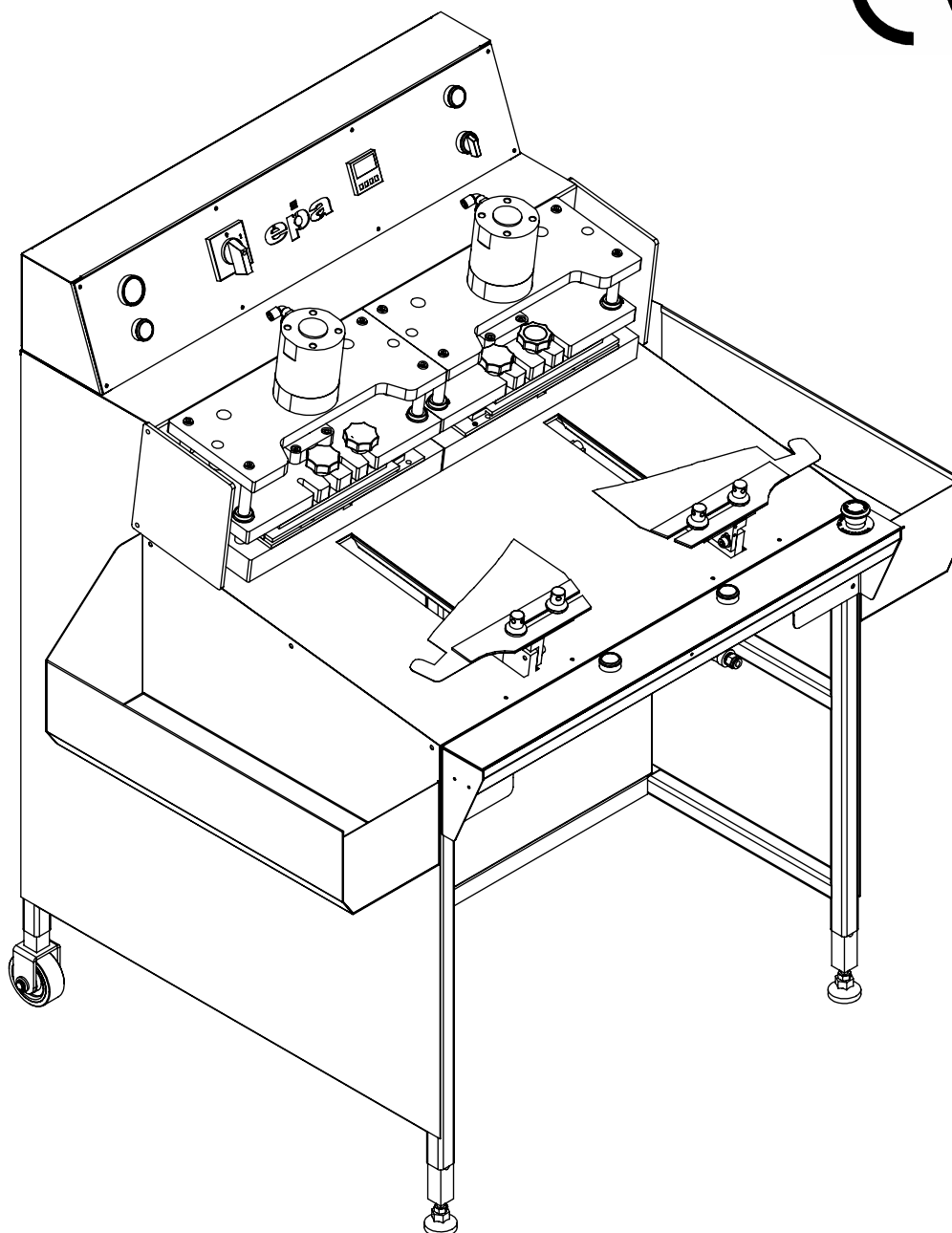


EPA 305 COLLAR FORMING PRESS MACHINE



MOD : EPA 305



QA-AC-1349/13

QA TECHNIC – UYGUNLUK ONAYI
QA TECHNIC – ATTESTATION OF CONFORMITY

MAKİNA EMNİYETİ YÖNETMELİĞİ (2006/42/AT)
MACHINERY DIRECTIVE (2006/42/EC)

EPA TEKNOLOJİ VE OTOMASYON MAKİNALARI SAN. TİC. LTD. ŞTİ.
BAĞLAR M. OSMANPAŞA CD. NO:59/5 BAĞCILAR
İSTANBUL/TÜRKİYE

Ürünün Tanımı
Description of the Product/Product Part

: GÖMLEK ÖN PART MAKİNASI
SHIRT FRONT PART MACHINE

Markası
Trade Marks

: EPA AKIN

Model/Tip
Model/Type

: EPA SERİSİ

Uygulanabilir AT Direktifi
Applicable EC Directives

: 2006/42/AT
2006/42/EC

Uygulanabilir Harmonize Standardlar
Uygulanabilir Ulusal Standardlar
Ve Teknik Spesifikasyonlar
Applicable Harmonized Standards/

: TS EN 60204-1

Rapor No & Rapor Tarihi
Report No & Report Date

: M-LVD-713/13, 04.11.2013

İşbu belge incelemesi yapılan ürün tasarımı için geçerlidir. Ürünün değiştirilmesi halinde bu belge geçerliliğini kaybedecektir.
The Present certificate is valid just for the analysed product design. The certificate shall lose its validity in case of any changes in the product.

Sertifika Yayın Tarihi : 12.11.2021
Certificate Issue Date
Geçerlilik Tarihi : 12.11.2024.
Validity Date



ALBERK QA ULUSLARARASI TEKNİK
KONTROL VE BELGELENDİRME A.Ş.
BARBAROS MAH. AK ZAMBAK SOK.
A BLOK KAT.19 No:2 ATASEHIR
İSTANBUL / TÜRKİYE
Tel : 0216 572 49 10-11-12
Fax : 0216 572 49 14
www.qatechnic.com



L. Murat YILMAZ
Genel Müdür / General Manager

EC Declaration of Conformity

We EPA TEKNOLOJİ VE OTOMASYON MAKİNALARI SAN. TİC.LTD. ŞTİ.

Of Tevfikbey Mah.Tahsin Tekoğlu Cad.No.16 Sefaköy 34295 KUCUKCEKMECE/ISTANBUL/TURKEY

in accordance with the following Directive(s):

2006/42/AT
2006/42/EC
2006/95/EC
2004/108/EC



Hereby declare that:

Equipment: SHIRT PRESSING AUTOMATIONS

Model number: EPA 205 SHIRT FRONT PLACKET PRESSING & CREASING MACHINE
EPA 203 PRESSING MACHINE FOR SLEEVE PLACKETS
EPA 203M PRESSING MACHINE FOR CUFF
EPA 305 COLLAR FORMING PRESS
EPA 405 CUFF FORMING MACHINE
EPA 152-00 COLLAR FORMING&FINISHING MACHINE
EPA 152-01 COLLAR FORMING&FINISHING MACHINE - DOUBLE HEAD
EPA 207 SHIRT POCKET PRESSING MACHINE
EPA 201 JEAN POCKET PRESSING MACHINE
EPA 202 SHIRT POCKET PRESSING MACHINE
EPA K-07 SHIRT FOLDING MACHINE - AUTOMATIC
EPA K-08 SHIRT FOLDING MACHINE - MANUEL
EPA 150 SPOT STICKING MACHINE
EPA ACE 900 BODY PRESS)
EPA 503 THREE POINTS MARKING MACHINE
EPA 720 SHIRT SIDE SEAM PRESSING MACHINE

is in conformity with the applicable requirements of the following documents

Ref. No. Title Edition/date : M-LVD-713/13, 04.11.2013

EC Directive of Elektromagnetic Compatibility (89/336/EEC)

EC Low Voltage Directive (73/23/EEC)

Applicable harmonized Standards : TS EN 60204-1

TS EN 60204-01

TS EN60204-31:1998/AC:2000

We hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.

Signed by:

**EPA TEKNOLOJİ ve OTOMASYON
MAKİNALARI SAN. TİC. LTD. ŞTİ.**

Name:

Tevfikbey Mah. Tahsin Tekoğlu Cad. No. 16 Sefaköy: 34295
Küçükçekmece/İST. /T.C. No: 6-2153-1134-6972340
Tel: 0836 336 056 1719 / Faks: 336 056 1719
Küçükçekmece Vergi Dairesi: 336 056 1719

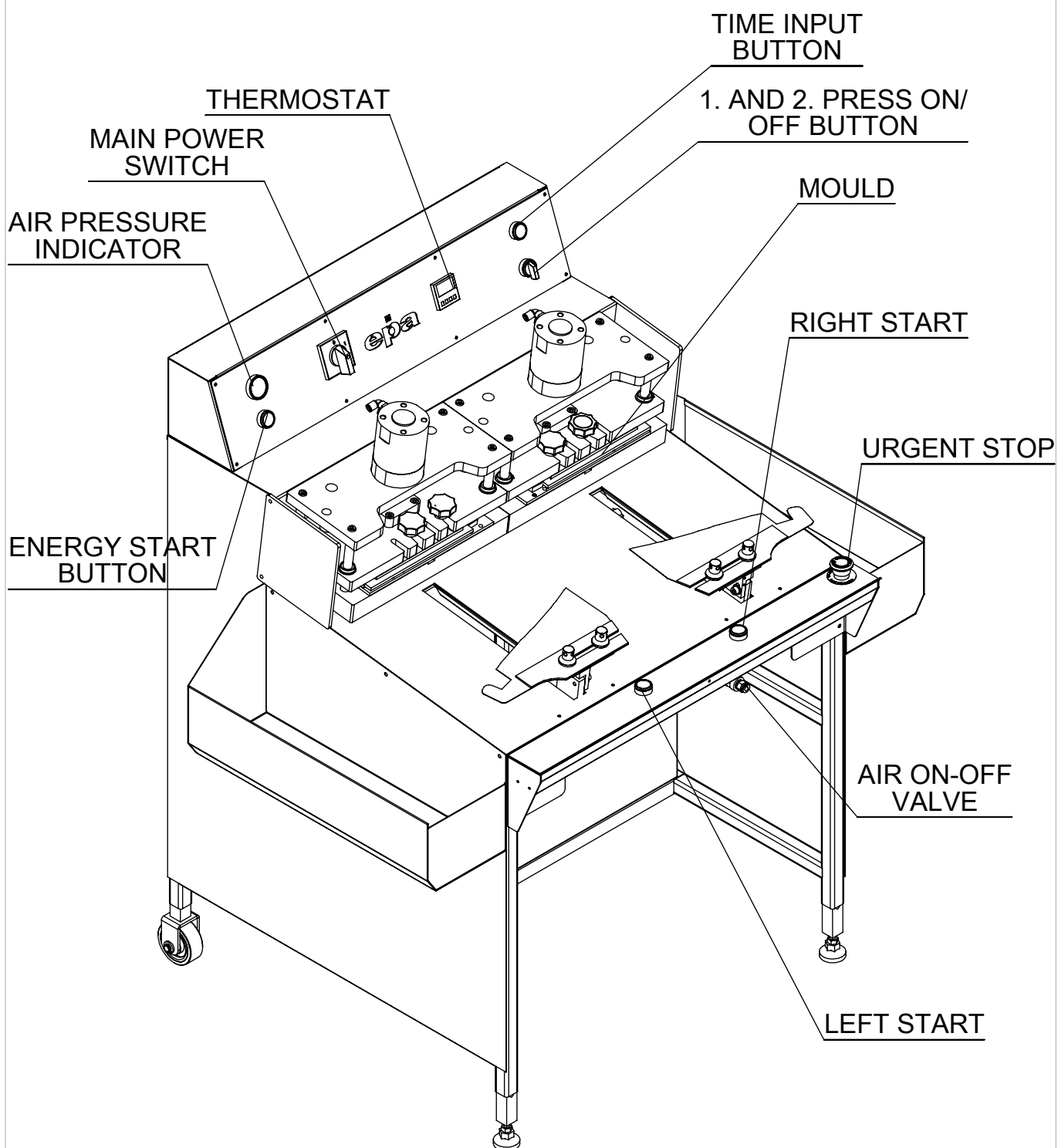
CONTENTS

LABEL INFROMATIONS	5
01-MACHINE CONTROLS.....	6
02-GENERAL FEATURES	7
A-CHARACTERISTICS AND OPERATION AREAS.....	7
03-SECURITY MEASURES.....	8
A-TRAINING.....	8
B-CONDITIONS THAT YOU NEED TO TURN OFF POWER OF EPA MACHINE.....	8
C-CONDITIONS THAT YOU NEED TO TAKE SECURITY MEASURES.....	9
04-EPA 205 TECHNICAL INFORMATIONS.....	10
05-LIFTING AND TRANSPORT	11
06-LOADING AND UNLOADING	11
07-INSTALLATION AND SET UP.....	12
08-ELECTRICAL CONNECTIONS.....	13
09-PNEUMATIC CONNECTIONS.....	14
10-OPERATING.....	15
11-TIME SETTINGS.....	17
Setting the 1. Pressing Time.....	17
Zeroizing the 1. Pressing Time	17
Setting the 2. Pressing Time.....	17
Zeroizing the 1. Pressing Time	18
12-MAINTENANCE.....	19
A-CHANGING GLAZE BREAKER.....	19
13-MALFUNCTIONS AND CAUSES.....	20
14-SPARE PART CHART.....	21

LABEL INFORMATIONS

MACHINE NAME	COLLAR FORMING PRESS MACHINE
TYPE	EPA-305
SERIAL NUMBER	
PRODUCTION DATE	
VOLTAGE	220 V
POWER	1,5 KW
WEIGHT	170 KG
OPERATION PRESSURE	4-6 Bar

01-MACHINE CONTROLS



01-GENERAL CHARACTERISTICS

A-CHARACTERISTICS AND OPERATION AREAS

EPA 305, collar forming press machine, it is only used at forming apparel just as shirt and blouse. In case of a false use other than stated at this handbook, happened to people or goods from accident and damages, producing company can not be held responsible. When EPA 305 was used properly, it performs a excellent fusing and gives form have preferred.

It runs with PLC system.

The operation of mould changing is so simple. It has an ergonomical characteristics so workers do not need to spend too much effort. Due to controlled heat system it is able to work on desired heat.

The machine is equipped with a pressing assembly which can reach temperatures exceeding 70°C during the pressing process. Pay more attention while touching these parts.

Before starting machine maintenance, part changing or adjustment please disconnect the machine from basic power supply source and compressed air source. Also wait for the areas involved in the pressing process to cool down.

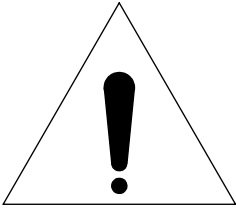
Do not use your machine in excessive dusty places.

Compressed air you have used, should be preserved from dry and unknown oils.

ATTENTION:

The machine must not be exposed to outdoor as rain, sun etc. !!!

03-SECURITY MEASURES



At place it has seen next figure, that means to endanger for health of user. Therefore while it is walked up, it is necessary more to be careful.

Firstly stop the power, if you need open control panel which contains electrical parts.

Before using the machine, please read manual instructions and other explanatory which is the part of machine accesories. Keep manual and explanatory documents as easy reference guide well.

To avoid death or injury, do not use your machine without instructions on your manual.

EPA company does not admit any responbility about accident or injuries comes out due to the machine have been used out of purpose of usage.

To avoid accidents cause to death and injuries, do not modify the machine. EPA company does not accept any responibilities about accident comes out due to the machine modifications.

A-TRAINING

Operators should be sufficiented regarding machine use. In order that conditions they need a training plan and train them prior.

B-CONDITIONS THAT YOU NEED TO TURN OFF POWER OF EPA MACHINE

If there is a anormal case, breakdown or power failure in order to protect against accidents caused to death or injuries, absolutely turn off the power.

Turn off power during it is turned into or adjusted parts of machine. During control, maintanance or while leaving next the machine, absolutely turn off the power.

Because of preventing electrical shock, earth fault or fire, do not hold the cable unplug from power point.

C-CONDITIONS THAT YOU NEED TO TAKE SECURITY MEASURES

After lifting the machine while you were replacing, it is necessary to consider weight of machine. For weight of machine, look over chapter "LABEL INFORMATIONS".

Before lifting or replacing the machine, in order to avoid injuries or led to death accidents, take essential security measures against drop or roll.

To avoid accidents cause to death or injuries, before opening the power, control that connector and cable non-damaged, whether loose or out cable.

Definitely do not put your hand to the machine which is in operation.

Do not touch to the parts in machine which have very high temperature.

While changing any parts of the machine, absolutely use original EPA parts. EPA is not responsible occurs from accidents in case of using unoriginal parts under no circumstance.

To avoid accidents originating from electrical shock or lack of information about machine, consult technicians of your company are trained by EPA.

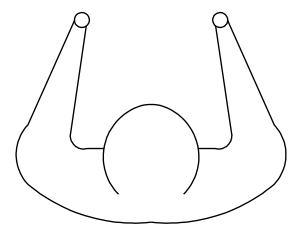
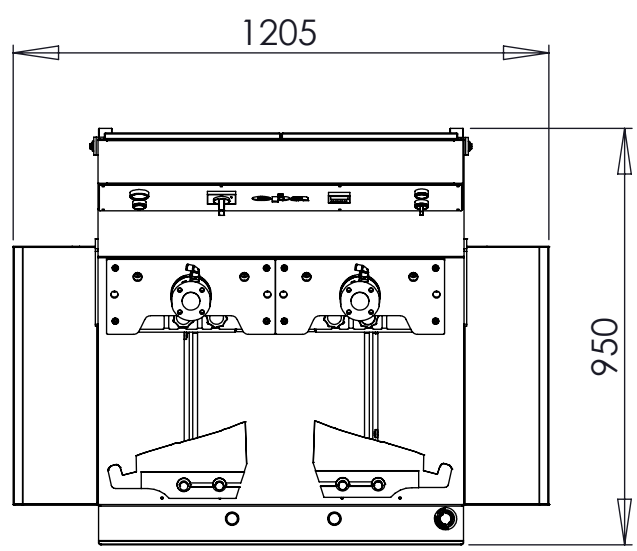
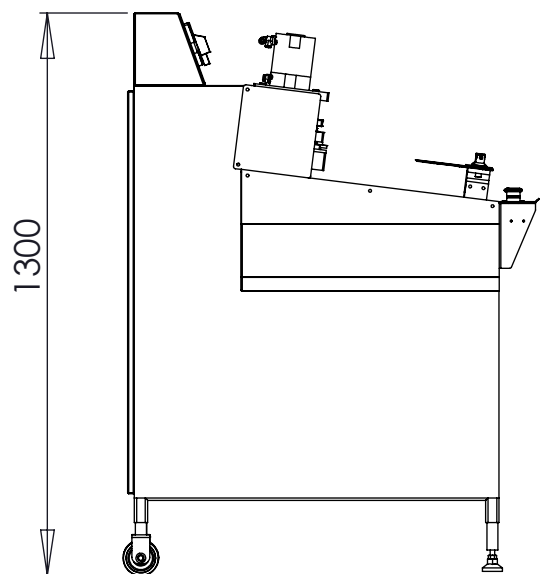
Before starting works as maintenance, part changing, adjustment quit the machine from main power source, compressed air sources and wait cooling of ironing parts.

Surely control whether there is a loose screw or loaf after maintenance, adjustment or changing.

Absolutely clean the machine regularly.

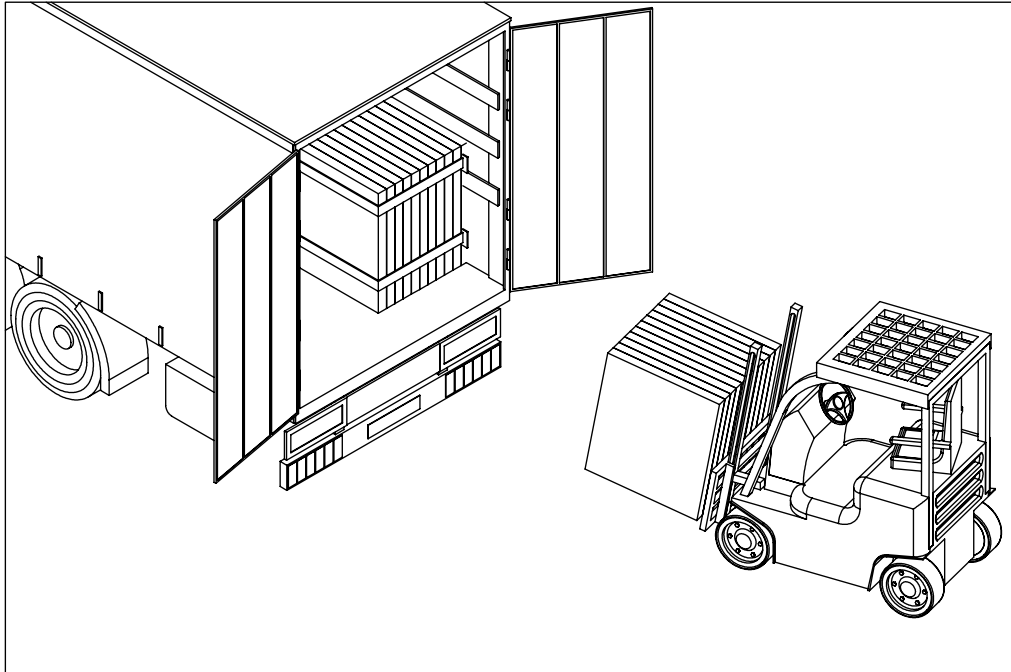
After maintenance if the machine still do not work properly, to avoid accidents cause to death or injury consult to EPA technical service urgently.

04-TECHNICAL INFORMATIONS



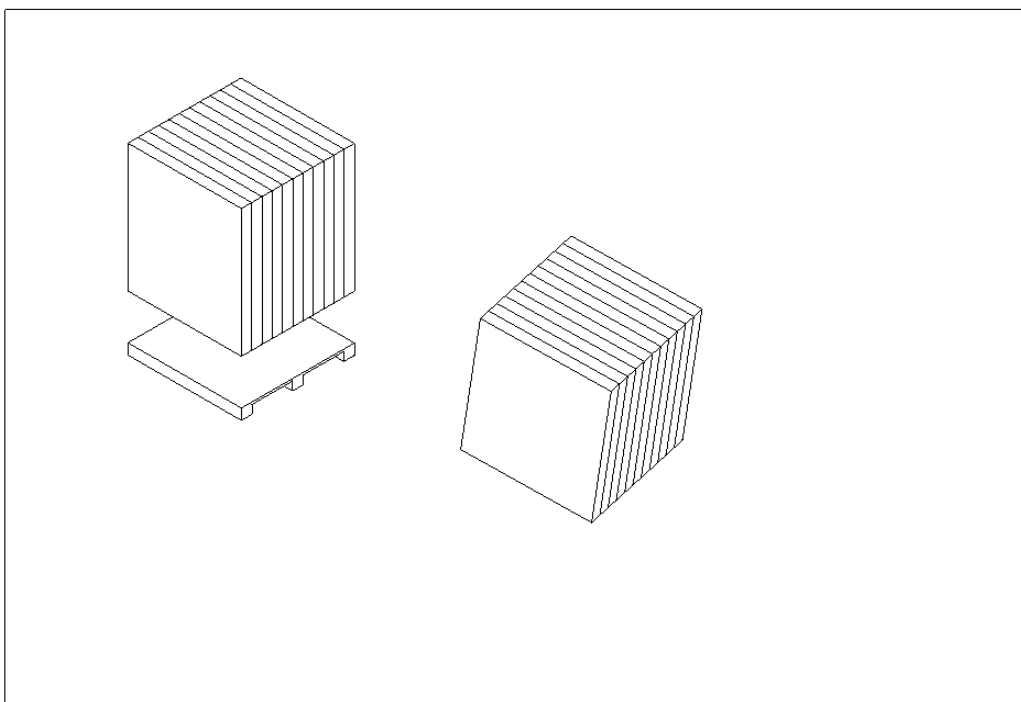
05-LIFTING AND TRANSPORT

EPA 305 is conveyable with packaged or not. In either case, ensure forks of fork-lift truck adjusted as to exact weight of the machine. While machine is moved with fork-lift truck, front face of machine turned to fork-lift truck pass forks under the machine. Place van or pick-up truck and bond belt or ropes.



06-LOADING AND UNLOADING

Ensure forks of fork-lift truck adjusted as to exact weight of the machine. Take out the package and lift front face of machine turned to fork-lift truck is passing forks under the machine. After placing it on a hard and plain surface not subject to any weather condition and then move it.



07-INSTALLATION AND SET UP

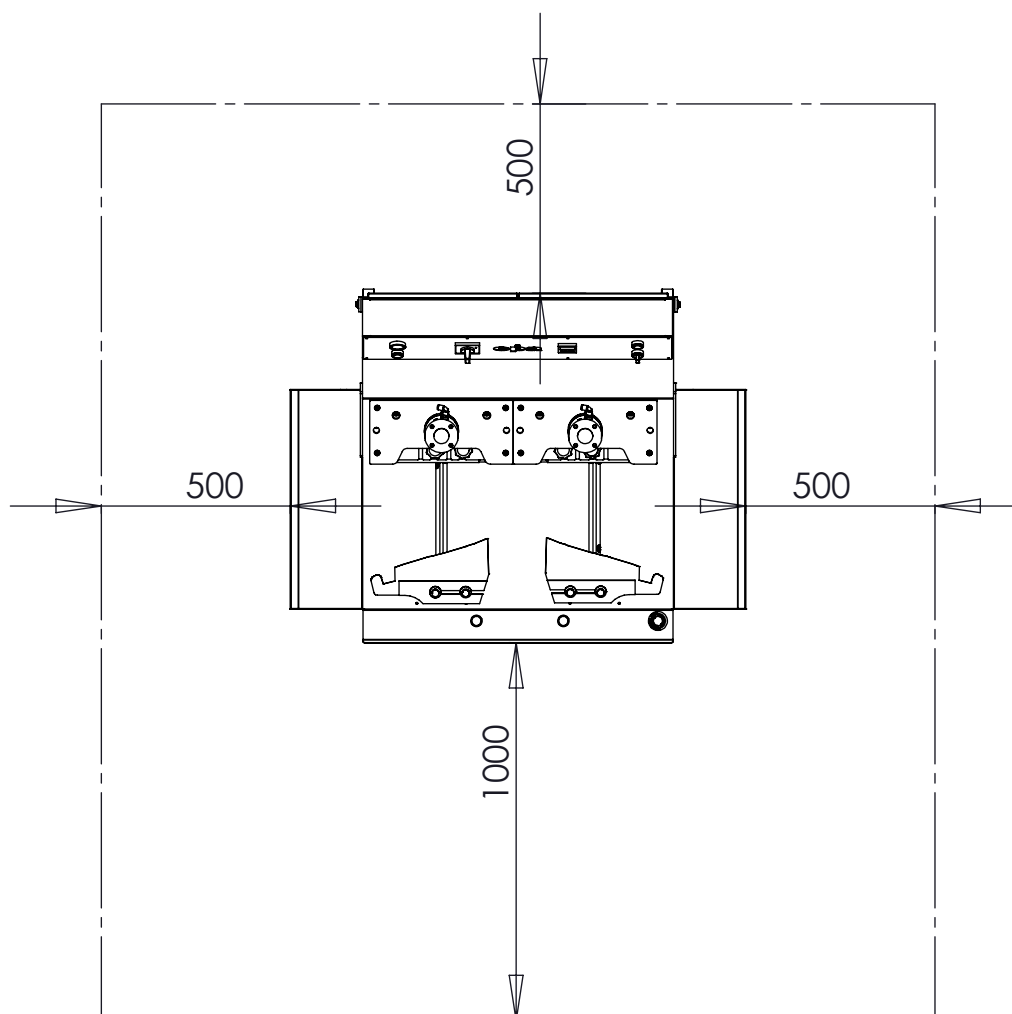
ATTENTION: This machine have to set up by experts.

Producer company can not be held responsible to problem and faults that it is resulted from inadequate links in case of not working the machine in respect of wrong set up and main power sources not parallel to informatics provided here.



If the machine will be set up over a stationary surface, please control whether surface can be removed weight of the machine. If there is burnable/ explosive/ sparkler around the machine, definitely do not set up here.

Control the machine for working and maintainance needed blank during machine setup so as to provided. Machine has to be replaced over stiff and plain surface.



Replace your machine on smooth and solid surface. As is seen in Figure.1
adjust the machine foot.

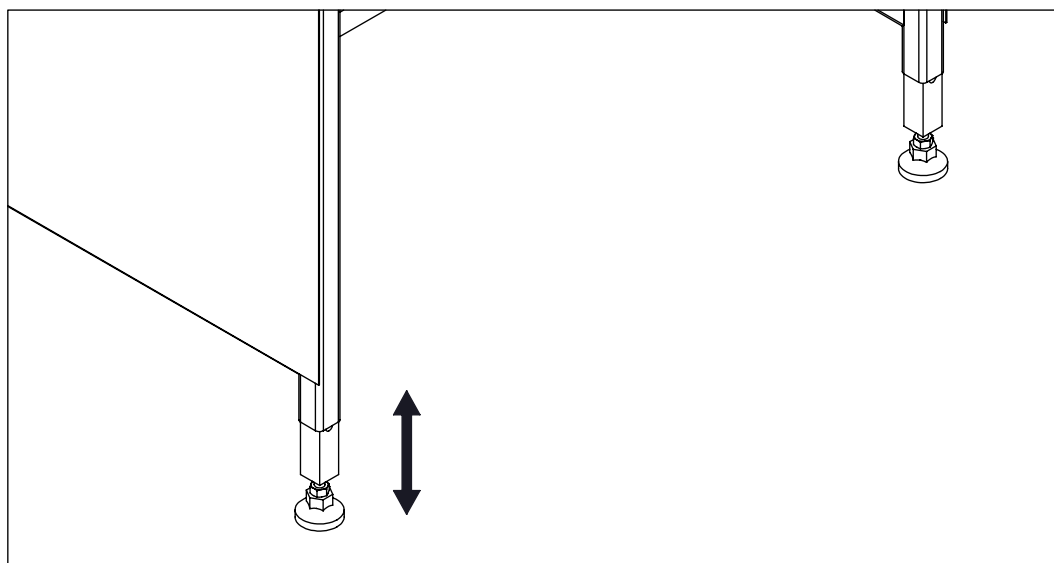


Figure.1

08-ELECTRICAL CONNECTIONS

If there is not power cable on machine, in order to connect power cable open the back cover (Figure.2-A).

Pass cable from holes of cable on machine. Connect phase (L) and neutral (N) soil connections related terminals. Provide 220 voltage power to machine.

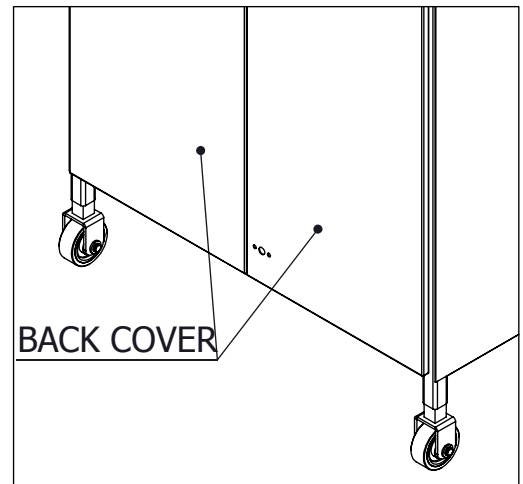
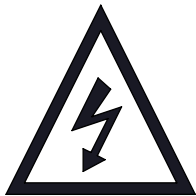


Figure 1



ATTENTION:

Electric shock dangerous exists.
This point needed to special care.

09-PNEUMATIC CONNECTIONS

Connecting the machine to compressed air output, ensure at the rate of 6-7 atm with constant air flow machine will be working. Adjust pressurestat between 6 and 7 atm.

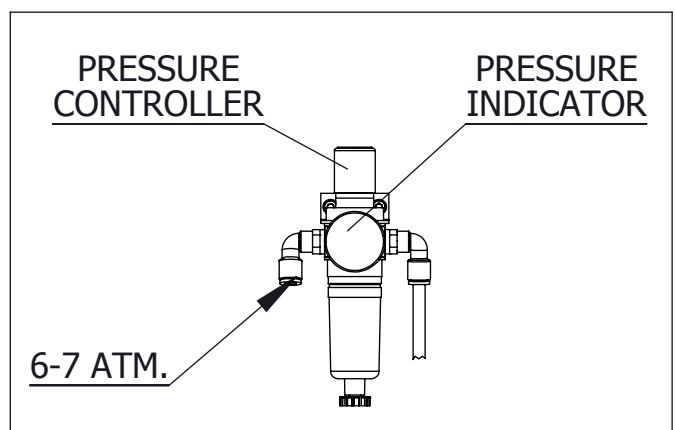


Figure 3

10-OPERATING

1. Replace the moulds that you will use in the machine properly.
2. Open air valve (Figure.4-A) and ensure the pressure indicator (Figure.6-H) shows 6-7 Atm. If it needs, adjust air pressure by using regulator. (Figure.5-D)

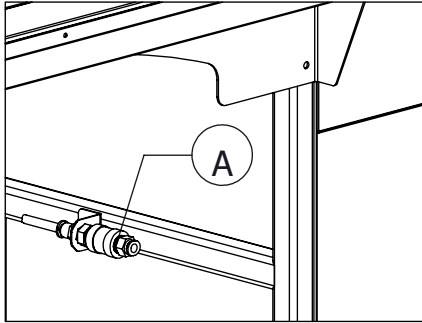


Figure.4

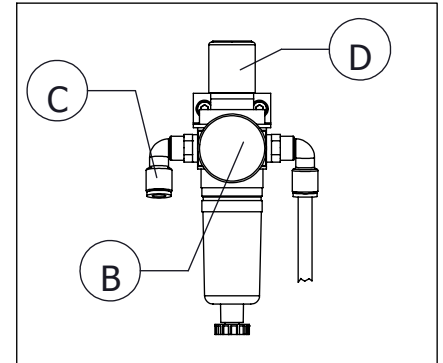


Figure.5

3. Provide 220 voltage energy to the machine.
4. Bring main power switch to I position. (Figure.6-E)

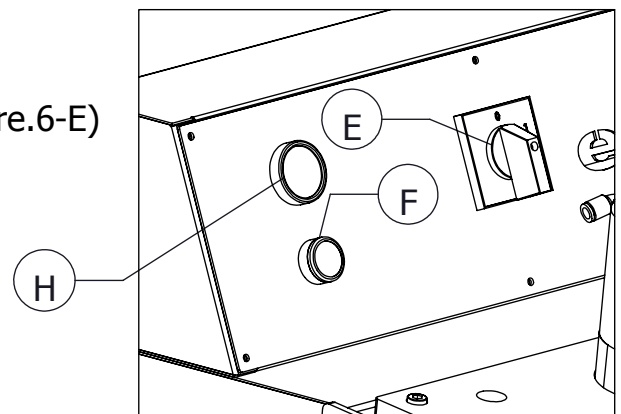


Figure.6

5. Enter heat is required to thermostat. (Figure.7-I)

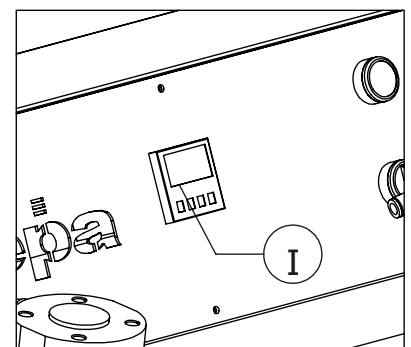


Figure7

6. Do time settings of the machine as it is seen in Chapter.11.

7. Observe urgent stop button is open.
(Figure.8)

Urgent stop button

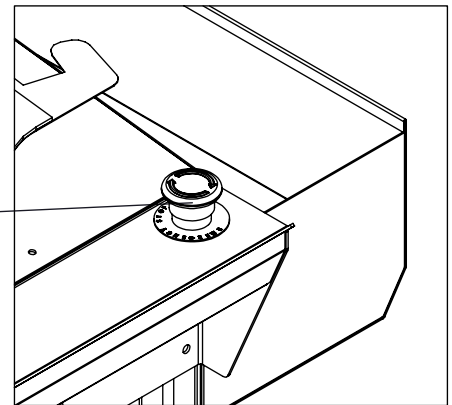


Figure 8

8. Bring to I position 1 and 2 press on/off button if you will work at pressing. (Figure..)

9. If you will work at 2. press; turn arrow direction clockwise. And bring the button to 2 position that is at pressing. (Figure.9)

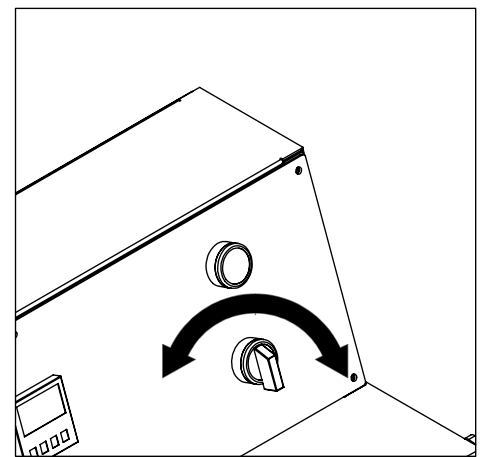


Figure 9

10. The collar that you will iron replace to mould at side that you will iron. (Figure.10)

11. If you will do ironing at right side, after you replaced the collar to mould, hold the cloth with your right hand tightly. Until the right pressing to become a part of an activity, hold down the right start button with your left hand. (Figure.10)

12. If you will do ironing at left side, after you replaced the collar to mould, hold the cloth with your left hand tightly. Until the right pressing to become a part of an activity, hold down the left start button with your right hand. (Figure.10)

13. When ironing process is over, you can go on ironing by replacing again cloth.

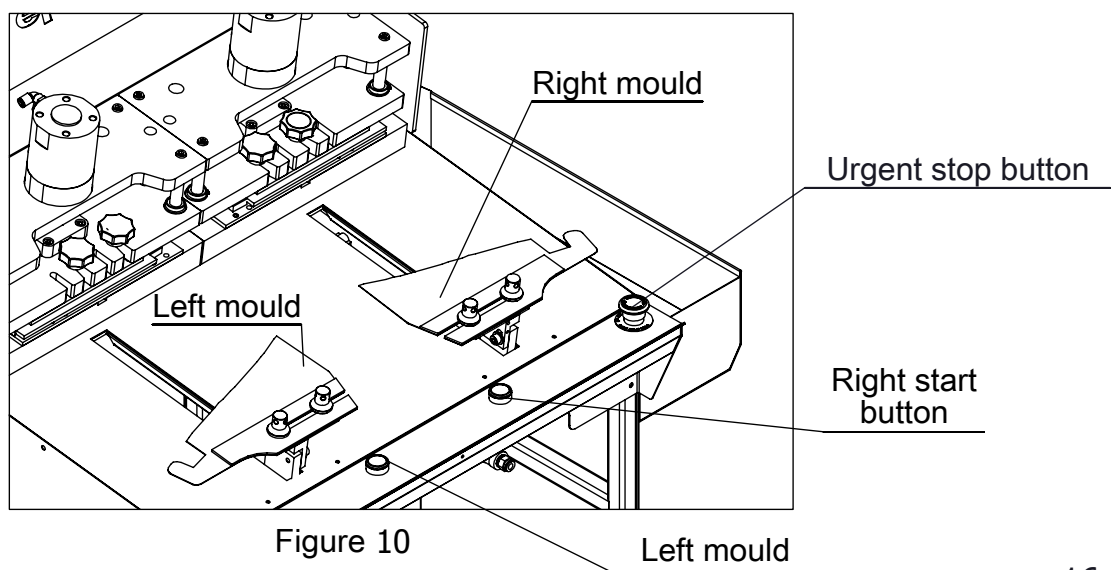


Figure 10

11-TIME SETTINGS

Setting the 1. Pressing Time

- During these operations energy must be provided to the machine.
- Make sure that urgent stop button is open. (Figure.1-A)
- Turn the 1. and 2. on/off buttons to the left. (Figure.2-B)
- On each pressing of time entering button, 1. pressing time increases 1 second. (Figure.2-C)

Zeroizing the 1th Pressing Time

- For this operation you must provide enough energy for your machine.
- Make sure that urgent stop button is open. (Figure.1-A)
- Turn 1th and 2nd on/off buttons to the left. (Figure.2-B)
- Push Time Entering Button (Figure.2-C) during 3 seconds. At the end of the time button's light to be on and off.
- If the button lamb is blinking, this shows that it is not set 1th pressing time.
- If 1th pressing time is zero your machine does not run. For running of the machine you have to set 1th pressing time. (Figure.2)

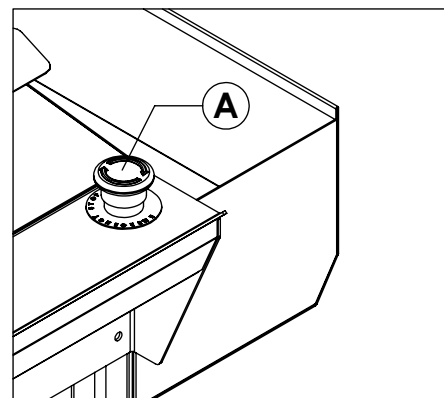


Figure 1

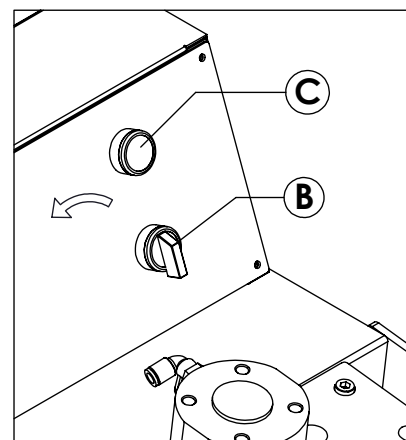


Figure 2

Setting the 2nd Pressing Time

- For this operation you must provide enough energy for your machine.
- Make sure that urgent stop button is open. (Figure.1-A)
- Turn 1th and 2nd on/off buttons to the right. (Figure.1-2-B)
- On each pressing of time entering button (Figure.2-C) 1th pressing time increases 1 second.

Zeroizing the 2nd Pressing Time

For this operation you must provide enough energy for your machine.

-Make sure that urgent stop button is open (Figure.1-A)

-Turn 1th and 2nd on/off buttons to the right. (Figure.3-B)

-Push Time Entering Button (Figure.3-C) during 3 seconds. At the end of the time button's light to be on and off.

-If the button lamb is blinking, this shows that it is not set 2nd pressing time.

-If 2nd pressing time is zero your machine does not run. For running of the machine you have to set 2nd pressing time. (Figure.3)

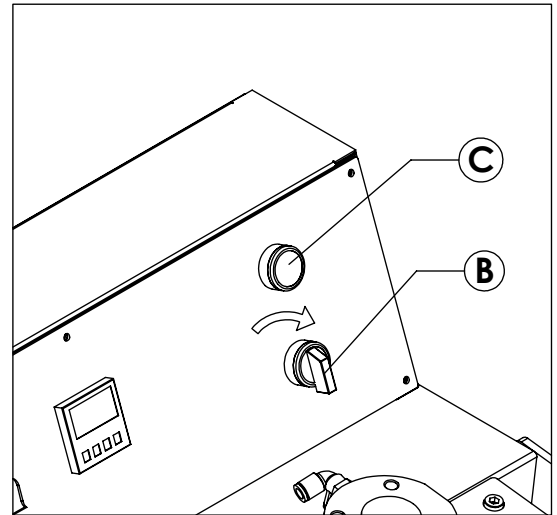


Figure 3

12-MAINTENANCE

Before starting machine maintenance, part changing or adjustment please disconnect the machine from basic power supply source, also compressed air supply source and wait for cooling of pressing parts.

Following operations must be done by highly educated people.

EPA 305 does not require special maintenance on using process because of its logical design.

13-MALFUNCTIONS AND CAUSES

1-If ironing plates do not heat up enough;

- Control the resistance efficiency.
- Control the thermal sensors efficiency.

2-If ironing form is out of order;

- Control the mould. (Figure.1)
- Control connections of the mould. (Figure.1)
- Control air pressure. (Figure.2)
- Control the heating resistances.
- Control mould cylinders. (Figure.1)

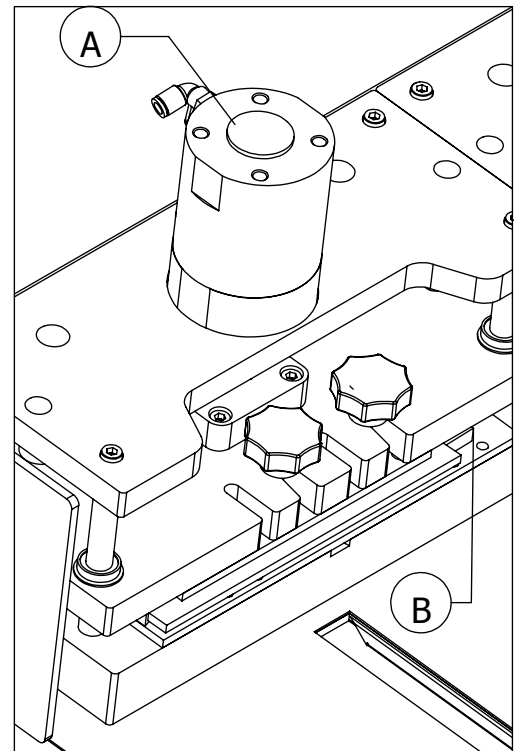


Figure 1

3-If there is a irregular temperature;

- Control the thermal sensors efficiency.
- Control the adjusted heat. (Figure.2)

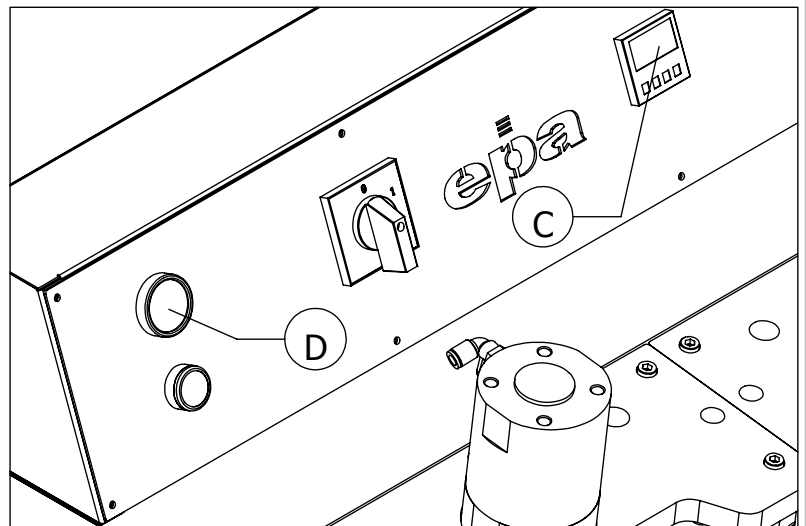


Figure 2

4-The machine is doing faulty ironing;

- Control that adjusted heat is hot enough. (Figure.2)
- Control whether ironing time is too short.

5-If ironing plates do not move;

- Control mould cylinders. (Figure.1)

14-SPARE PART CHARTS

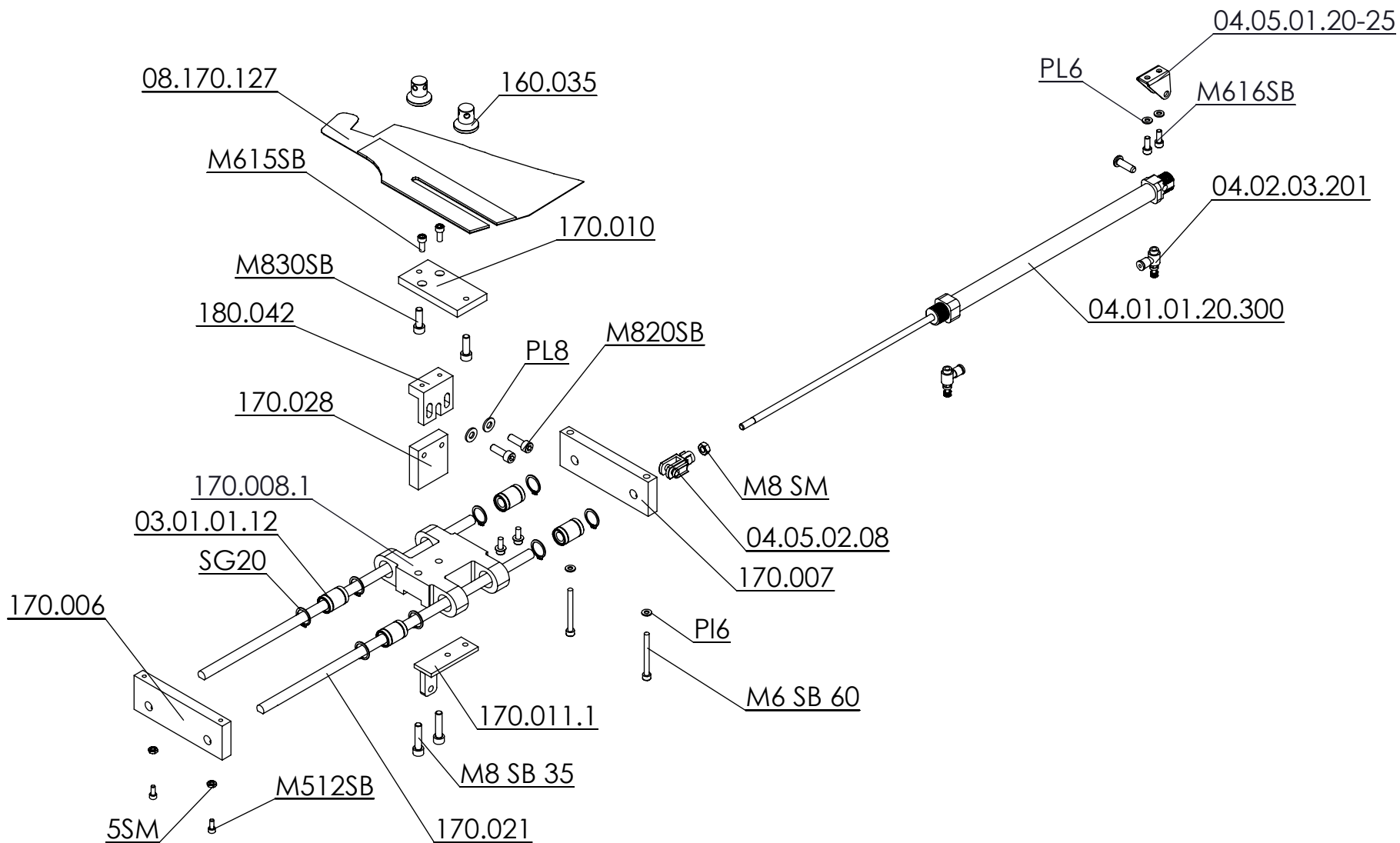
Please inform us about following infos, we can provide your spare part promptly:

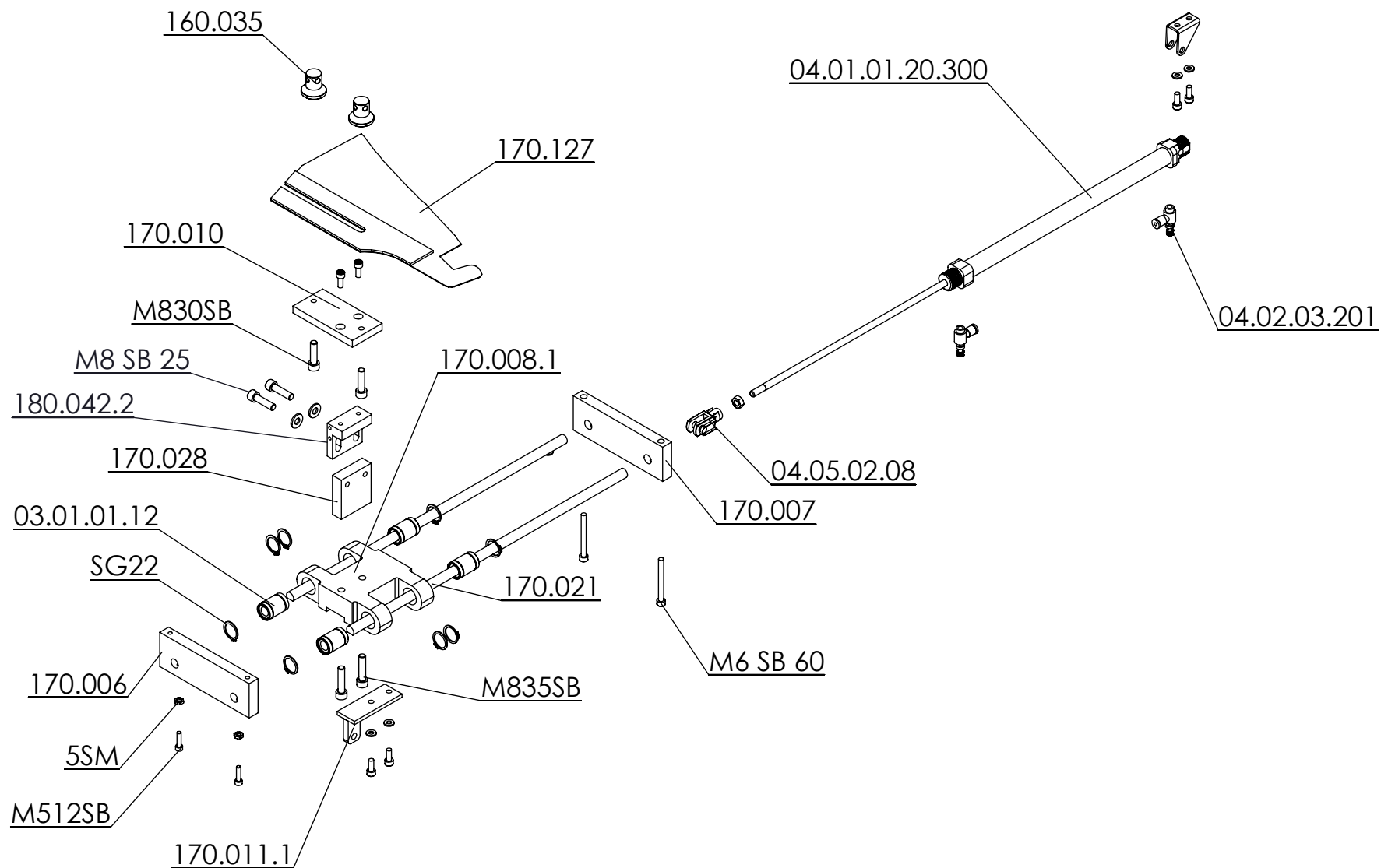
Machine model and serial no

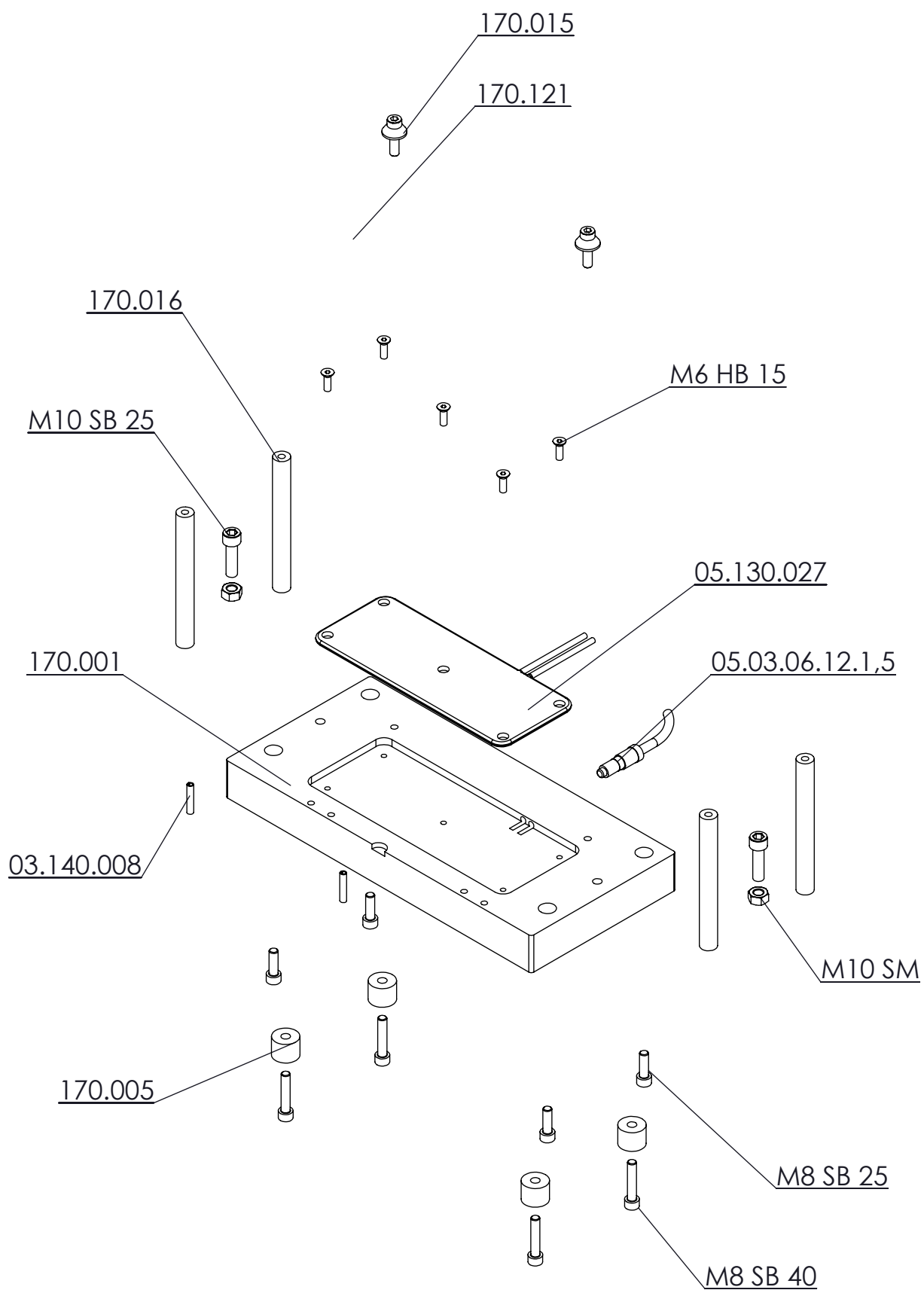
Spare part code

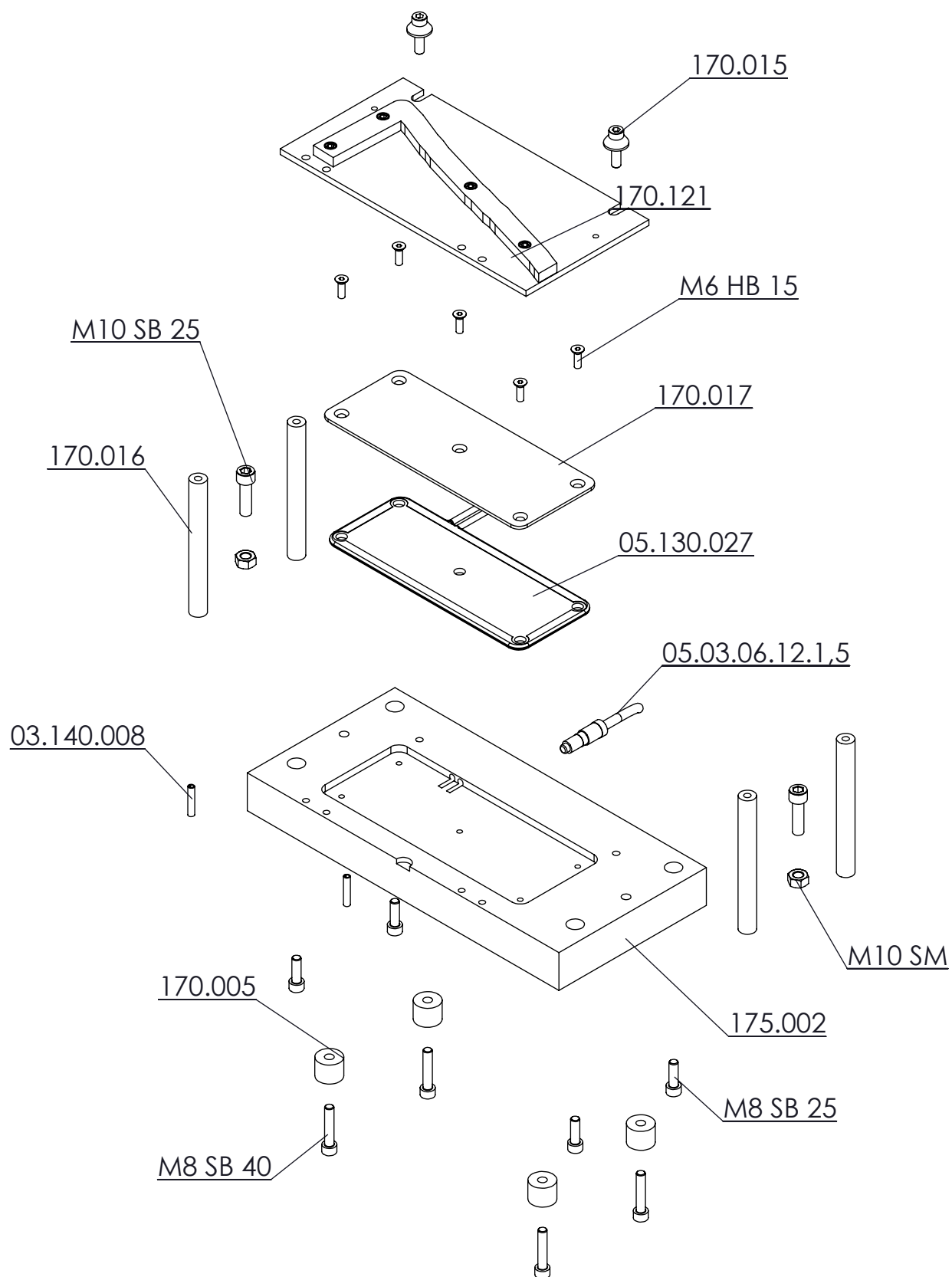
Check your code on your spare part chart.

Example : Collar Forming Press machine **Model** EPA 305 **Serial no** **Code**
'part









03.02.471.026

03.01.01.16

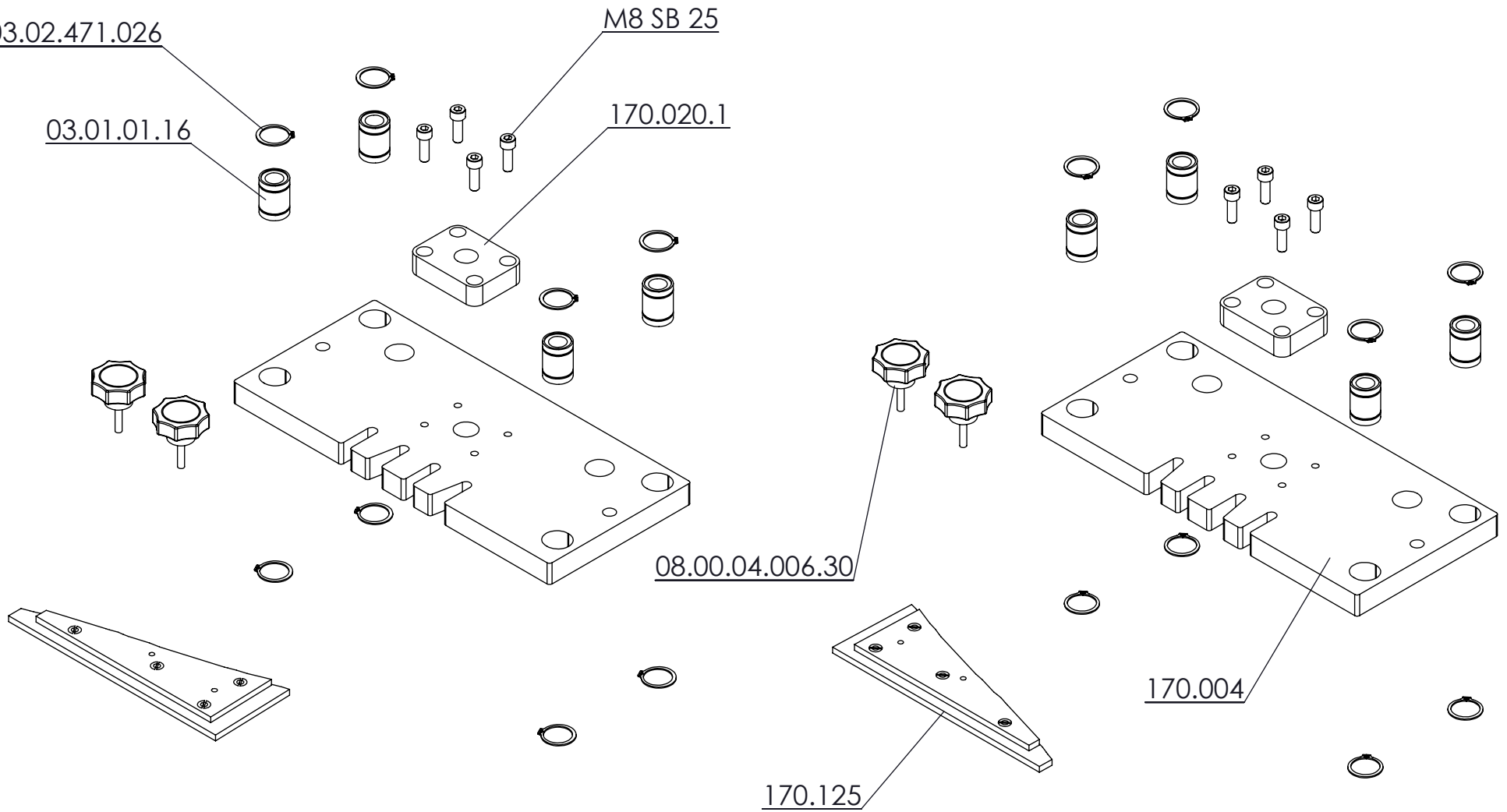
M8 SB 25

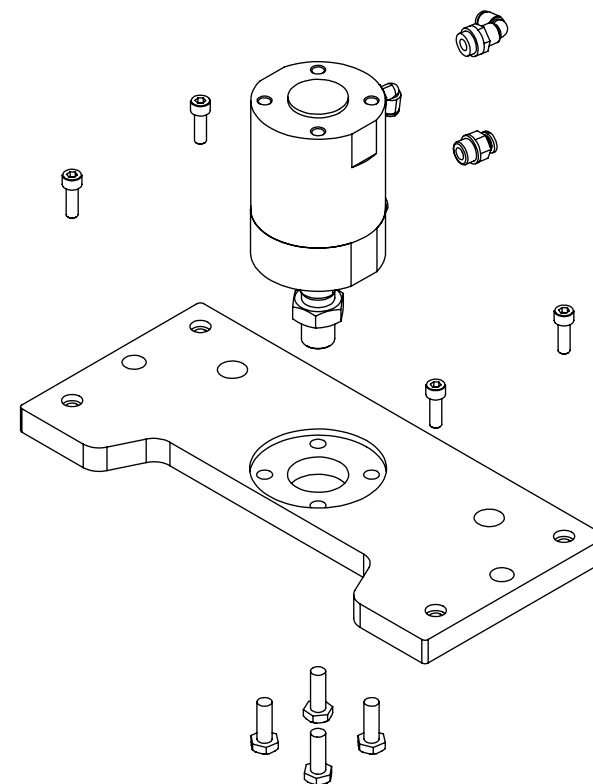
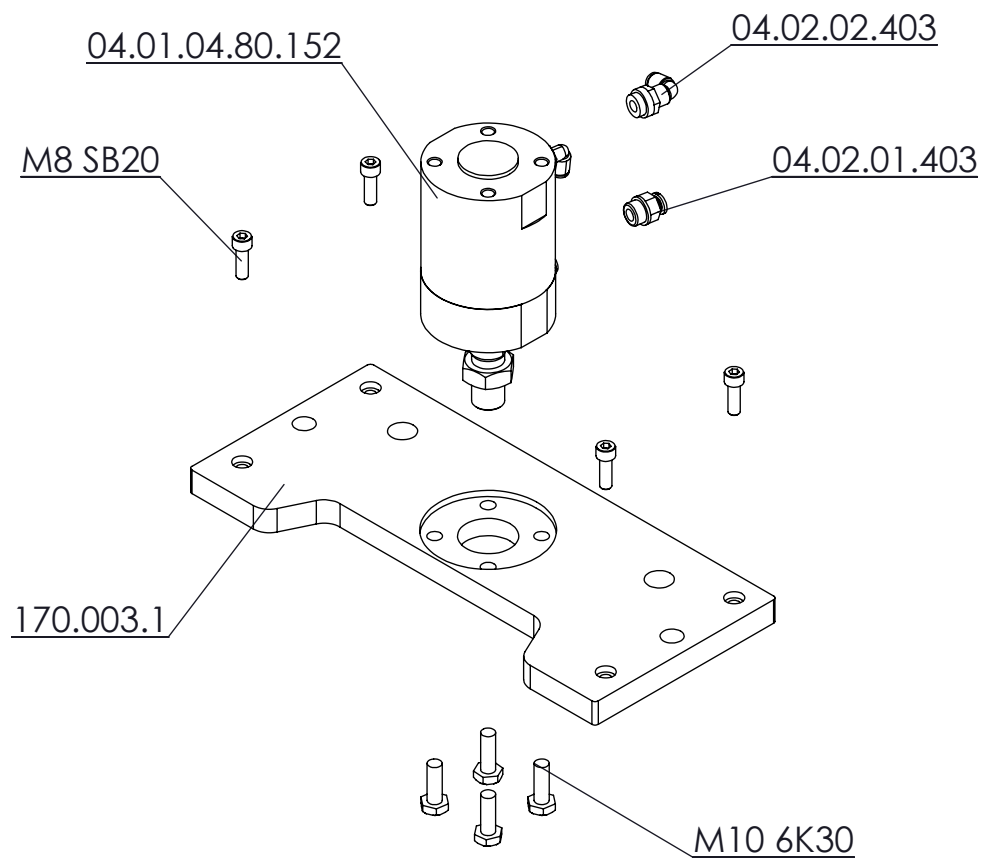
170.020.1

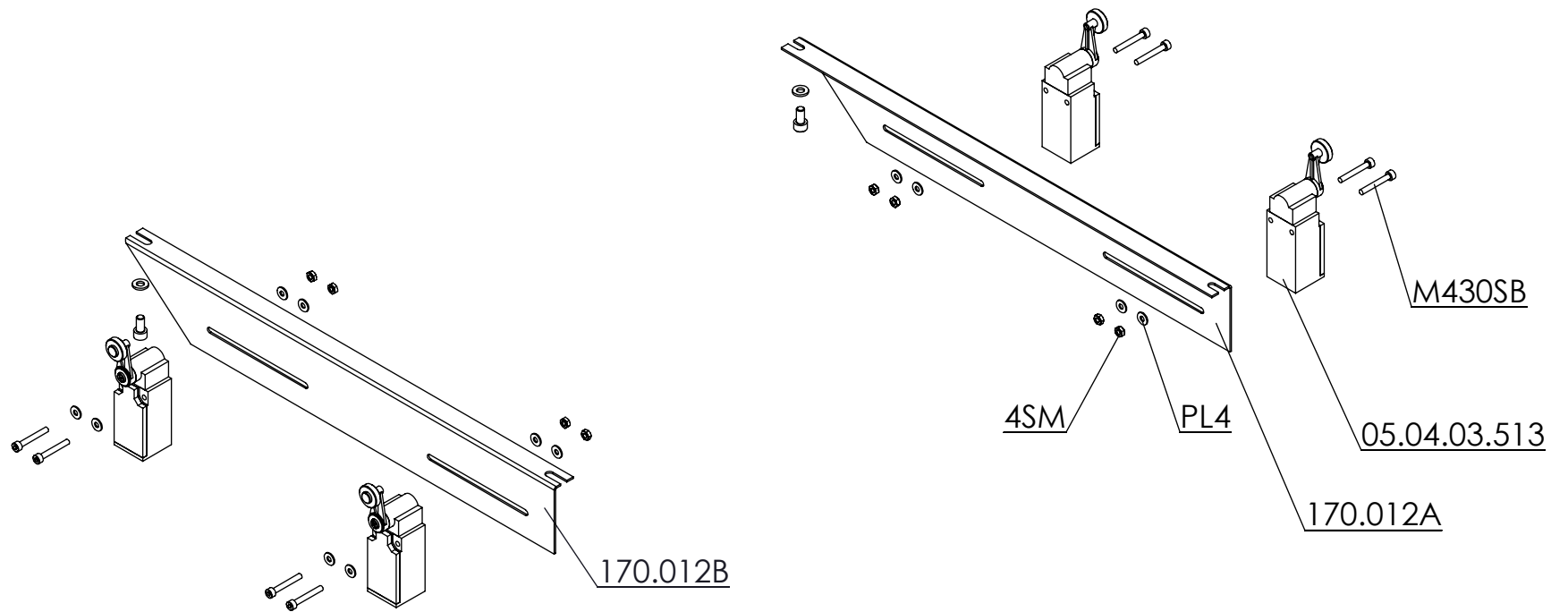
08.00.04.006.30

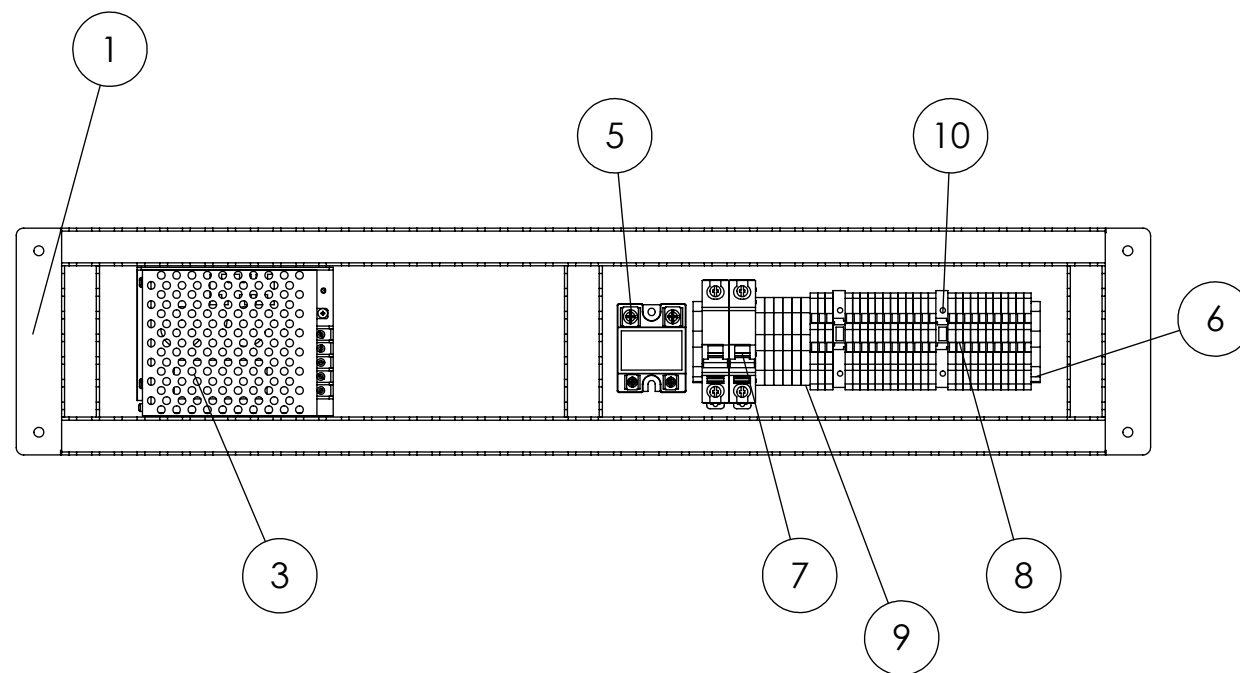
170.004

170.125

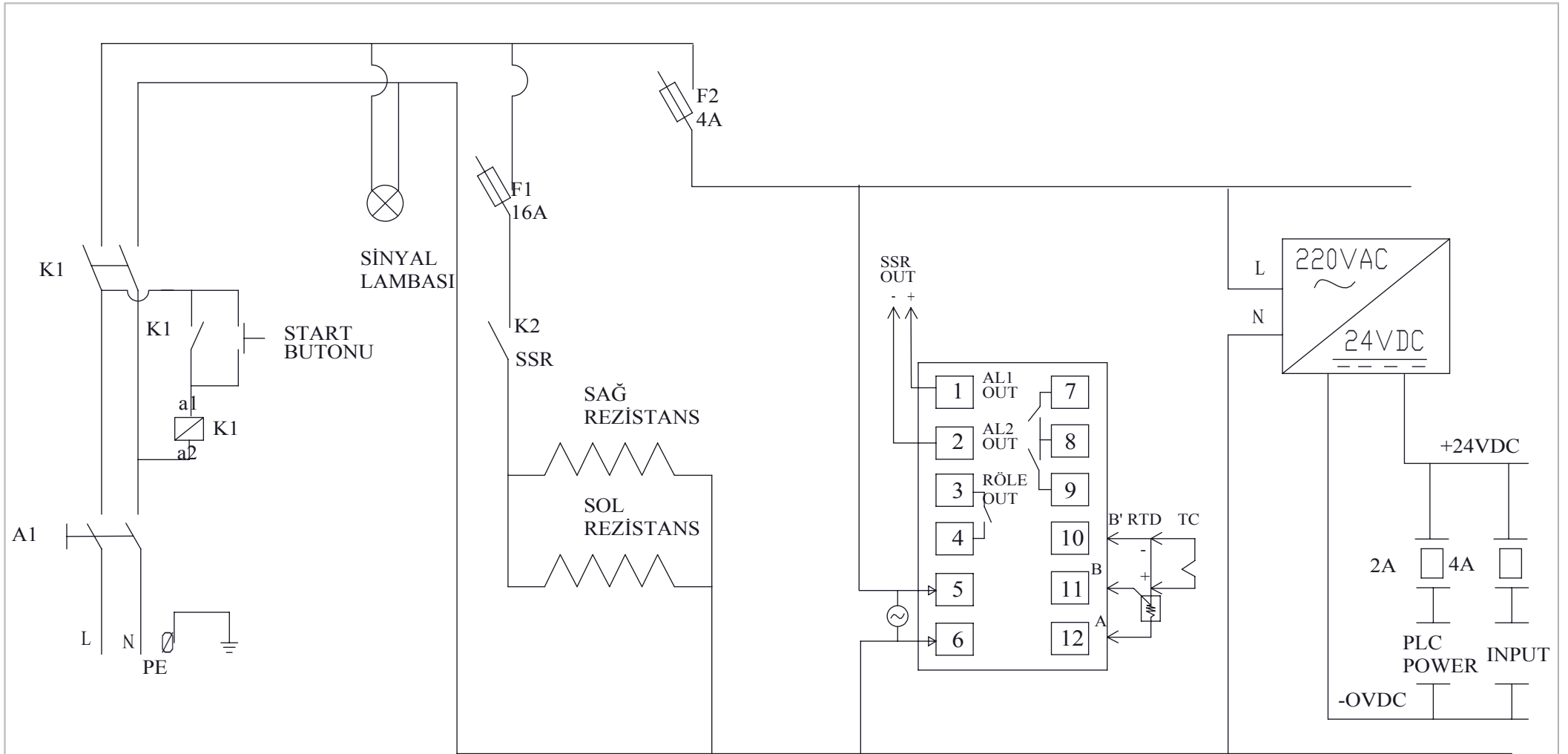








ITEM NO.	PART NO	AMOUNT
1	180.335	1
3	220V24VDC2,5A	1
5	05.01.02.1.025	1
6	Klemens_PEK4	2
7	05.01.01.1.0104	2
8	Klemens_Pik 2,5N	26
9	Klemens_WGT4	6
10	05.01.05.50	2

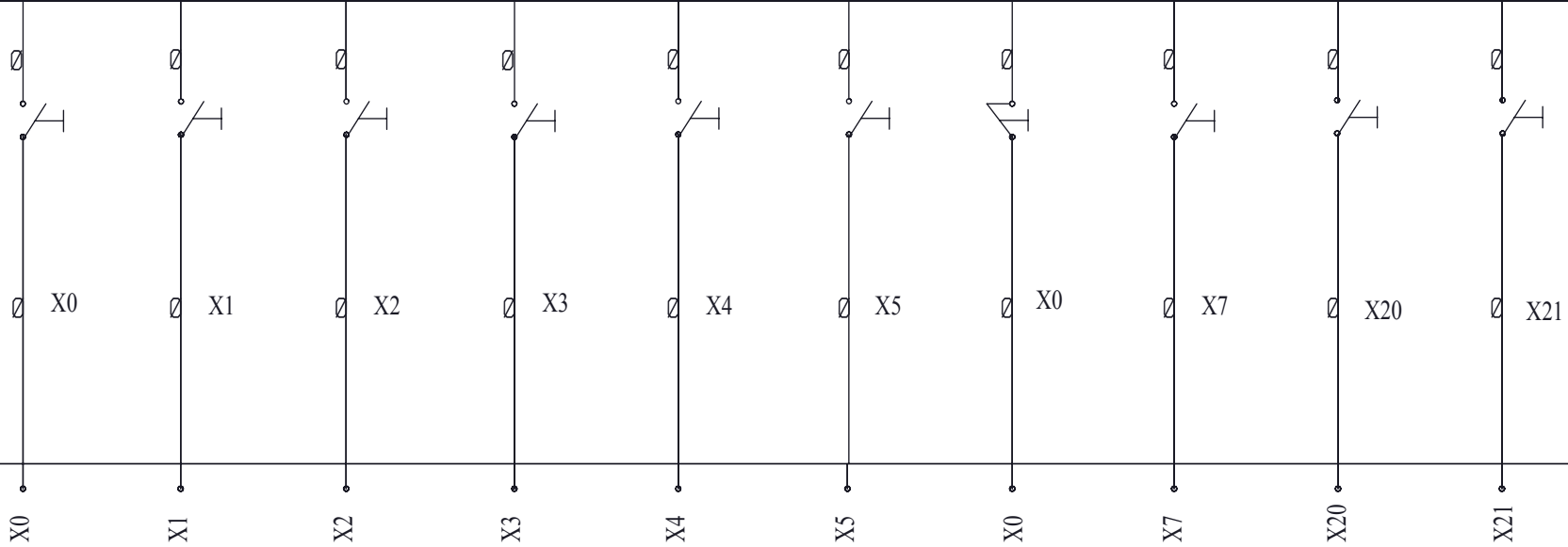


RESISTANCE

HEAT
CONTROL

ÇİZEN	GÜLŞEN YILDIRIM	TARİH	03.10.2015	E-P-A AKIN
KONTROL	ERHAN ÖZSOY	SAYFA NO		
ONAY	ÖZCAN ÖZSOY	MAKİNE MODELİ	EPA 305	

032<+24VDC>



DVP-14SS2 PLC INPUTS

030<0VDC>

RIGHT START
RIGHT BACK SWITCH
RUGHT FORWARD SWITCH
LEFT START
LEFT BACK SWITCH
LEFT FORWARD SWITCH
URGENT STOP
1. PRESS BUTTON
2. PRESS BUTTON
TIME INPUT BUTTON

ÇİZEN

GÜLŞEN YILDIRIM

TARİH

03.10.2015

KONTROL

ERHAN ÖZSOY

SAYFA NO

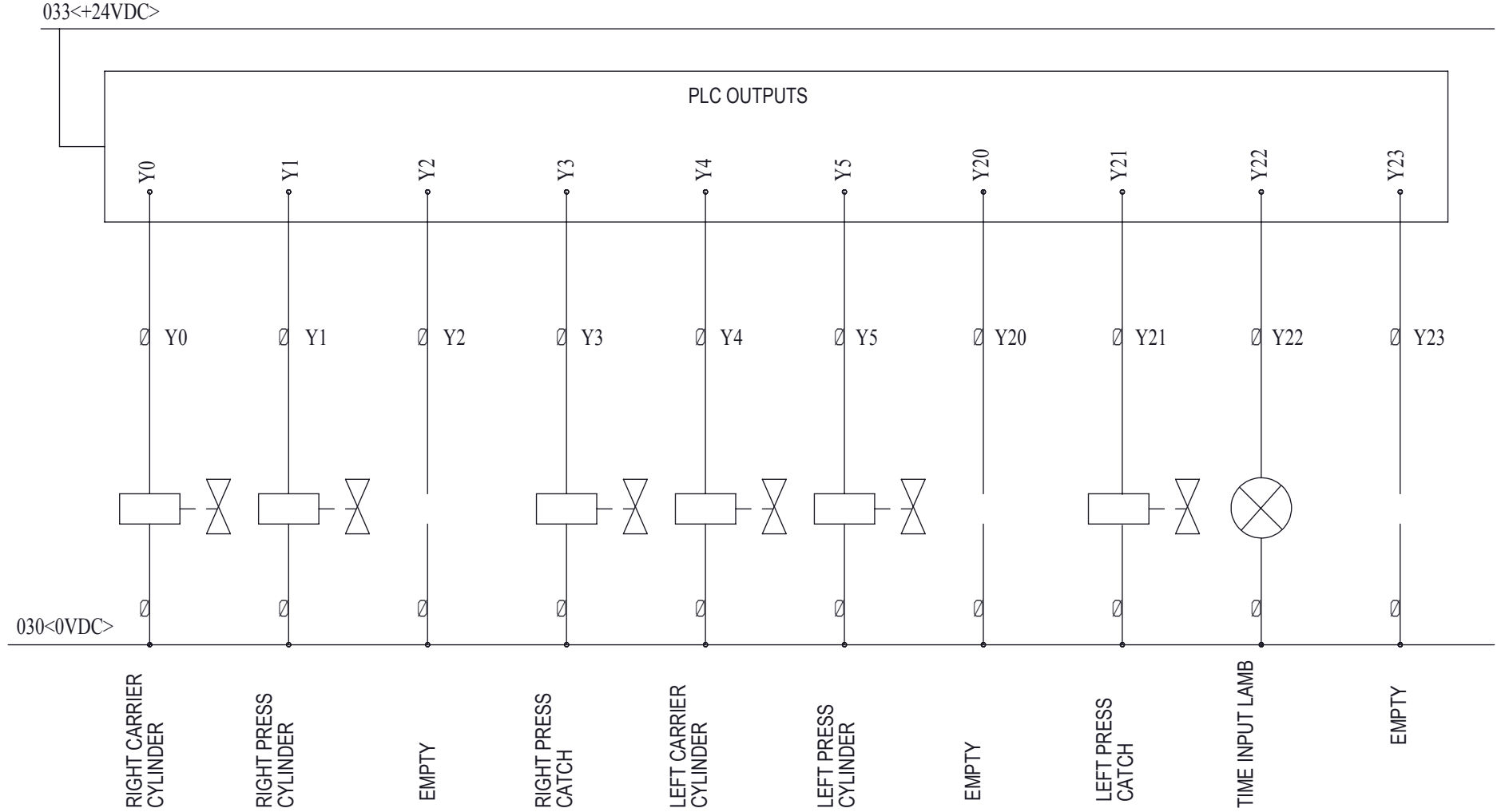
ONAY

ÖZCAN ÖZSOY

MAKİNE MODELİ

EPA 305

E-P-A AKIN



ÇİZEN	GÜLŞEN YILDIRIM	TARİH	03.10.2015	E-P-A AKIN
KONTROL	ERHAN ÖZSOY	SAYFA NO		
ONAY	ERHAN ÖZSOY	MAKİNE MODELİ	EPA 305	