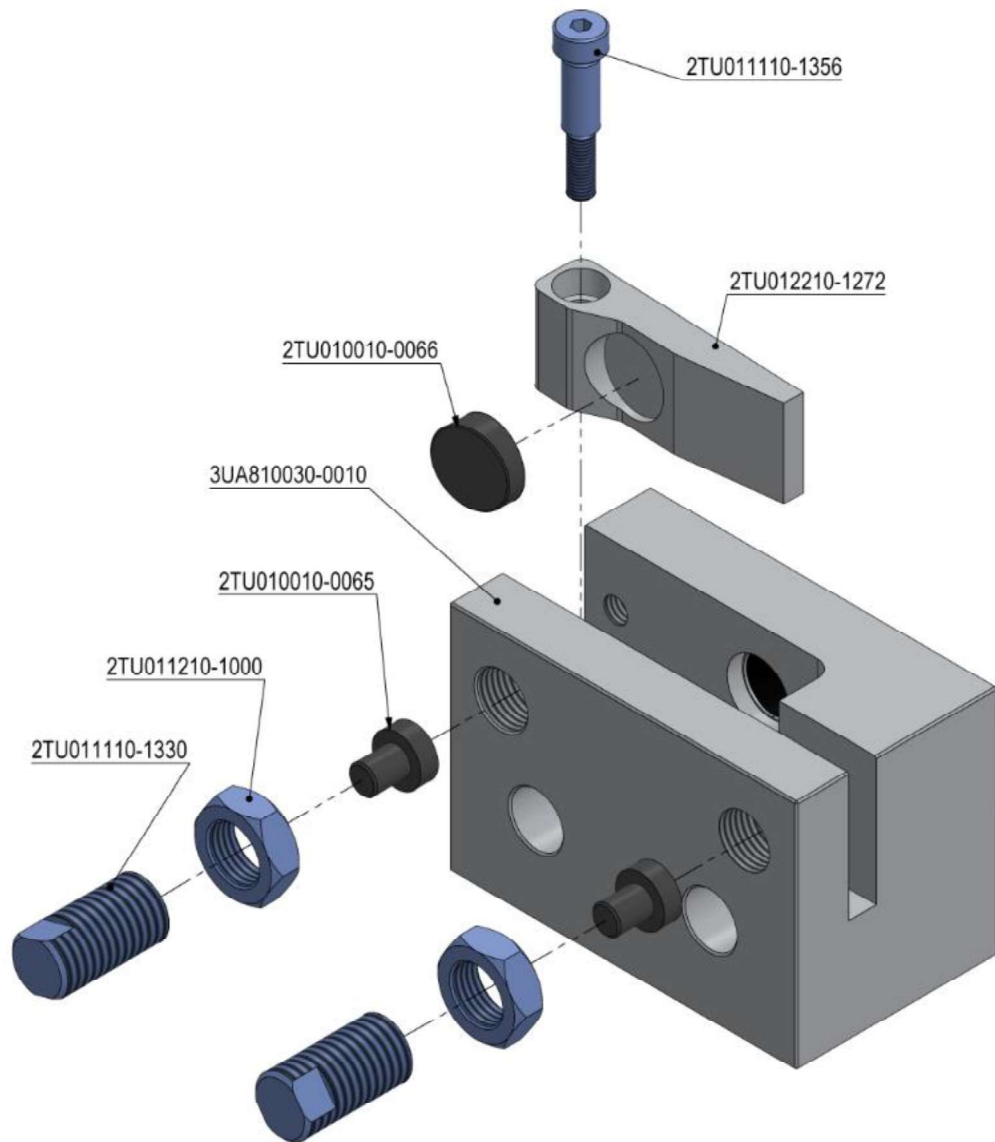









RESİM-Figure-РИСУНОК 8

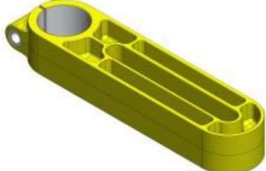
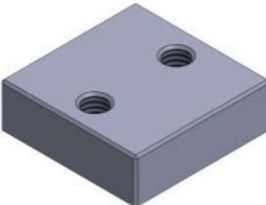

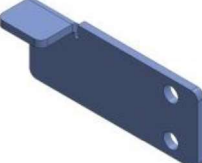
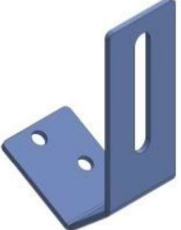






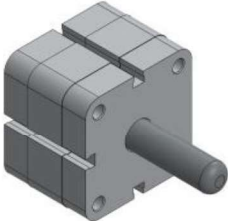
RESIM-FIGURE-ПИСУНОК 9




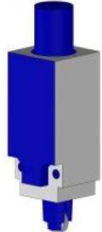

<b>YEDEK PARÇA LİSTESİ / SPARE PART LIST / СПИСОК ЗАПАСНЫХ ЧАСТЕЙ</b>			
<b>PARÇA NO PART NO НОМЕР</b>	<b>RESİM PICTURE РИСУНОК</b>	<b>STOK KODU / CODE ПОРЯДОК КОД</b>	<b>PARÇA ADI – PART NAME НАИМЕНОВАНИЕ ДЕТАЛИ</b>
1		3UA810030-0017	ŞABLON SOL PİSTON MONTAJI PATTERN LEFT PISTON MOUNTING МОНТАЖ ЛЕВОГО ШТОКА ШАБЛОНА
2		3UA810030-0016	ŞABLON SAĞ PİSTON MONTAJI PATTERN RIGHT PISTON MOUNTING МОНТАЖ ПРАВОГО ШТОКА ШАБЛОНА
3		3UA810030-0015	SOL DAYAMA MONTAJI LEFT SUPPORT MOUNTING МОНТАЖ ЛЕВОЙ ОПОРЫ
4		3UA810030-0014	SAĞ DAYAMA MONTAJI RIGHT SUPPORT MOUNTING МОНТАЖ ПРАВОЙ ОПОРЫ
5		3UA810030-0011	FRENLEME BLOĞU BRAKING BLOCK ТОРМОЗНОЙ БЛОК

6		3UA810030-0009	MENGENE MONTAJI CLAMP MOUNTING МОНТАЖ ЗАЖИМА
7		3UA810030-0008	PIPO3 M8*32 PIPE 3 M8*32 ПАТРУБОК M8*32
8		3UA810030-0002	PIPO 1 (M10*50) PIPE 1 (M10*50) ПАТРУБОК 1 (M10*50)
9		3UA810030-0011	KN 152 DAYAMA – YARIKOMPLE KN 152 SUPPORT- SEMI/COMPLETE KN 152 ОПОРА – ПОЛУКОМПЛЕКТ
10		2TU014010-0233	DAYAMA MİLi SUPPORT MILL ОПОРНЫЙ ШТОК

11		2TU012610-0044	MENGENE PİSTON BAĞLANTISI CLAMP PISTON CONNECTION ПОДСОЕДИНЕНИЕ ШТОКА ЗАЖИМА
12		2TU012210-1281	SWİTCH SOMUNU SWİTCH NUT РЕГУЛИРОВОЧНЫЙ ВИНТ
13		2TU012210-1258	SABİTLEME LAMASI FIXING PLATE ФИКСИРУЮЩАЯ ПЛАСТИНА
14		2TU011441-0976	LİMİTLEYİCİ SAC LIMITING SHEET ОГРАНИЧИТЕЛЬНАЯ ПЛАСТИНА
15		2TU011441-0975	SU PÜSKÜRTME BAĞLANTI SACI WATER SPRAYING CONNECTION PLATE СОЕДИНИТЕЛЬНАЯ ПЛАСТИНА ДЛЯ РАСПЫЛИТЕЛЯ ВОДЫ

16		2TU011441-0960	DERECE STOPER BAĞLANTI SACI ANGLE STOPPER CONNECTION PLATE СОЕДИНИТЕЛЬНАЯ ПЛАСТИНА ДЛЯ ГРАДУИРОВАННОГО СТОПОРНОГО УСТРОЙСТВА
17		2TU011210-1007	İZLEYİCİ PİM FOLLOWER PIN ШТИФТ
18		2TU011110-1345	JOYSTICK SABİTLEME CİVATASI JOYSTICK FIXING BOLT БОЛТ ДЛЯ ФИКСАЦИИ РЫЧАГА УПРАВЛЕНИЯ
19		1YY030000-0011	AMORTİSÖR DAMPER АМОРТИЗАТОР
20		1PN020000-0232	PİSTON PK-A 50x5 PISTON PK-A 50x5 АМОРТИЗАТОР

21		1PN020000-0231	PİSTON PK-A 32x5 PISTON PK-A 32x5 АМОРТИЗАТОР
22		1PN020000-0230	PİSTON PK-A 32x25 PISTON PK-A 32x25 ШТОК PK-A 32x25
23		1PN010000-0012	SU PÜSKÜRTME WATER SPRAY РАСПЫЛИТЕЛЬ ВОДЫ
24		1EL090000-0500	JOİSTİCK SAPI JOYSTICK ARM РУЧКА РЫЧАГА УПРАВЛЕНИЯ

25		1EL070004-0010	<p>MOTOR 2,2Kw 12000  MOTOR 2.2Kw 12000  МОТОР 2,2кВт 12000</p>
26		1EL020000-0005	<p>SWITCH  SWITCH  ПЕРЕКЛЮЧАТЕЛЬ</p>
27		1SK050000-0025	<p>Ø8.0*50 L120-8 Z1 KARBÜR FLEX-TEK AĞIZLI  Ø8.0*50 L120-8 Z1 CARBIDE FLEX- SINGLE PORT  Ø8.0*50 L120-8 Z1 КАРБИДНЫЙ ГИБКИЙ  НАКОНЕЧНИК-ОДНОФОРСУНОЧНЫЙ</p>



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  - 1.1. Introduction
  - 1.2. Service Information
- 2. Safety**
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  - 2.3. General Safety Information
- 3. Machine's Description**
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  - 7.1 Preparation
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- 8. Maintenance, Service and Repair**
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  - 8.2 Changing the cutting tool
  - 8.3 Adjust the air pressure (pneumatic systems)
- 9. Warranty conditions**

## 1. GENERAL INFORMATION

### 1.1. Introduction

The user's manual given by the manufacturer contains necessary information about the machine parts. Each machine operator should read these instructions carefully, and the machine should be operated after fully understanding them.

Safe and efficient use of the machine for long term depends on understanding and following the instructions contained in this manual. The technical drawings and details contained in this manual constitute a guide for the operator.

### 1.2. Service Information

In case of any technical problem please contact your nearest YILMAZ dealer, or YILMAZ head office through the above mentioned phone, fax or e-mail address.

Technical labels with the model description of the machine are fixed onto the front side of each machine.

The machine's serial number and manufacturing year are stipulated on the technical label.

**Average life usage of production is 10 years. If you have any further failure and complaint, please inform to our below mentioned technical service by verbal or written**

### **AUTHORIZED TECHNICAL SERVICE CENTER ADDRESS**

Taşdelen Mah. Atabey Cad. No:9 Taşdelen 34788 Çekmeköy – İSTANBUL / TÜRKİYE

**Tel** 0216 312 28 28 Pbx.

**Fax** 0216 484 42 88

**E-mail** service@yilmazmachine.com.tr













**Web** www.yilmazmachine.com.tr

For minimize the documantation, It is wery necessary to mention below details at the agreements signed with suppliers and dealers of the purchased machines

- |                                    |  |
|------------------------------------|--|
| • Machine model                    | • Voltage and frequency                      |
| • Machine's serial number          | • Date of purchase                           |
| • Description of the machine fault | • Name of dealer where machine was purchased |
| • Average daily operation period   |  |

## 2. SAFETY

### 2.1. Safety Symbols and Their Meanings

	Read the user guide		Ensure safe working position, always keep your balance.
	Wear ear protectors		Elektrical excitation
	Wear safety goggles		Don't place your hands between parts in motion..
	If the power cable should be damaged during operation, don't touch and unplug it. Never use damaged power cables.		High temperature warning
	During saw blade change operations, use protective gloves		Keep your fingers clear of the movable parts of the glide arm.
	The above symbol <b>DANGER WARNING</b> , warns you against specific dangers, and you have definitely to read them..		The <b>IMPORTANT</b> symbol above is one telling to apply special care and to be careful at carrying out the specified operation

## **2.2. Accidents Prevention**

- 2.2.1 Our machines are manufactured in accordance with CE safety directives, which cover national and international safety directives.
- 2.2.2 It is the task of the employer to warn his staff against accident risks, to train them on prevention of accidents, to provide for necessary safety equipment and devices for the operator's safety.
- 2.2.3 It is the task of the employer to warn his staff against accident risks, to train them on prevention of accidents, to provide for necessary safety equipment and devices for the operator's safety.
- 2.2.4 Machine should be operated only by staff members, who have read and understood the contents of this manual.
- 2.2.5 All directives, recommendations and general safety rules contained in this manual have to be observed fully. The machine cannot be operated in any way for purposes other than those described herein. Otherwise, the manufacturer shall not be deemed responsible for any damages or injuries. And such circumstances would lead to the termination of the warranty

## **2.3. General Safety Information**

- 2.3.1 The power cable should be led in such a way that nobody can step on it or nothing can be placed on it. Special care has to be taken regarding the inlet and outlet sockets
- 2.3.2 Don't overload machines for drilling and cutting. Your machine will operate more safely with power supply in accordance with the stipulated values.
- 2.3.3 Use correct illumination for the safety of the operator. (ISO 8995-89 Standard The lighting of indoor work system)
- 2.3.4 Do not leave any things on the machine.

- 2.3.5 Don't use any materials other than those recommended by the manufacturer for cutting operations on the machine.
- 2.3.6 Ensure that the work piece is clamped appropriately by the machine's clamp or vice
- 2.3.7 Ensure safe working position, always keep your balance.
- 2.3.8 Keep your machine always clean for safe operation. Follow the instructions at maintenance and replacement of accessories. Check the plug and cable regularly. If damaged, let it replace by a qualified electrician. Keep handles and grips free of any oil and grease.
- 2.3.9 Unplug first, before conducting and maintenance works.
- 2.3.10 Ensure that any keys or adjustment tools have been removed before operating the machine..
- 2.3.11 If you are required to operate the machine outside, use only appropriate extension cables.
- 2.3.12 Repairs should be carried out by qualified technicians only. Otherwise, accidents may occur.
- 2.3.13 Before starting a new operation, check the appropriate function of protective devices and tools, ensure that they work properly. All conditions have to be fulfilled in order to ensure proper operation of your machine. Damaged protective parts and equipment have to be replaced or repaired properly (by the manufacturer or dealer).
- 2.3.14 Don't use machines with improper functioning buttons and switches
- 2.3.15 Don't keep flammable, combustive liquids and materials next to the machine and electric connections.

### 3. MACHINE'S DESCRIPTION

Copy router machines designed to open lock, handle, hinge and window fastening slots onto PVC and Aluminum profiles.

- Channels in different dimensions can be opened independently from copying.
- Pneumatic clamps.
- Pneumatic braking
- Pneumatic table positioning.

<b><u>STANDARD ACCESSORIES</u></b>	<b><u>OPTIONAL ACCESSORIES</u></b>
Mill Tip (Ø8mm Special 120mm)	Mill Tip (Ø8mm Special 120mm)
Air Gun	Digital Angle Measuring System
Profile Support (Right- Left Conveyor)	Clipper (5)
User's instruction manual	Clipper (8)
Service tool (24 mm)	Clipper (10)
Clipper tool	Special patterns
Cooling system	
Copying pattern	
LED lighting system	

### 4. TRANSPORT OF THE MACHINE

**IMPORTANT**

4.1. The transport should be done by qualified personnel only.

4.2. The machine should be transported by lifting with proper equipment (not touching the ground during the transport).

4.3. Unless customer requests the contrary, the machine will be delivered with wooden packaging.

4.4. Movable parts on the machine should be fixed before carrying out the transport.

4.5. The machine size and weight measurements, given the technical specification sheet.

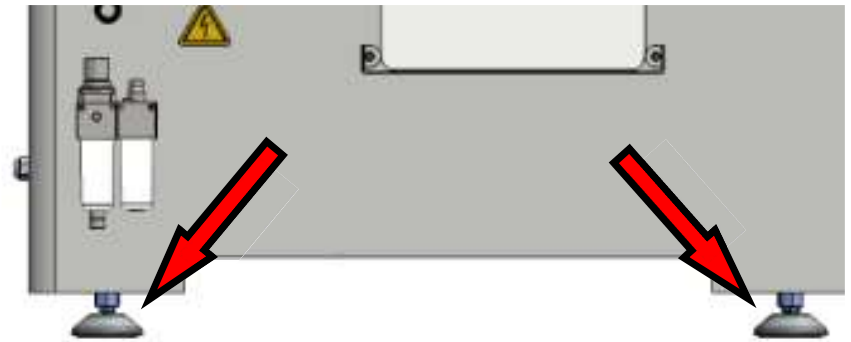
## 5. INSTALLATION OF THE MACHINE

### 5.1 Preparation

5.1.1 The machine size and weight measurements, given the technical specification sheet. The ground, where the machine will be placed, should be even, solid enough to bear the weight of the machine.

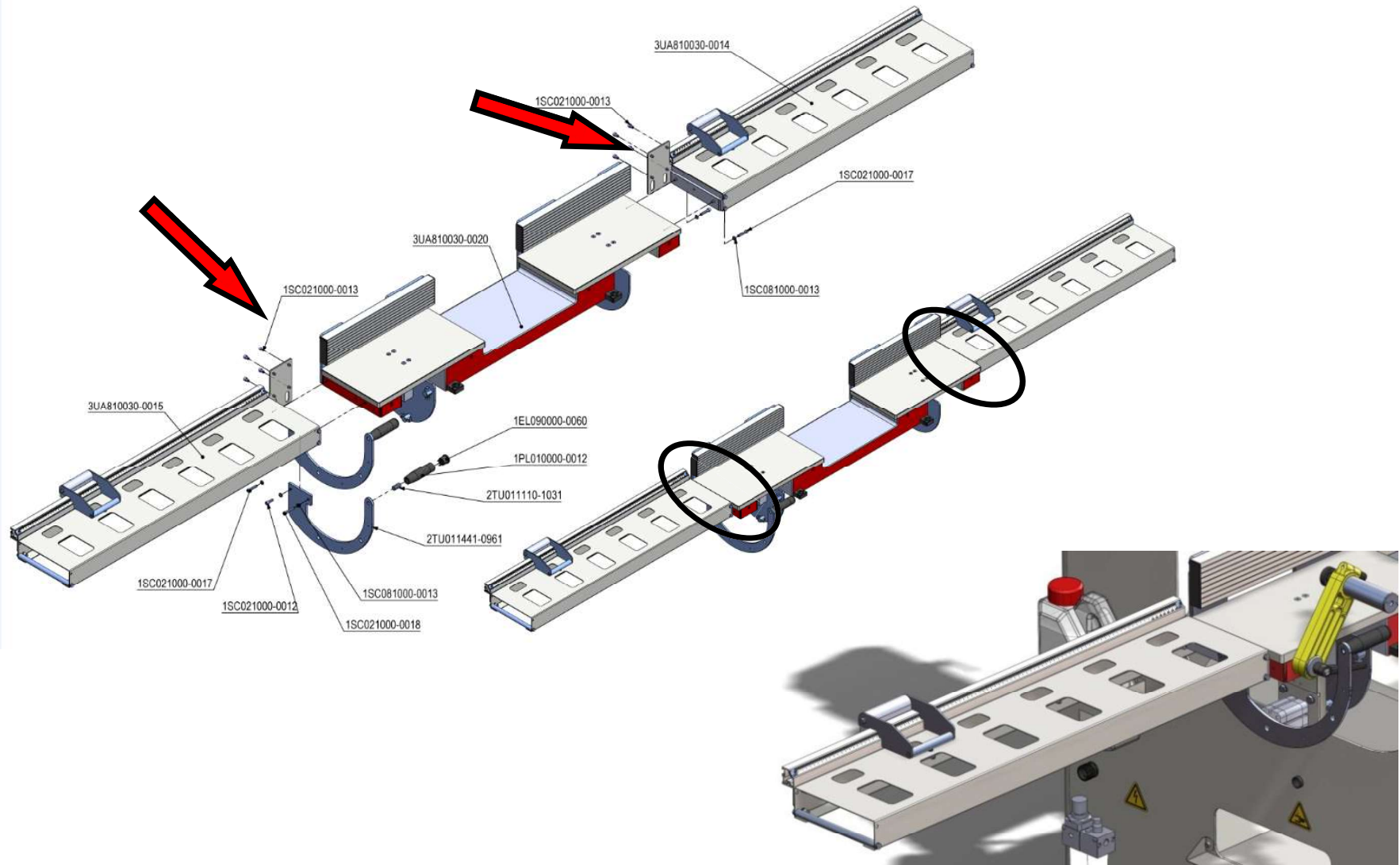
5.1.2 The machine should be located approx. 50 cm away from the rear wall. The power connection plug of the machine is located on the rear side of the machine.

5.1.3 You can provide the balance of the machine with adjustable counterforts in the bottom part.



5.1.4 Profile fitting parts (FIGURE 6-7) are delivered disassembled. Assemble profile fitting parts on the Table (3UA810030-0020) as it is seen in the figure.





## 5.2 Connecting to Power Source

5.2.1 Electrical connection must be made by a licensed electrician

5.2.2 The power outlet socket on the machine should be available.

5.2.3 Plug the machine to a grounded socket.



5.2.4 Check the supply voltage. **The source voltage must be in accordance with the data on the machine's label.**

5.2.5 After electrical connection is made, machine must be operated in idle running and it must be controlled whether rotation directions of cutting tools are correct or not and if the rotation direction is wrong, appropriate connection must be made.

## 6. MACHINE'S SAFETY INFORMATION

6.1 Lifting, installation, electric maintenance of the machine should be carried out by qualified personnel only.

6.2 Routine maintenance and scheduled maintenance should be carried out by qualified personnel after unplugging the machine first.

6.3 Ensure that the machine has been cleaned, tested and maintained before starting to operate it.

6.4 Check the safety devices, power cable and moving parts regularly. Don't operate the machine before having replaced defective safety devices or faulty parts.

6.5 Never replace the cutting tools before unplugging first.

6.6 Keep foreign materials away from the working area of the machine, keep away from the machine's moving parts.

6.7 Do not work on the machine by removing the protective parts



The safety data have been defined above. In order to prevent physical damage or damage to the equipment, please read the safety information carefully and keep the manual always in an easy accessible place.

## 7. OPERATION

### 7.1 Preparation

7.1.1 Degrease and dry the machine table. Especially ensure that the holding grips and handles are clean and dry

7.1.2 Clean all surfaces of the machine from chip and foreign particles. Use eye glasses for protection.

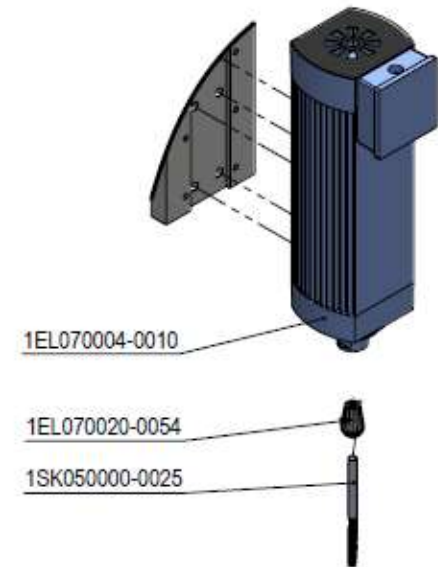
7.1.3 Copy router machines can process on products manufactured from rigid plastic and aluminum materials that don't include iron alloy.

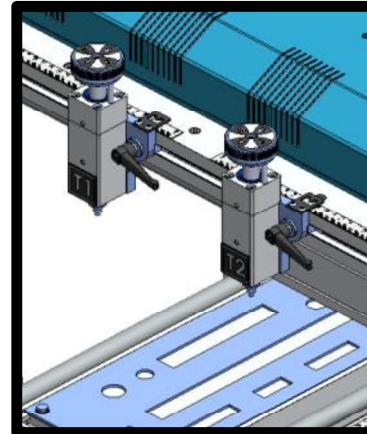
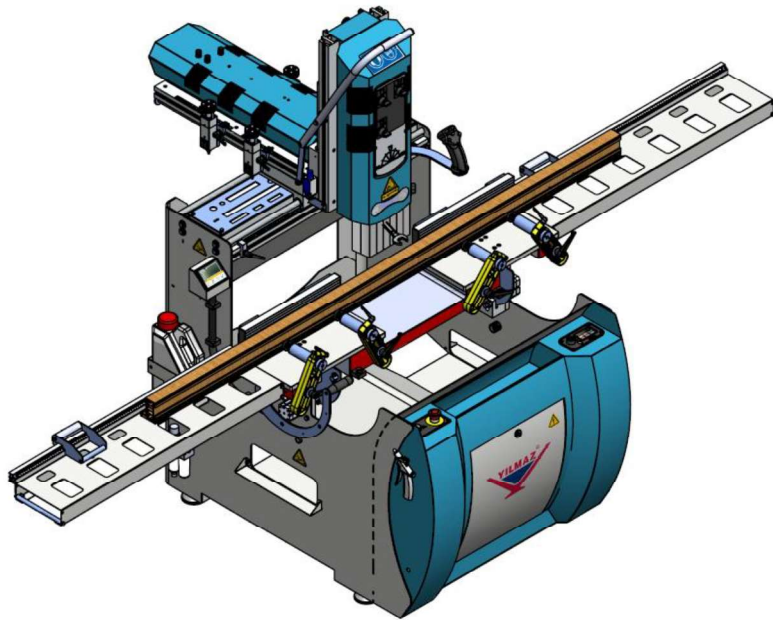
7.1.4 Control whether cutting tools (FIGURE 2 NO.78) are inserted safely to their places.

7.1.5 Control cutting tools against corrosion, distortion and fractions. If cutting tools are damaged, change them.

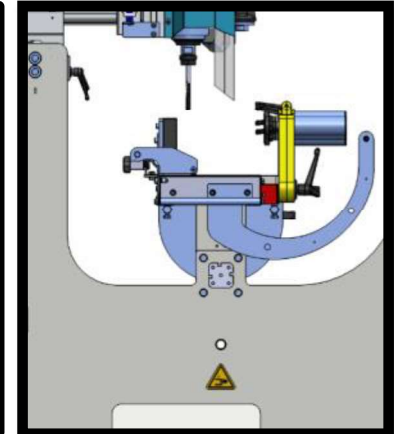
7.1.6 Cutting tool must process on the part after machine is operated and cycled.

7.1.7 **Do not process the profile before clamping the work piece properly.**

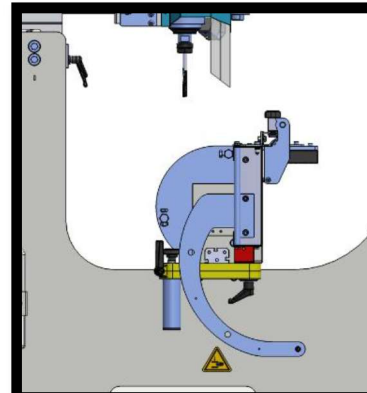




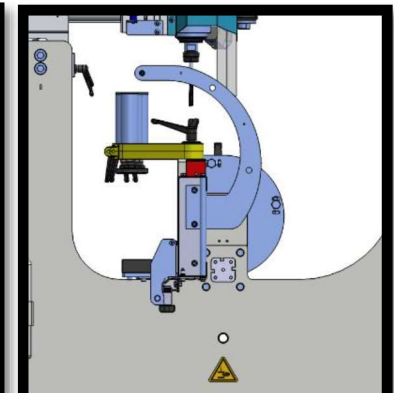
**FOLLOWING PINS**



**0° ROTATING TABLE**



**-90° ROTATING TABLE**



**+90° ROTATING TABLE**

## 7.2 Operation

7.2.1 Place PVC or aluminum profile that you are going to process on to the table (FIGURE 3 NO.88). Fix it with clamps (FIGURE 3 NO.24) on the table.

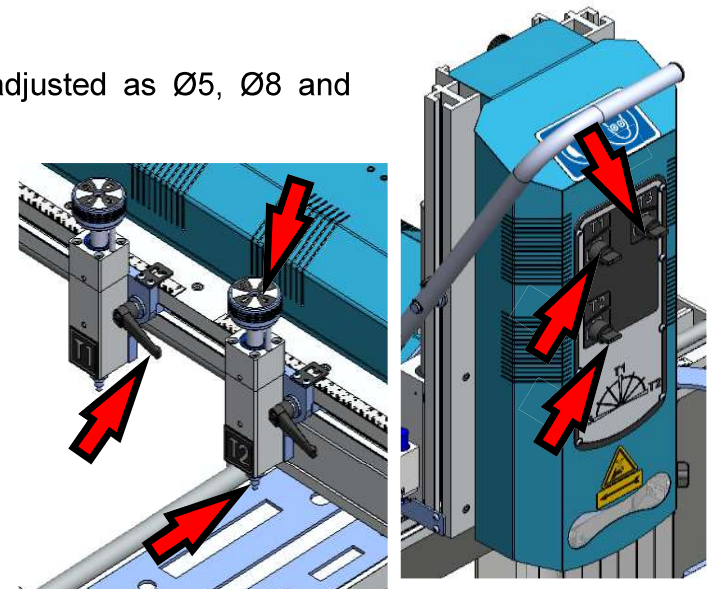
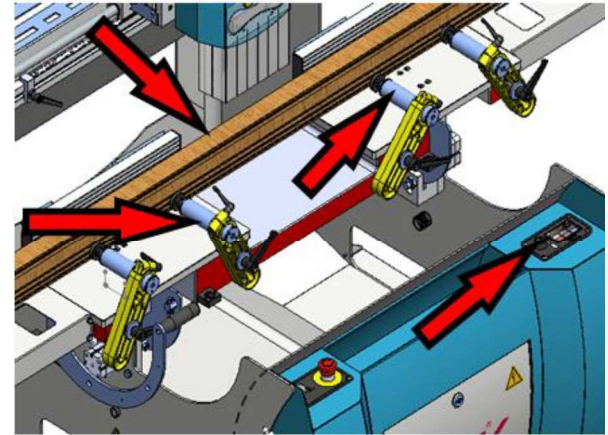
7.2.2 The forward/ backward and upward/ downward position of the clamps can be adjusted by special squeezing tools (FIGURE 3 NO.3UA040030-0002). The control of pneumatic clamp is provided by the button on the chassis

7.2.3 Mark the locations of lock, door handle, hinge etc on the pattern (FIGURE 2 NO.2TU011441-0965) which is over the machine. Place automatically the spring pin (FIGURE 2 NO.3UA810030-0017) to the hole to be processed on the pattern by rotating the related button (**T1 – T2 – T3**).

7.2.4 By rotating the head to right and/or left, spring pin can be adjusted as  $\varnothing 5$ ,  $\varnothing 8$  and  $\varnothing 10$ mm follower pin (FIGURE 4 NO.2TU011210-1007).

7.2.5 Forward and backward motion of spring system (FIGURE 2 NO.3UA810030-0017) can be adjusted by special squeezing part (FIGURE 4-5 NO. 3UA040030-0003).

7.2.6 Enable Turn the system start switch to “ON” position.



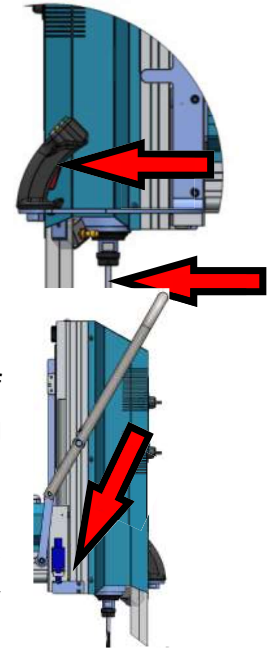
7.2.7 Run the engine and rotate the cutting tool (FIGURE 8 NO.0KT010200-1611) by pressing the button marked in (FIGURE 2 NO.1EL090000-0500) continuously.

7.2.8 By the help of joystick arm (FIGURE 2 NO.1EL090000-0500) on the head, move the head and execute a process on profile. In order to reach requested depth, use up and down motion control arm (FIGURE 2 NO.2TU011510-0081).



7.2.9 When the button on the joystick arm is pressed, cooling water is sprayed from the valve which is shown right. Spraying is stopped by pressing the same button again. If wanted, the amount of spray is adjusted by using the turning bar on the valve.

7.2.10 In order to down the arm, brake should be released by pressing on the button over the arm. For security reasons, cutting tool does not operate when arm is most upward position.

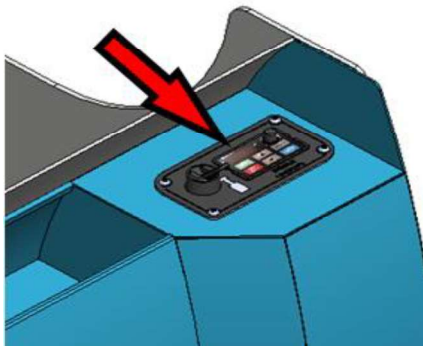


7.2.11 Remove the suspension pin from the socket on the template in order to process free from the template.

7.2.12 You can adjust the movement area of the head with locking parts (FIGURE 2 NO.2TU012210-1258-3UA040030-0008) when making free processes.

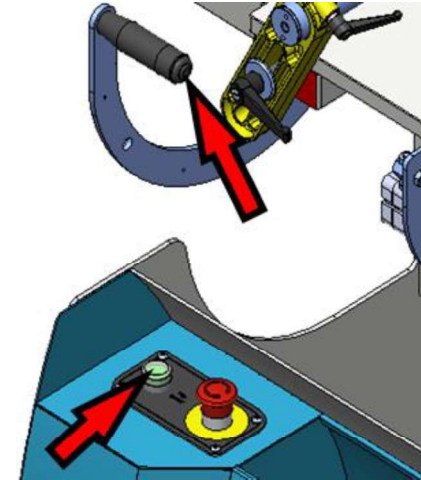
7.2.13 Leave the button after the process finishes. Cutting tool stops after rotating nearly 10 seconds out of gear.

7.2.14 Table is able to rotate when right and left hand buttons are pressed simultaneously. It is not allowed to rotate table by pressing only one button. After rotating the table, be sure that support pin (FIGURE 8 NO.2TU014010-0233) is in forward position.



7.2.15 Temperature can be seen easily on the digital display. Temperature can be adjusted by using the button shown in Figure.

7.2.16 Remove the part by opening the clamps.



## 8 MAINTENANCE, SERVICE AND REPAIR

### 8.1 Maintenance

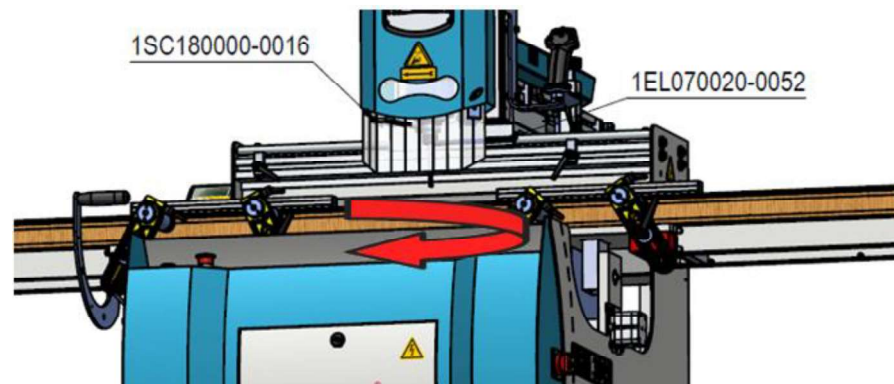
- 8.1.1 Cut the electric and pneumatic (if any) power connections of the machine.
- 8.1.2 Clean all surfaces of the machine from burs, chips and foreign substances. If the machine will not be used for a long time, lubricate undyed parts with oil that prevents rusting.
- 8.1.3 When cleaning the machine, do not use materials that may damage the dye.
- 8.1.4 Control cutting tools against corrosion, distortion and fractions. If cutting tools are damaged, change them.

8.1.5 Before using cutting tool, operate the machine out of gear and control whether it is inserted correctly, it is without flexure and it is inserted appropriately. Do not use cutting tools that are damaged or lost its functionality.

## 8.2 Changing the cutting tool

8.2.1 Cut the electric connection of the machine.

8.2.2 Clipper tool supplied with machine (NO.0KT050000-0500) by turning it counter clockwise with the help of 24 (NO.0FS020000-0224) wrenches that are given with the machine. Remove cutting tool (FIGURE 8 NO. 0KT050000-0514) from retainer pliers. Tighten the pliers nut by inserting the new cutting tool to the pliers socket and making the opposite of the processes made in the removal.

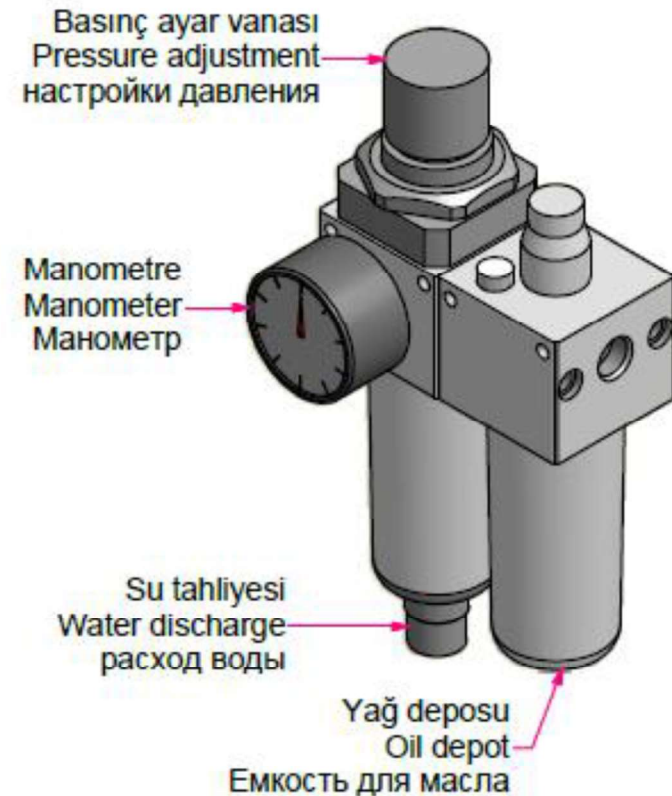


8.2.3 Before using cutting tool, operate the machine out of gear and control whether it is inserted correctly, it is without flexure and it is inserted appropriately. Do not use cutting tools that are damaged or lost its functionality.



### 8.3 Adjust the air pressure (pneumatic systems)

- 8.3.1 Pull up pressure adjustment valve. Set adjustment valve to the desired value on manometer by turning it clockwise or counter clockwise. Then lock the valve by pressing it down.
- 8.3.2 Set the air pressure between 6 and 8 BAR. If air pressure drops below the stated values, accessories operating with pneumatic power do not work.
- 8.3.3 Conditioner unit accumulates the water in the air in the collection container so that it won't damage pneumatic components. At the end of the working day, empty the accumulated water by opening water discharge valve under the collection container.
- 8.3.4 In order to put oil to the oil tank, remove the reservoir by turning. Oils recommended by the manufacturer are; TELLUS C10 / BP ENERGOL HLP 10 / MOBIL DTE LIGHT / PETROL OFİSİ SPINDURA 10.



## **9. WARRANTY CONDITIONS**

YILMAZ Machine Industry and Trade Limited Company, guarantees that all machines have been tested and conform to the international standards.

The guarantee is valid 24 months from despatch date and does not cover the electrical parts of the machine.

During this period:

- Any repair and replacement effected at our workshop is completely free of charge (only transport costs are at customer's charge).
- For repair and replacement effected by our technician at the customer's site, we will invoice only the travel and lodging costs for our technician.

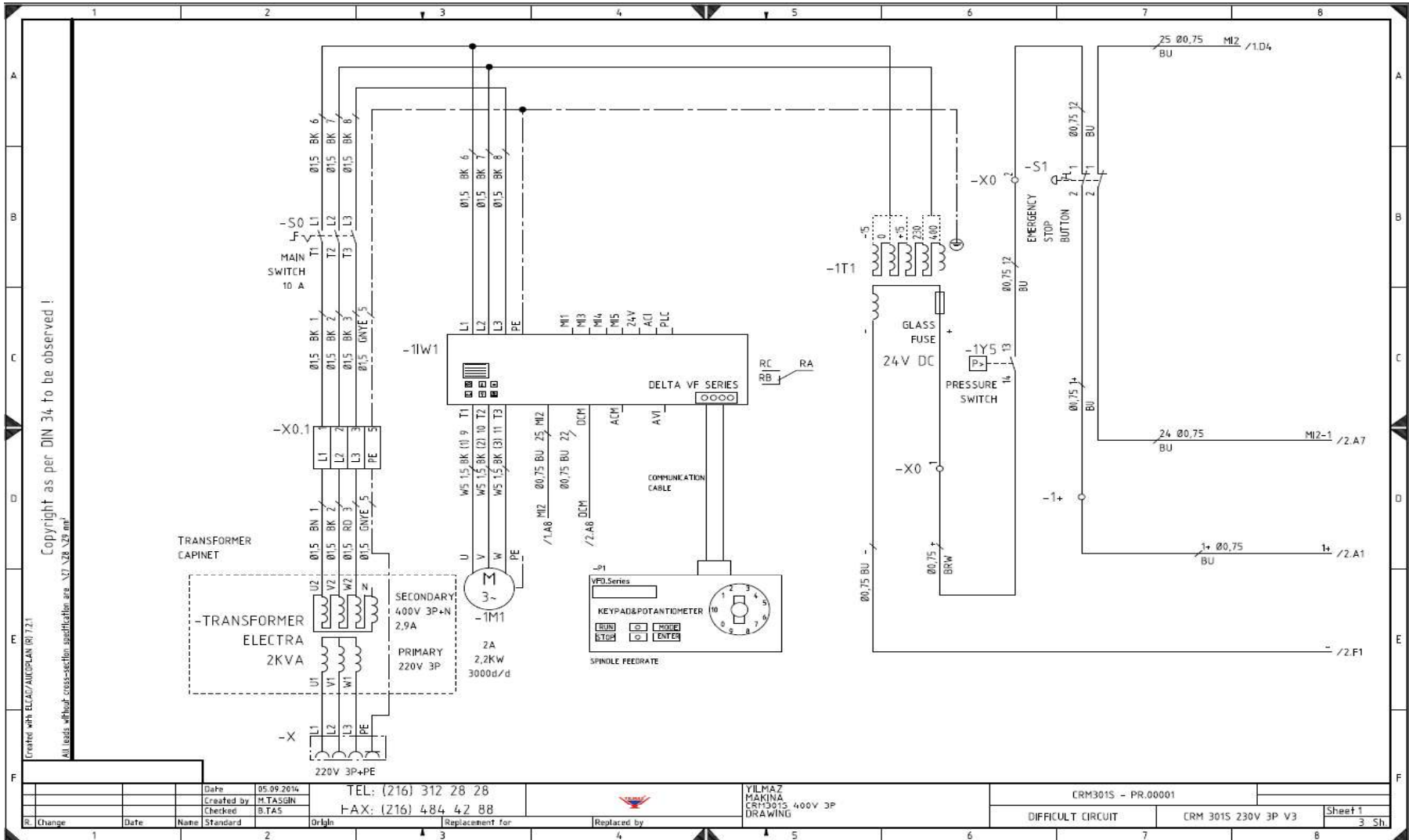
The guarantee does not cover damages caused by:

- not respect of the rules indicated in the manual instruction book
- not correct voltage
- improper use or use not in accordance with what the Machine has been designed for
- use of non original tooling
- programming errors
- lack of cleaning and of ordinary maintenance by the customer
- transport or displacement (even inside the workshop)
- natural events (lightings, fires, floods)

The warranty does not cover, in any case, damages caused by the malfunction of the Machine

# ELECTRIC&PNEUMATIC DIAGRAM





CRM 301 230V 3 PHASE ELECTRICAL DIAGRAM(POWER) SHEET 1



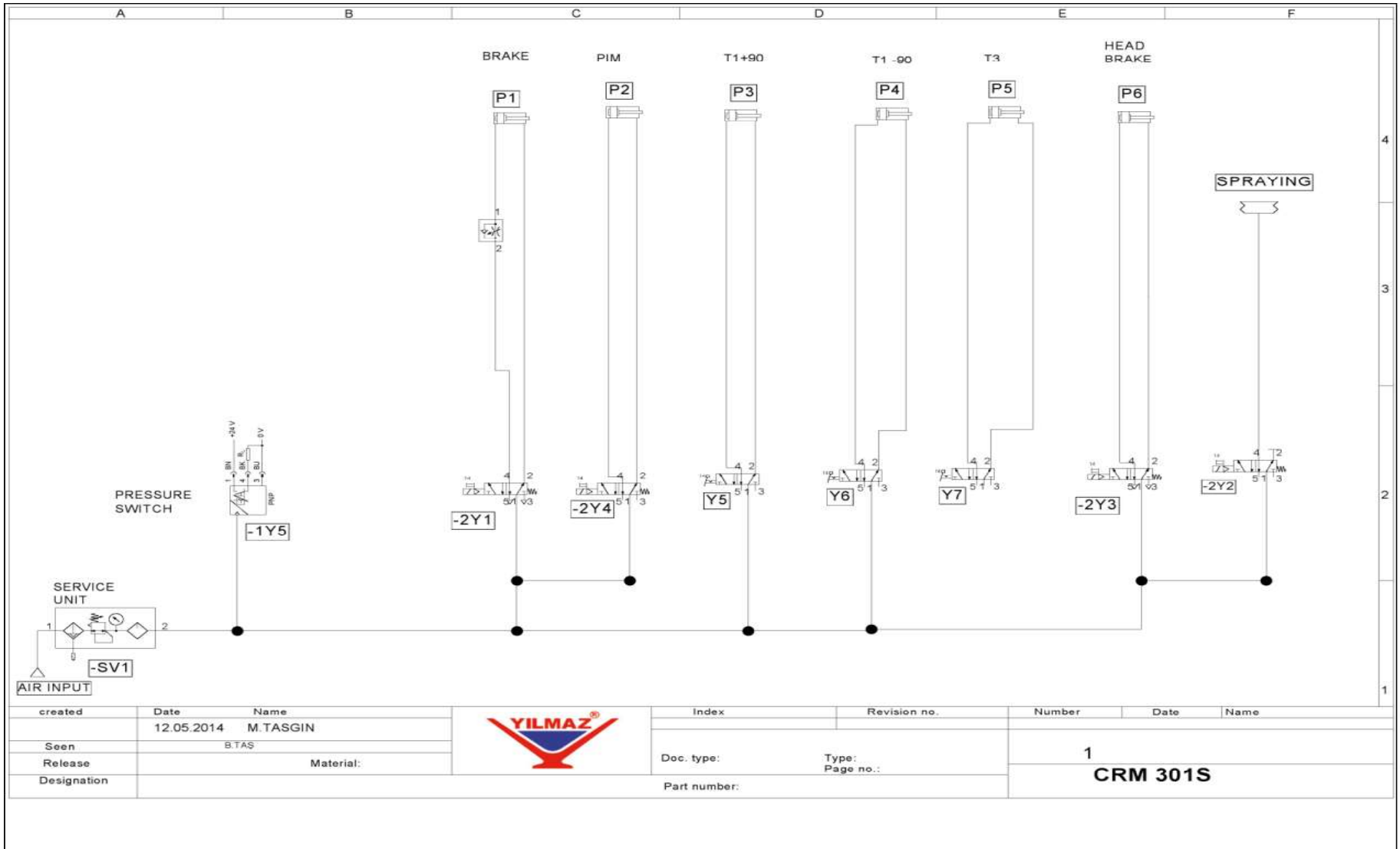
## INVERTER PARAMETER SETTINGS

PARAMETER	FUNCTION	CRM MACHINE SPECIAL SETTINGS	FABRIKA AYARLARI FACTORY SETTINGS
00-02	RETURN TO FACTORY SETTINGS FABRIKA AYARLARINA DÖNÜS	10	0
01-00	MAXIMUM OUTPUT FREQUENCY MAKSIMUM ÇIKIS FREKANSI	200.0	60.00
01-01	MAXIMUM VOLTAGE FREQUENCY MAKSIMUM VOLTAJ FREKANSI	200.0	60.00
01-02	MAXIMUM OUTPUT VOLTAGE MAKSIMUM ÇIKIS VOLTAJI	380	220-440
01-09	ACCELERATION TIME HIZLANMA ZAMANI	5.0	10.0
01-10	DECELERATION TIME-1 YAVASLAMA ZAMANI-1	5.0	10.0
07-00	MOTOR CURRENT RATE MOTOR AKIM ORANI	5.8	FLA
04-00	KEYPAD POTANSİYOMETRE EGIMI	33.4	0.0
00-05	USER DEFINED COEFFICIENT K KULLANICI TANIMLI K KATSAYISI	60.0	1
00-03	START-UP DISPLAY SELECTION SURUCU BASLANGIC DISPLAY SECENEGI	3	0
09-01	TRANSMISSION SPEED ILETISIM HIZI	2	1
09-04	COMMUNICATION PROTOCOL HABERLESME PROTOKOLU	3	0
02-00	SOURCE OF FIRST MASTER FREQUENCY COMMAND BIRINCI ANA FREKANS KOMUT KAYNAGI	4	1
04-02	KEYPAD POTANSİYOMETRE GAIN KEYPAD POTANSİYOMETRE KAZANCI	75.5	100.0
00-02	ALL PARAMETERS ARE READ ONLY TUM PARAMETRELER SADECE OKUNABILIR	1	0

Created with ELECAD/AUTOCAD (R) 7.2.1  
 All leads without cross-section specification are VZ1, VZ8, VZ9 mm²  
 Copyright as per DIN 34 to be observed !

R. Change		Date	Name	Standard	Origin	Replacement for	Replaced by	YILMAZ MAKINA CRM301S, 400V 3P DRAWING		CRM301S - PR.00001	Sheet 3 3 Sh.	

## CRM 301 400V 3 PHASE ELECTRICAL DIAGRAM SHEET 3



CRM 301S PNEUMATIC DIAGRAM SHEET 1