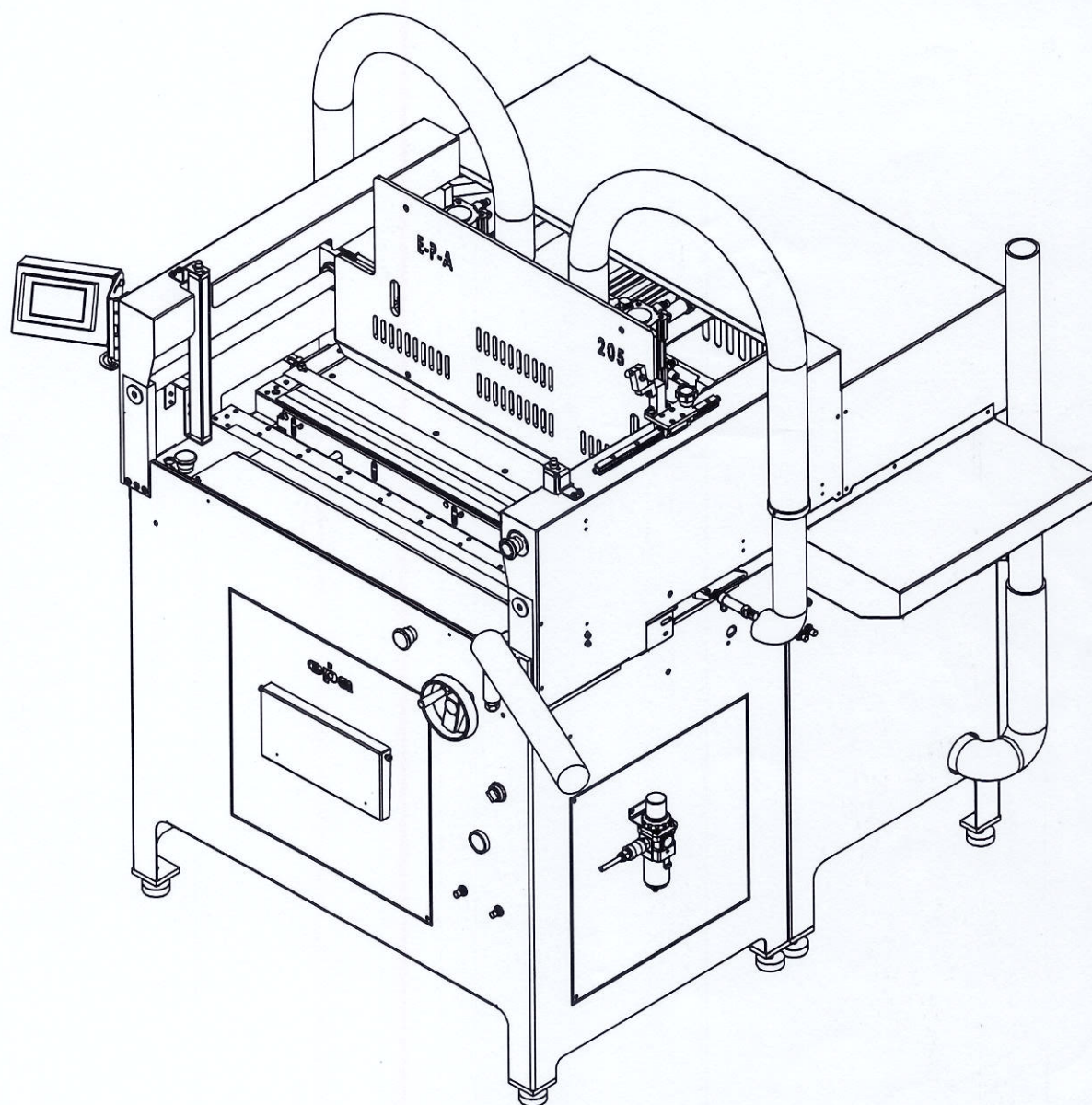


EPA 205 SHIRT FRONT PLACKET PRESSING & CREASING MACHINE

CE



MODEL : EPA 205



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 : 12.11.2013
Certificate Issue Date
Geçerlilik Tarihi : 12.11.2017
Validity Date



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L. Murat YILMAZ
Genel Müdür / General Manager

EC Declaration of Conformity

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

Of İktisadi OSB. Mutsan Sanayi Sitesi 4. Blok No: 17-19-21 BAŞAKŞEHİR/İSTANBUL/TURKEY

in accordance with the following Directive(s):

2006/42/AT

2006/42/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 ACE 900 BODY PRESS)

is in conformity with the applicable requirements of the following documents

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

Applicable harmonized Standards: **TS EN 60204-1**

EPA TEKNOLOJİ VE OTOMASYON
MAKİNALARI SAN. TİC. LTD. ŞTİ.
İ.O.S.B./Mutsan San. Sit. 4. Blok
No: 17-19-21 Başakşehir / İST.
İktisadi VD: 336 056 1719



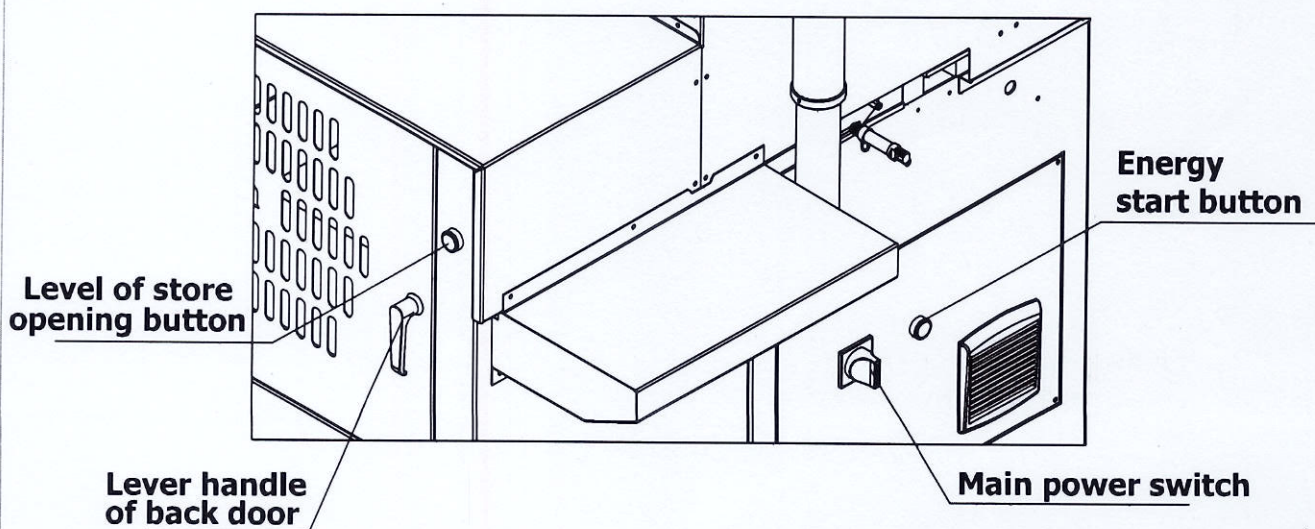
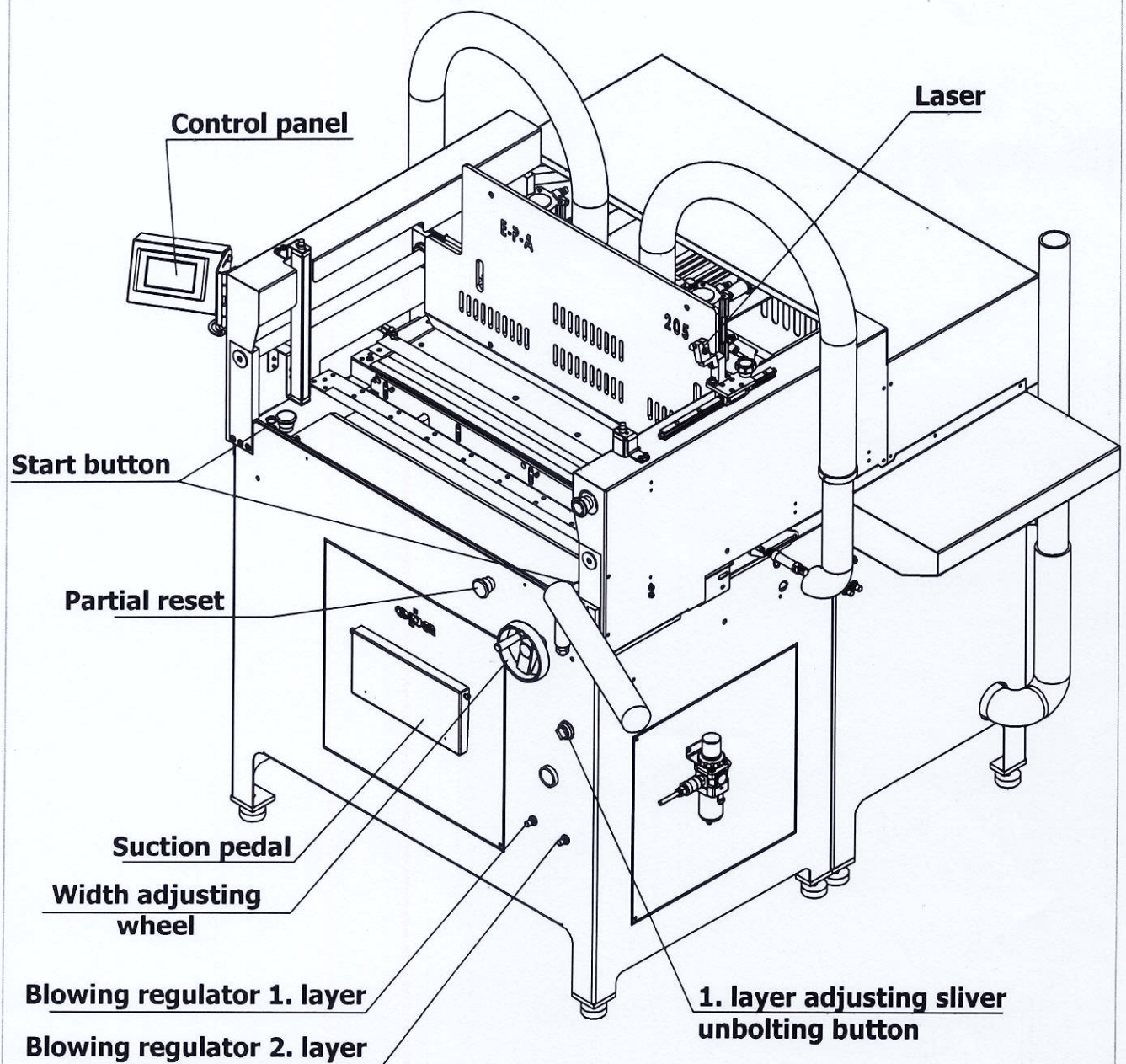
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LABEL INFORMATIONS

Machine name	Shirt front placket & creasing machine
Type	EPA 205
Serial number	367
Production date	04.2017
Voltage	.380 V
Power	7 Kw
Weight	560 Kg
Operation pressure	6 Bar

01- MACHINE CONTROLS



01-GENERAL FEATURES

A-CHARACTERISTICS AND OPERATION AREAS

EPA 205 shirt front placket pressing and creasing machine is used for front face packings, short sleeves or during packing one and more than one with fabric of any edge. This machine cuttles the pressing section of fabric terrifically. The sizes can be quickly changed without requiring any other special attachment.

The machine can make plackets between 16 and 75 cm. It has capable of fusing interlining during packing process.

Through the touch-operated screen it can be all kinds of adjustments at point in time.

It can be provide hourly, daily, weekly reports from optional graphic panel.

It can be do malfunction control from optional graphic panel.

It can be do folding of armlet.

It can be produce ehternal placket folding for shirt and blouses.

It is stacked the products accurately via automatic lifting device on the back of the machine.

It is easier to do line tracking via sensitive laser device and products are obtained as standard.

Specially designed heaters with digital thermostats provides perfect quality and reduces electricity consumption.

With the help of optional interlining cutting device you are able to make perfect interlining cutting both and reduce interlining consumption to a minimum level.

The machine has built "Programmable Logic Control" (PLC).

It does not use oil in the machine absolutely.

The machine is produced with all necessary safety equipment for the users.

03-SECURITY MEASURE



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 responsibilities about accident comes out due to the machine modifications.

A-TRAINING

Operators should be sufficented 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.

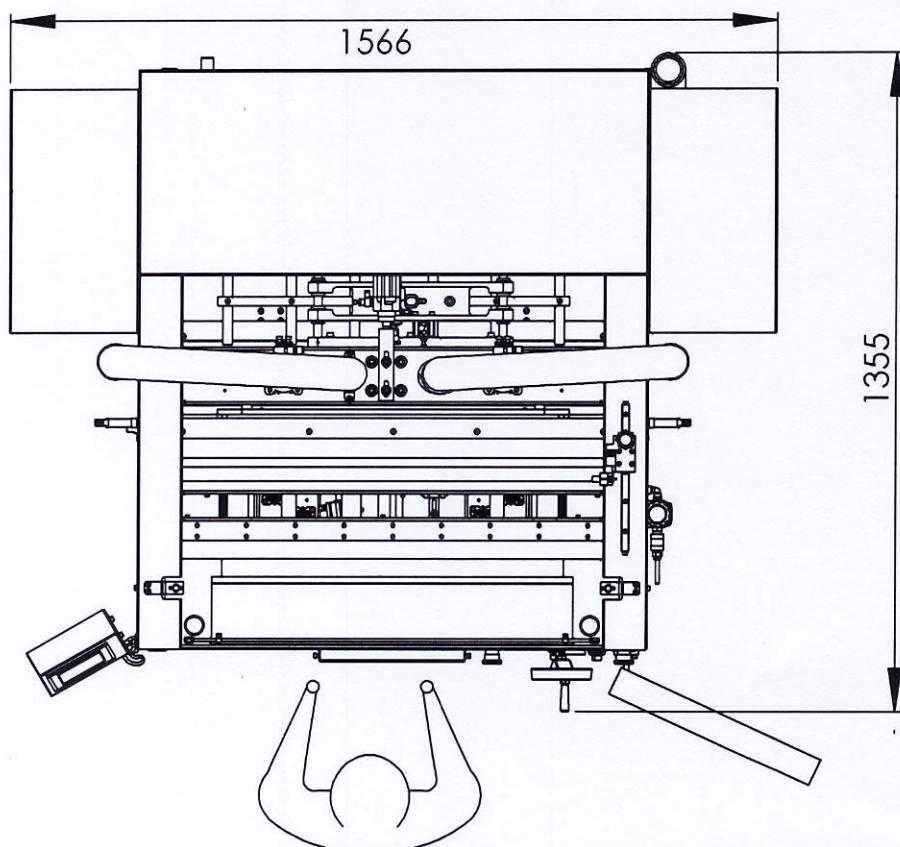
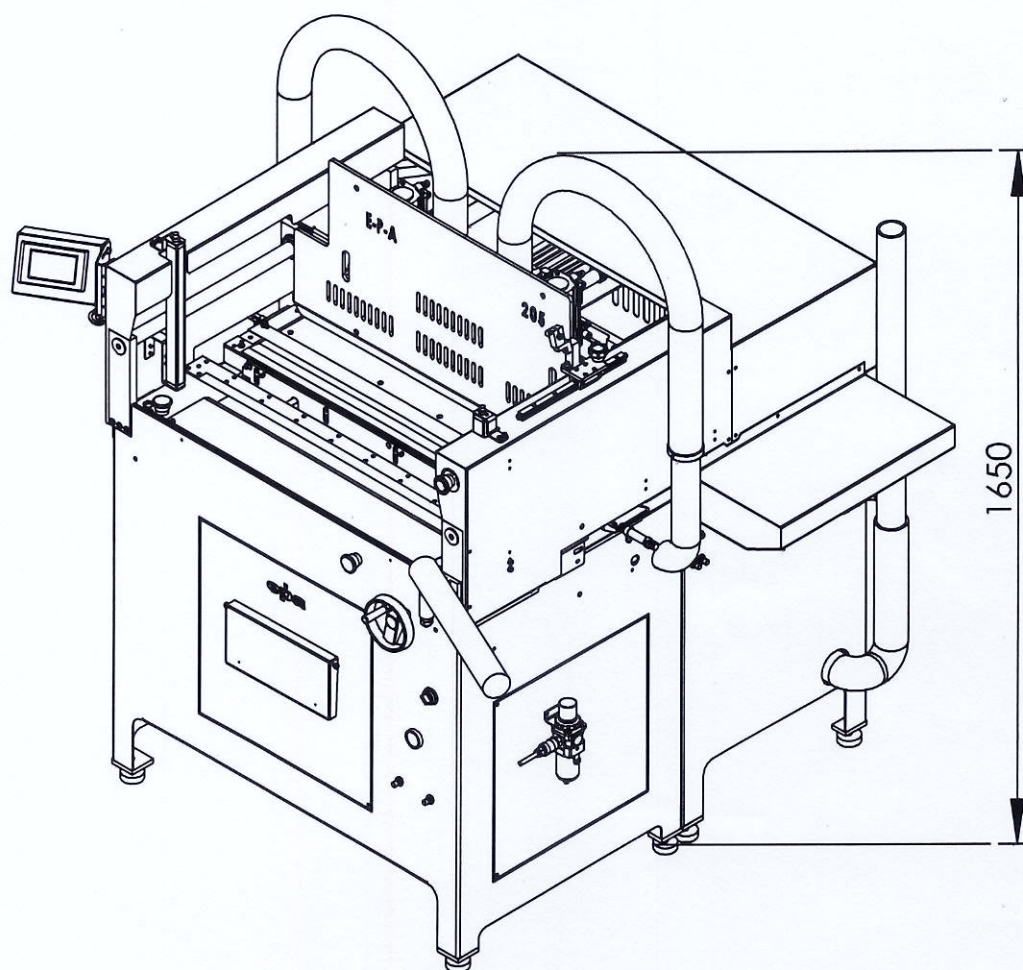
Before starting works as maintainance, part changing, adjustment quit the machine from main power source, compressed air sources and wait cooling of ironing parts.

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

Absolutely clean the machine regularly.

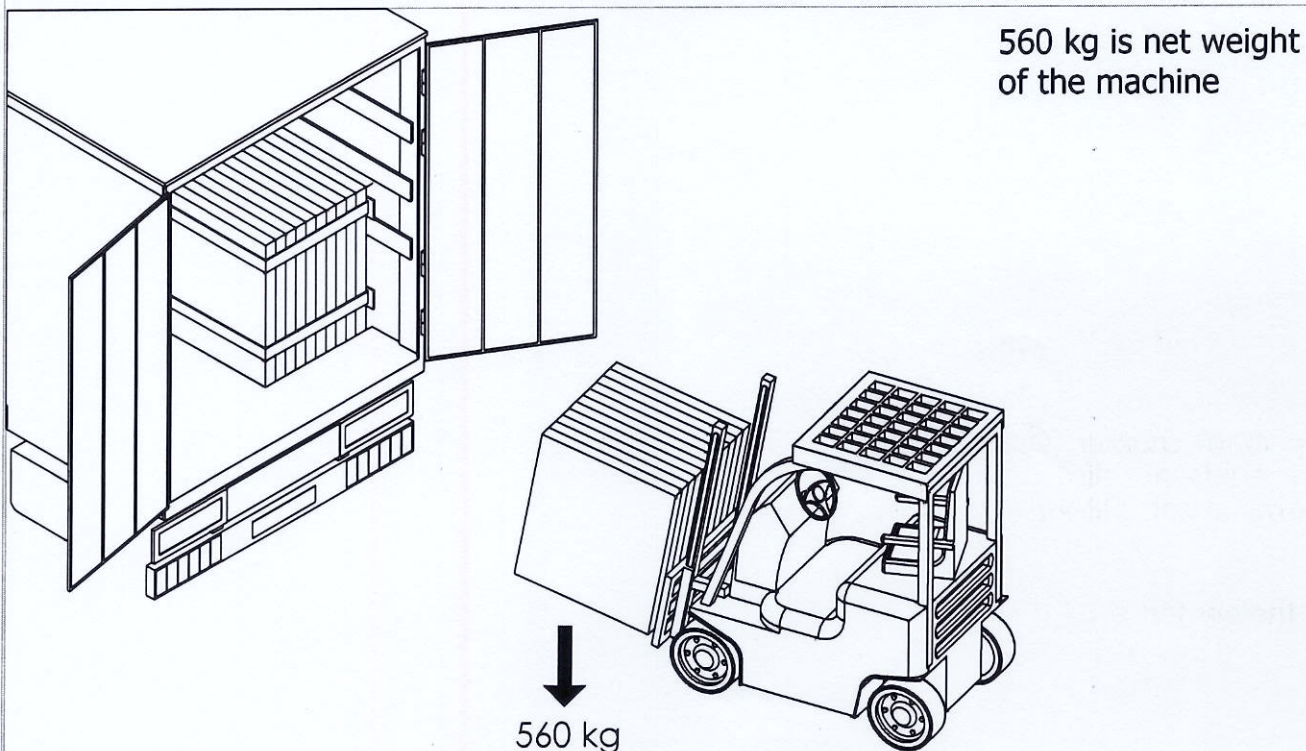
After maintainance if the machine still do not work properly, to avoid accidents cause to death or injury consult to EPA technical service urgently.

04-EPA 205 TECHNICAL INFORMATION



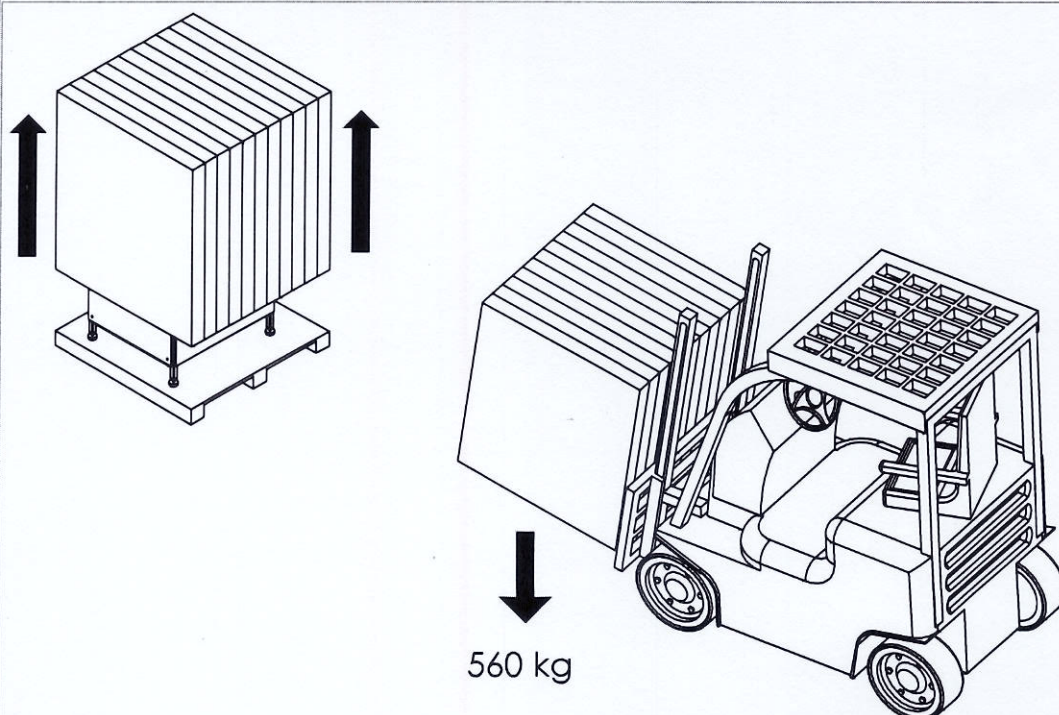
05-LIFTING AND TRANSPORT

EPA 205 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

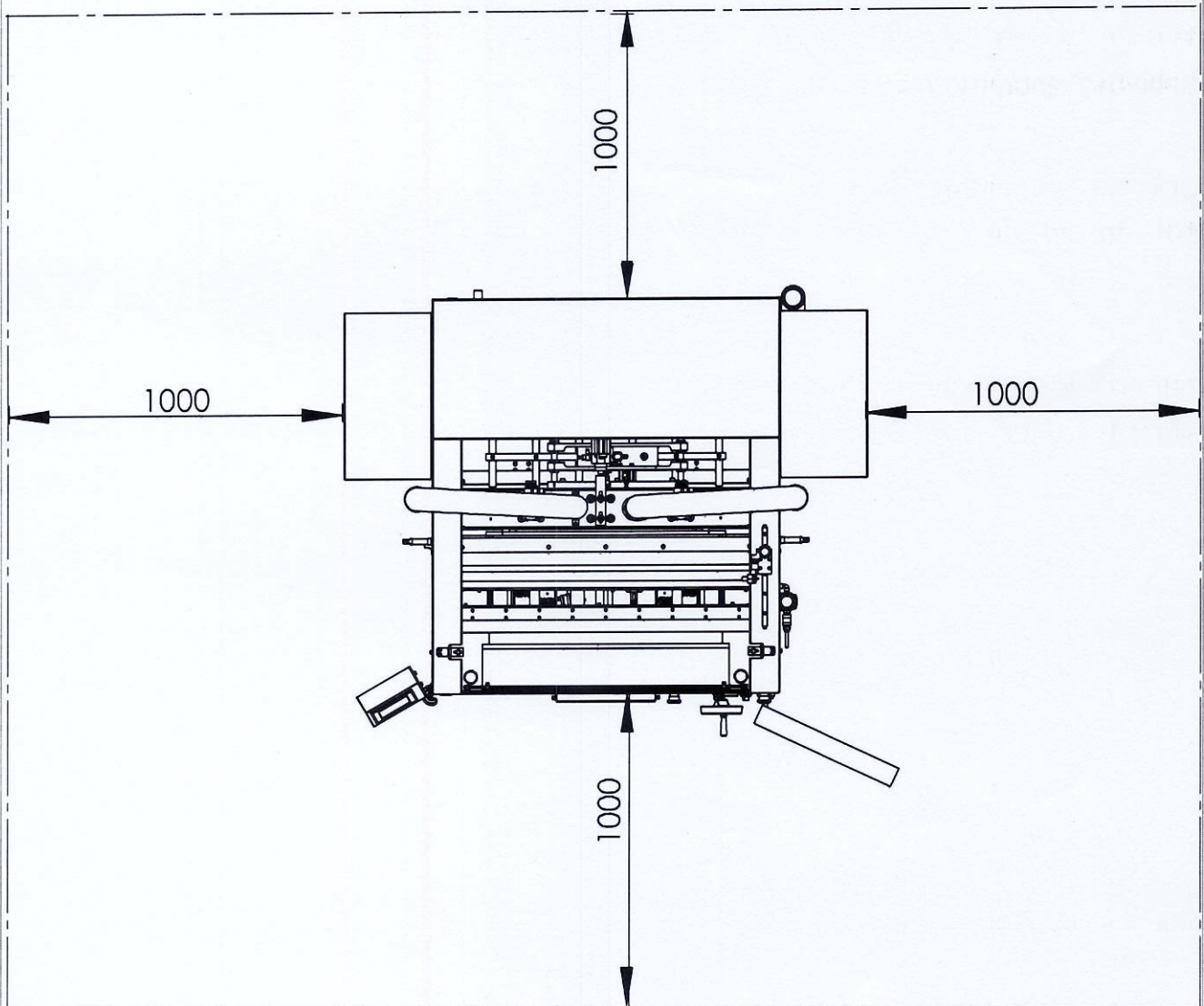
ATTENTION: This machine have to set up by experts.

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 maintenance 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.3 adjust the machine foot.

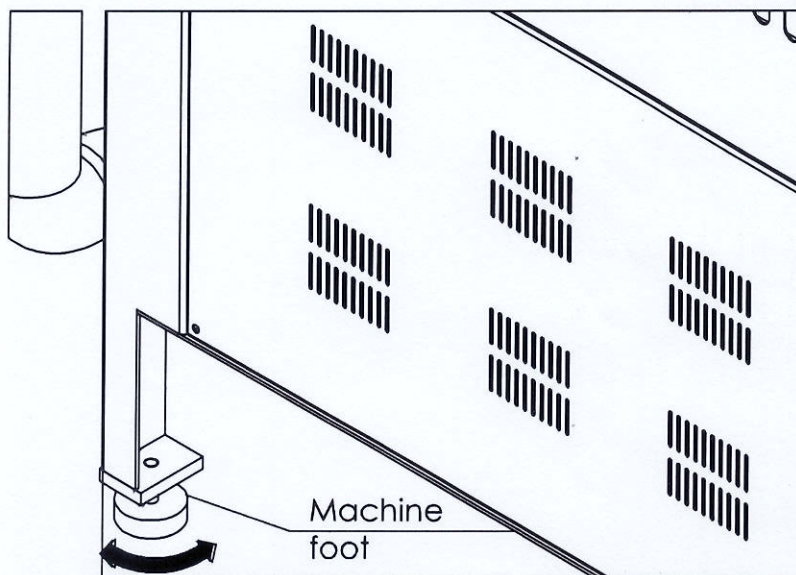


Figure.1

08-ELECTRICAL CONNECTIONS

If there is not power cable on machine, in order to connect power cable open the next panel. Pass cable from holes of cable on machine.

Connect phases R-S-T and neutral (N) soil connections related terminals. Provide 220 voltage power to machine.

ATTENTION:

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

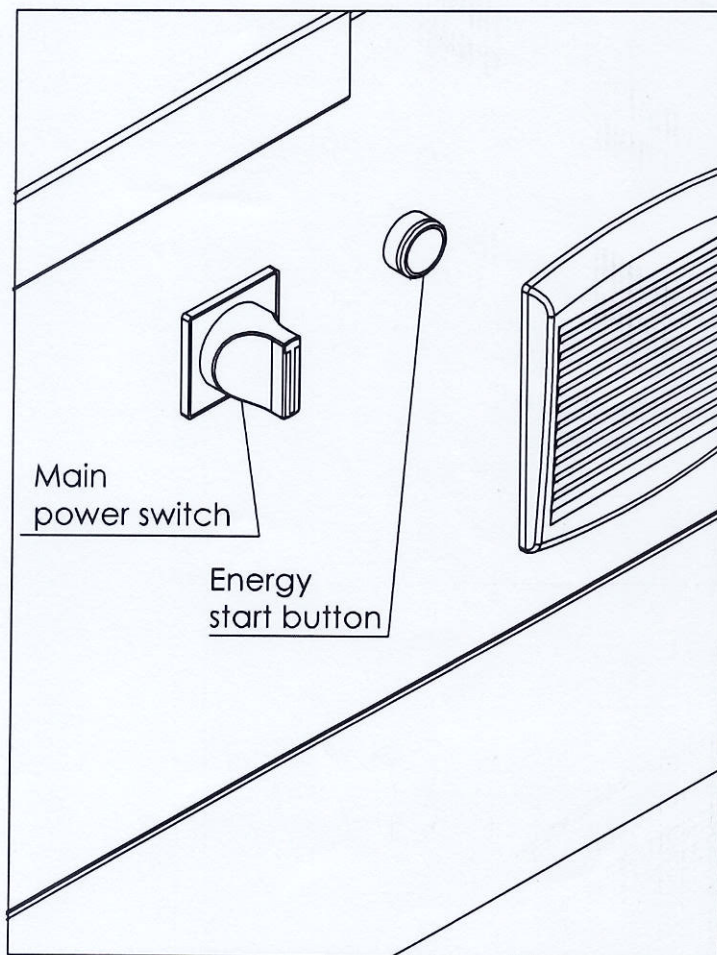


Figure.2

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.

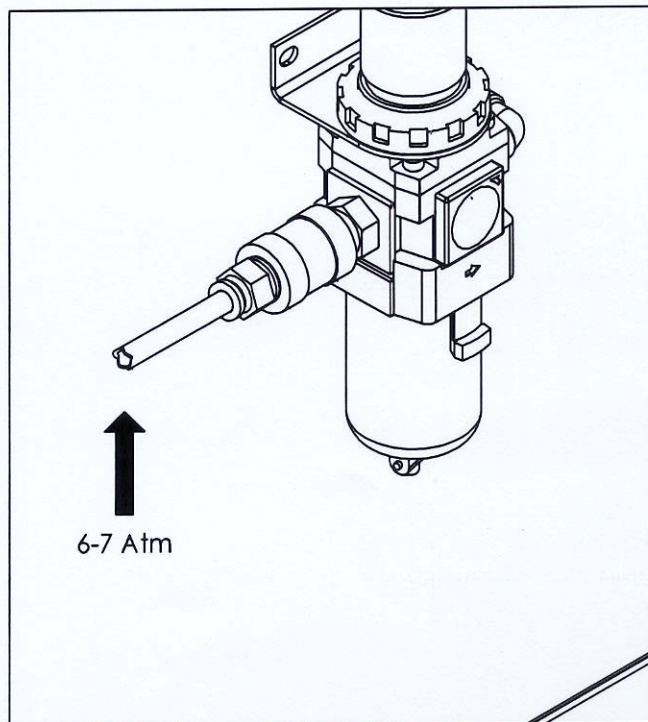


Figure.3

10-OPERATING

A-STARTING

Bring main power switch to I position and press the energy start button (Figure.4). After running approximately 15 minutes, the resistances in pressing layers will start heating and they reach to the operation temperature. This ideal temperature that we adjusted in our factory is 150 C. This value can be changed with a keyboard according to the fabric types.

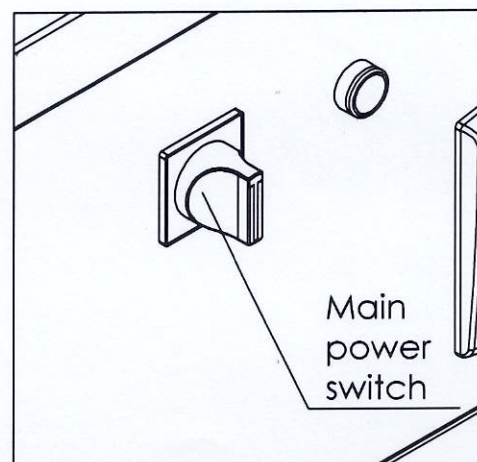


Figure.4

Open air valve and secure that air pressure indicator indicates 6-7 atmospheres. If necessary, adjust air pressure by using regulator in filter unit. (Figure.5)

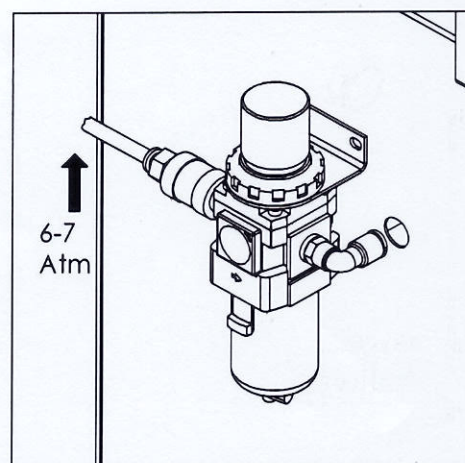


Figure.5

Before starting ironing, it is necessary to adjust the fabric width to be plied. This width can be any value between 16 mm and 75 mm. Use hand wheel at the right side for necessary scale adjustment. (Figure.6)

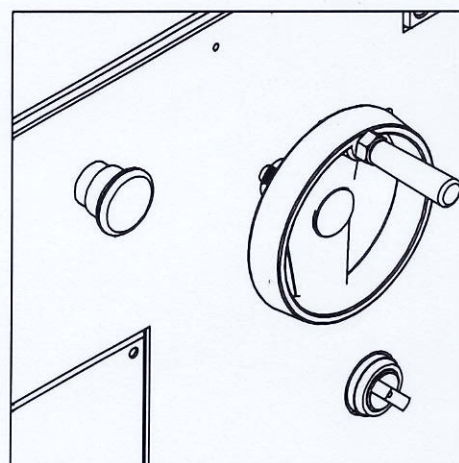


Figure.6

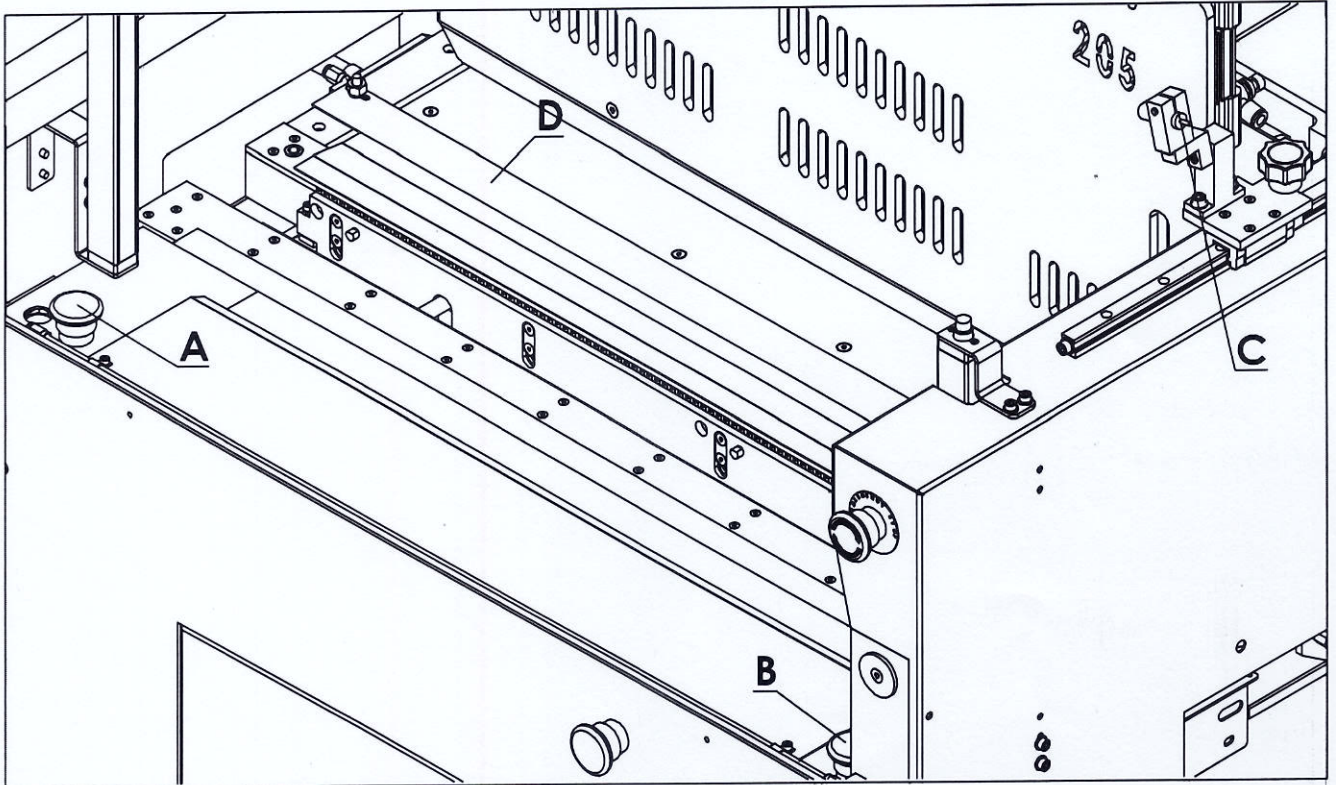


Figure.7

The way that width of packing to interior will be again between 16-75 mm, adjust the fastening rule (Şekil.7-D) to desired value by moving with your hand. Turn the button to rightward to move the fastening rule and after the rule adjusted, by turning the button again to leftward, fasten the rule. Use cloth backup strips for measures above 30 mm. The backup strips should not never be steadfast, it should be a little their plays. If it will be used a stripe, it is necessary laser beam for perfect packing and line tracking. For this use the lazer (Şekil.7-C).

Replace the cloth for packing in the machine by collimating over fastening rule. If the cloth is stripy, control packing by using the laser beam and run the vacuum by pedalling.

Run the machine by pushing two start button at same time. (Figure.7-A,B).

After iron of first layer of the cloth is done, it is turned and it is completed iron of second layer too.

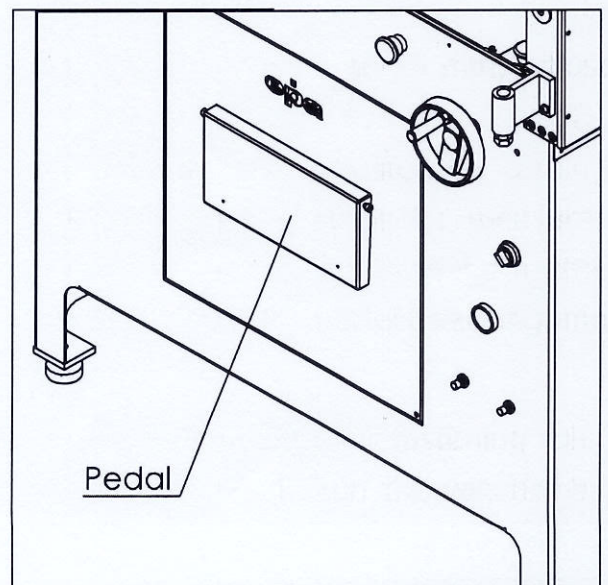


Figure.8

It is blown air from under moving rule that stops first layer cloth. Thus first layer packing completes. Thereafter control second layer cloth as it should be; the way that it will be parallel to blowing sliver.

If blowing is insufficient, the cloth will be rotated deficiently too. Hafif kumaşlar için yeterinden fazla üfleme olursa kumaş emme yüzeyinden uzaklaşacaktır.

In order to adjust the power, use 1. and 2. layer blowing regulators.

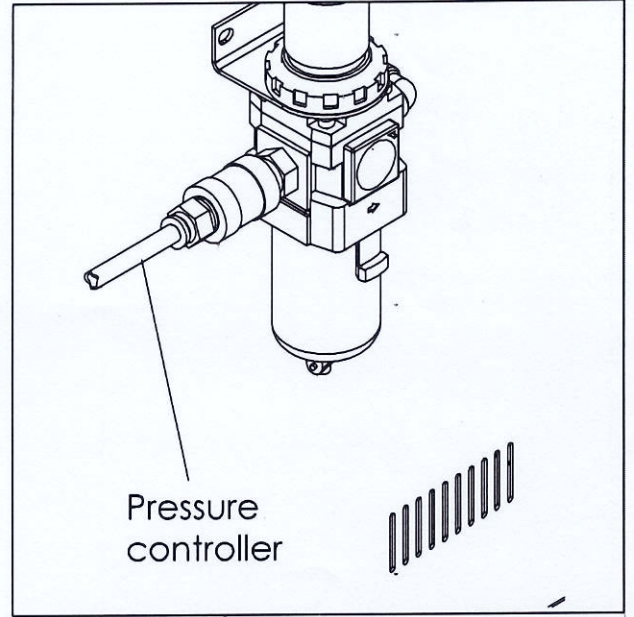


Figure.9

If alarm barrier is warned, the machine stops automatically. In order to restart push on start buttons at same time. (Figure.7)

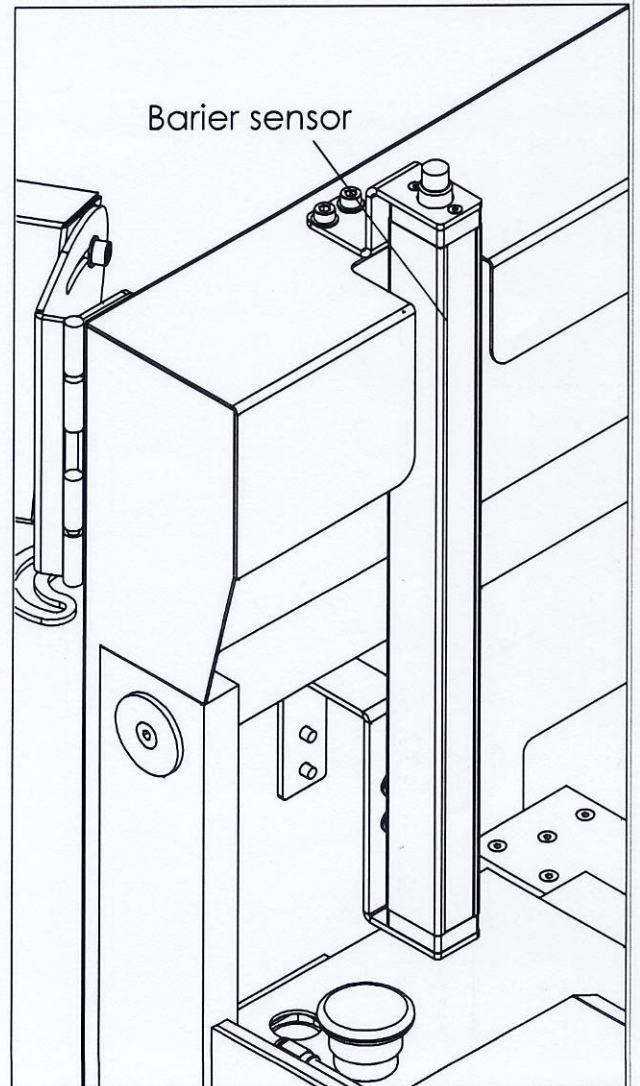


Figure.10

It is recommended to remove every 50-60 pieces that rucked clothes are available in the store. Push the button back on the machine to do this process easier. (Figure.11-A). Open the back door, (Figure.11-B) take the ironed pieces. After door of the machine is closed, start again the machine.

ATTENTION:

If the back door leaves open during this process, the machine will stop. Control the door is close to start running and push on the buttons again. Push on the urgent stop button to stop the machine completely during malfunction or failure process. To start the machine again;

Push on the start buttons by opening urgent stop button. (Figure.12)

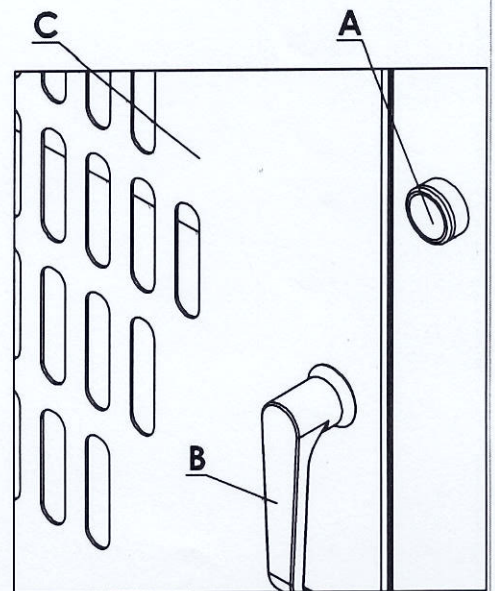


Figure.11

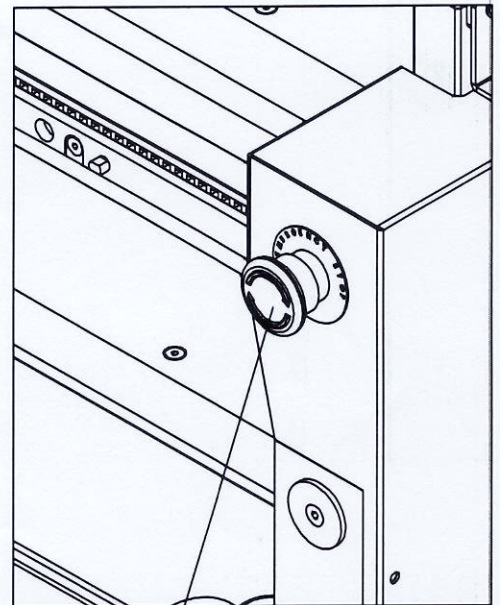


Figure.12

Urgent stop button

11-EPA 205 TOUCH-OPERATED PANEL SETTINGS

Through rapid access opportunity to information without using keyboard, touch-operated panel is preferred to provide convenience in usage.

1) OPENING PAGE

When it is given first energy to the machine, as it is seen in Figure.13, will come to the screen. Touch slightly on the button to choose the language that you will use in the main page.



Figure.13

2) MAIN PAGE

The screen that it is seen in Figure.14 is main page. You can get at to all pages by clicking buttons here as rapid and easy.

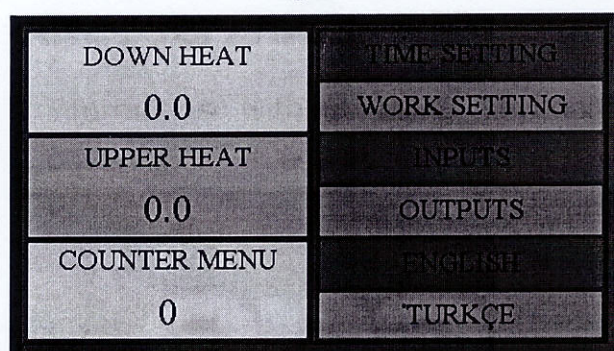


Figure.14

3) TIME SETTINGS PAGE

You can get at this page clicking to time settings button in main page. It is showed machine standard times in Figure.15. In order to increase performance of the machine, time settings can be changed by using keyboard.

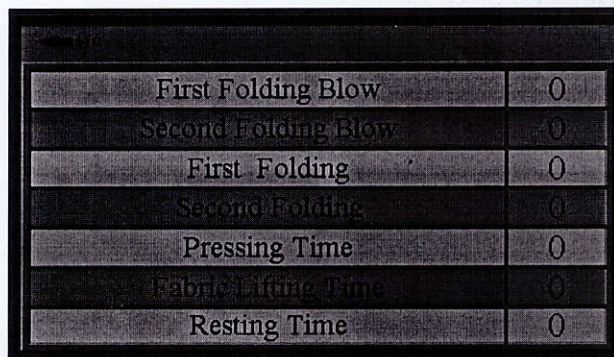


Figure.15

4) HEAT SETTINGS PAGE

In order to make heat setting in the machine, pushing down on "DOWN HEAT" and "UPPER HEAT" buttons in main menu as it is seen in Figure.14, you can in page of heat settings.

Necessary heat value for down heat sheet, push down on "DESIRED HEAT" button in page of down heat settings. (Figure.17)

Real heat is real heat of down heat sheet.

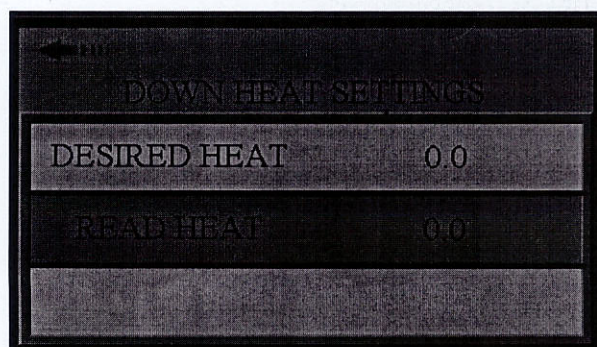


Figure.16

Necessary heat value for upper heat sheet, push down on "DESIRED HEAT" button in page of upper heat settings (Figure.13).

Real heat is real heat of upper heat sheet.

Pushing down on "COUNTER MENU" button in main menu (Figure.13), you can see amount of work that you have fabricated from opening page (Figure.18)

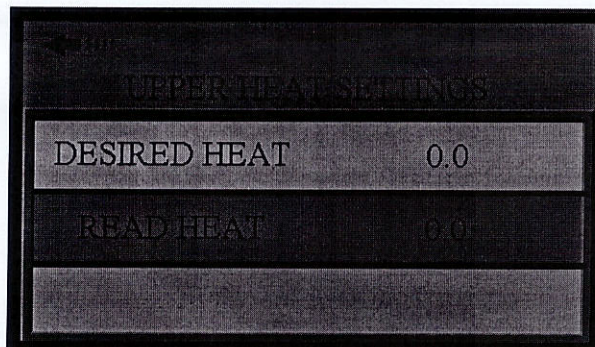


Figure.17

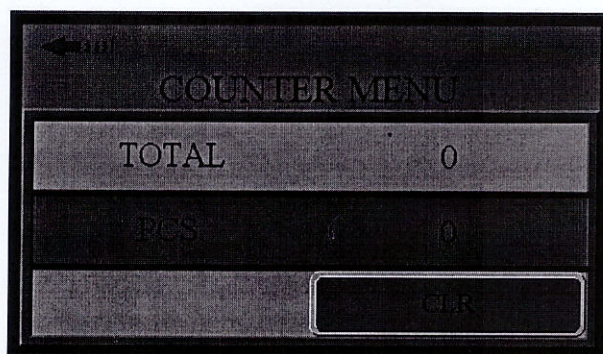


Figure.18



Figure.19



Figure.20

You can find part of the machines are featured as alerter and go through that by pressing. It allows you run correctly the machine.

A-ALARM PAGES

Alarm screen on the machine notifies a malfunction occurring at any point to operator. According to information received here it is intervened in the machine. Alarm informations are deleted automatically when the problem is resolved.

"COMMUNICATING" warning, when it is seen on the screen, this means there is a problem communicating with screen PLC. To resolve this issue;

- Control sockets and communication cable.

"BACK DOOR IS OPEN" warning, when it is seen on the screen, this means back door is open. To resolve this issue;

- Close the back door.
- Control back door switch.
- Control cable connectors.

"URGENT STOP PRESSED" warning, when it is seen on the screen, this means urgent stop button is pressed. To resolve this issue;

- Open urgent stop button to the right.
- Control contacts of urgent stop button.
- Control cable connectors.

"INTERFERENCE TO BARRIER" warning, when it is seen on the screen, this means it interfered to operation area the machine at run. Press the start button again to continue. The machine is a technical problem with the security barrier does not take the start. So consult to technicians trained by EPA.

"MOTOR PROTECTION TRASH" warning, when it is seen on the screen, this means motor protection thermic is trash. To resolve this issue;

- Control motor protection relay in the machine wall box.
- If thermic fused, activate it.
- Although again if thermic fuses, control vacuum motor.

- Control electrical current into the machine.
- Control cable connections.

"CONTROL SENSORS" warning, when it is seen on the screen, to resolve issue; this

- Control sensors over the pneumatic cylinders.
- Control cable connections.

"EXTREME HEATING IN UPPER THERMOSTAT" warning, when it is seen on the screen, this means there is overheating in the upper thermostat. To resolve this issue;

- It can be defective thermocouple that is connected to part 100.003 coded. (Spare parts, CHART-3)
- Relay that controls the resistance can be defective.
- Control cable connections.

"EXTREME HEATING IN BOTTOM THERMOSTAT" warning, when it is seen on the screen, this means there is overheating in the bottom thermostat. To resolve this issue;

- It can be defective thermocouple that is connected to part 100.001 coded. (Spare parts, CHART-1)
- Relay that controls the resistance can be defective.
- Control cable connections.

12-MAINTENANCE

Before starting the part changing of adjustment of EPA machine, ensure that the machine disconnect from compress air, main power source. Add to this, wait cooling of pressing parts of your EPA machine. Through its design, EPA 205 do not need a special maintenance during in use.

By opening front plate of the machine intra engine and collector, clean with air cleaner regularly every day.

If absorption of the cloth is not enough, clean collector filter. Despite filter is cleaned, if absorption of the cloth is not sufficient level, it needs to clean ducts of vacuum. For this consult to your factory trained technicians or to technical services of EPA .

After the machine have been used long time, it is suggested to clean parts of hoarded on its surface.

A-CHANGING GLAZE BREAKER

Ütülenen kumaşların ısıdan dolayı parlama yapmaması için makinenin ütüleme kafasındaki parlaklık giderici teflonu düzenli olarak kontrol edin. Teflonda herhangi bir deformasyon varsa, fabrikanızın eğitim almış teknisyenlerinden ya da EPA teknik servisinden yardım alınız.

For preventing glaze due to the heat of the ironed fabric, control glaze breaker teflon on ironing head of the machine regularly. If there is any deformation of teflon, get help from your factory trained technicians or from technical services of EPA .

13-MALFUNCTIONS AND CAUSES

1. If the iron plates does not heat enough;

- Control sufficiency of the resistance.
- Control sufficiency of thermal sensors.
- Control the electromagnetics switch.

2. If there is an irregular heat;

- Control sufficiency of thermal sensors.
- Control adjusted heat.

3. If there is a incorrect ironing;

- Control adjusted heat is hot enough.
- Control whether the ironing time is too short.

4. If the cloth can not open, while it is moving to ironing area;

- Control vacuum breaker belt.
- Control glaze breaker.
- Control collector filter.

5. If the fabric is crumpled up in turn ;

- Cancel the first packing from screen.
- Control vacuum traction.
- Control air pressure.
- Remove dirt or lint.

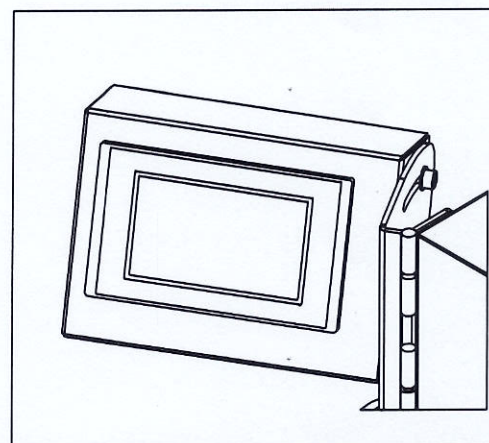


Figure.21

First Folding Blow	0
Second Folding Blow	0
First Folding	0
Second Folding	0
Pressing Time	0
Fabric Lifting Time	0
Resting Time	0

Figure.22

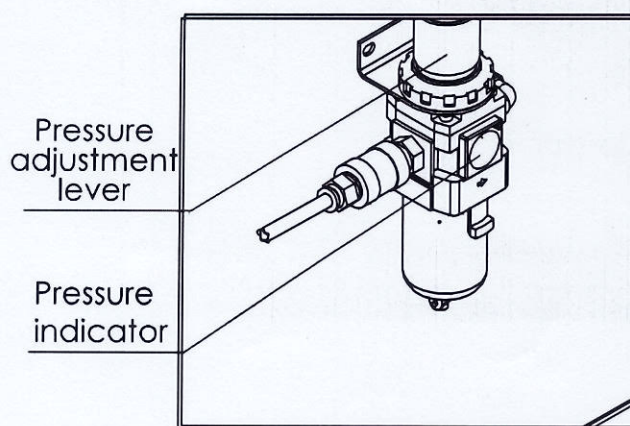


Figure.23

14-SPARE PART CHART

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

1. Machine model and serial no
2. Spare part code
3. Check your code on your spare part chart

Example: **Shirt front placket pressing&creasing machine** model **EPA 205**
serial no ... code ... `part