EPA 405 CUFF FORMING MACHINE



MOD : EPA 405



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 MAKINALARI SAN. TİC. LTD. ŞTİ. BAĞLAR M. OSMANPAŞA CD. NO:59/5 BAĞCILAR İSTANBUL/TÜRKİYE

Ürünün Tanımı Description of the Product/Product Part

Markası Trade Marks

Model/Tip Model/Type

Uygulanabilir AT Direktifi Applicable EC Directives

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

Rapor No & Rapor Tarihi Report No & Report Date : GÖMLEK ÖN PART MAKİNASI SHIRT FRONT PART MACHINE

: EPA AKIN

: EPA SERÍSİ

: 2006/42/AT 2006/42/EC

: TS EN 60204-1

: 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 designe. The certificate shall lose its validity in case of any changes in the product.

Sertifika Yayın Tarihi : 12.11.2016 Certificate Issue Date Geçerlilik Tarihi : 12.11.2019 Validity Date

11.2016 11.2019

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	EC Declaration of Conformity
We EPA TEKNOLO	Uİ VE OTOMASYON MAKİNALARI SAN. TİC.LTD. ŞTİ.
Of Ikitelli OSB. Muts	an Sanayi Sitesi 4.Blok No: 17-19-21 BAŞAKŞEHİR/ISTANBUL/TURKEY
in accordance with t	he 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 HE
	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 Editio	n/date : M-LVD-713/13, 04.11.2013
Applicable harmonia	zed Standards : TS EN 60204-1
E	PA TECNOLOJI VE OTGMASYON MAKIMALAFII SADA TO'LTD. STI. LO.S.B. Mundulsan, Sit. 4. Blok

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LABEL INFORMATIONS

Machine name	CUFF FORMING MACHINE
Туре	EPA 405
Serial number	
Production date	
Voltage	220 V
Power	1,5 Kw
Weight	160 Kg
Operation pressure	4-6 Bar



02-GENERAL FEATURES

A-CHARACTERISTICS AND APPLICATION AREAS

EPA 405 cuff forming machine, it is used at ironing cloths as shirt, blouses. 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.

The machine forms perfectly on shirt and blouse cuffs with the new pressing system.

It provides the best results on cuff corner through automatic mould-carrier.

It provides standard production through adjustable pressing and electronic temperature timer.

You can adjust severally the temperature time and pressing value of 1st and 2nd pressing cycle.

It is able to work as in single or double press procedure.

It is changed the moulds easy and quick.

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

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

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

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 responsility 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 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 orginal EPA parts. EPA is not responsible occurs from accidents in case of using unorginal 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 maintanance, 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 maintanance, adjustment or changing.

Absolutely clean the machine regularly.

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



Machine runs with electropneumatic system.

-Adjustable pressing.

-PLC control system.

-Electronic temperature control.

-Adjustable pressing time. (For

-Running property single or double printed.

-Possibility mould changing high speed (1th and 2nd press severally)

-Dimension: 97x121x126 cm.

-Capacity: 250Pcs/hr

05-LIFTING AND TRANSPORT

EPA 405 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.



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 maintanance needed blank during machine setup so as to provided. Machine has to be replaced over stiff and plain surface.



Replace the machine over smooth and steady. And as it 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.



4

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.(Figure.4-L)
- 2. Open air valve and ensure the pressure indicator (Figure.4-M) shows 6-7 Atm. If it needs, adjust air pressure by using regulator.
- 3. Provide 220 voltage energy to the machine.
- 4. Bring main power switch to I position. (Figure.4-A)
- 5. Enter heat is required to thermostat (Figure.4-G).
- 6. Do time settings of the machine as it is seen in Chapter.11.
- 7. Observe urgent stop button (Figure.4-K) is open.
- 8. If you will work at 1th press; provide to be 1th and 2nd press on/off button (Figure.4-N) is at I position.



- 9. If you will work at 2. press; turn 1th and 2nd press on/off button (F) clockwise. And bring the button to 2nd position that is at pressing.
- 10. Replace the cuff you will iron to mould (K) at the side of you will iron.
- 11. If you will do ironing at right side, after you replaced the collar to mould, hold the cloth with your right hand tightly by pushing to right turnbuckle pedal.
- 12. Hold on right start button (C) until right pressing will become part of an activity.
- 13. If you will do ironing at left side, after you replaced the collar to mould, hold the cloth with your right hand tightly by pushing to left turnbuckle pedal. If a malfunction occurs, you can cancel the turnbuckle by pushing again to pedal.
- 14. Until the right pressing to become a part of an activity, hold down the left start button (D) with your right hand.
- 15. When ironing process is over, you can go on ironing by replacing again cloth.

11-TIME SETTINGS

A-Setting the 1th Pressing Time

-During these operations energy must be provided to the machine.

-Make sure that urgent stop button (Figure.5-A) is open.

-Turn the 1th and 2nd on/off buttons to the left.

-On each pressing of time entering button (Figure.5-C), 1. pressing time increases 1 second.

B-Zeroizing the 1th Pressing Time

-For this opeation you must provide enough energy for your machine.

-Make sure that urgent stop button (Figure.5-A) is open.

-Turn the 1th and 2nd on/off buttons to the left. (Figure.6)

-Push Time Entering Button (Figure.6-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.6)



Figure.5



Figure.6



C-Setting the 2nd Pressing Time

-During these operations energy must be provided to the machine.

-Make sure that urgent stop button (Figure.5-A) is open.

-Turn the 1th and 2nd on/off buttons to the left. (Figure.7)

-On each pressing of time entering button (Figure.7-C), 1th pressing time increases 1 second.

D-Zeroizing the 2nd Pressing Time

-During these operations energy must be provided to the machine.

-Make sure that urgent stop button (Figure.5-A) is open.

-Turn the 1th and 2nd on/off buttons to the right. (Figure.7)

-Push Time Entering Button (Figure.7-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.7)

12-MAINTENANCE

Before starting machine maintanance, 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 405 does not required special maintanance on using process becouse of its logical design.

13-MALFUNCTIONS AND CAUSES

1-If ironing plates do not heat up enough;

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

2-If ironing form is out of order;

- Control the mould.(Figure.8 B-C)
- Control connections of the mould. (Figure.8 B-C)
- Control air pressure.(Figure.9 D)
- Control the heating resistances.
- Control mould cylinders.

3- If there is a irregular temperature;

- Control the thermal sensors efficiency. (Figure.10 G)
- Control the adjusted heat.(Figure.9 E)

4-The machine is doing faulty ironing;

- Control that adjusted heat is hot enough.(Figure.9 E)
- Control whether ironing time is too short.

5-If ironing plates do not move;

• Control mould carrier cylinders.

6-If blowing is out of order;

- Control the blowing valve.
- Control unions at base of the mould. (Figure.10 G)



Figure.8



Figure.9



Figure.10

14-SPARE PART CHARTS

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

Machine model and serial no

Spare part code

Check your code on your spare part chart.

Example : Cuff Forming machine Model EPA 405 Serial no Code 'part



















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×	•	X	X2	X3	X4	↓ ≫ DVP	↓ ≫ 2-14SS2 PL	C INPUTS	X20	X21	X22	X23 •	
030<0VDC>	KIGHI SIAKI	RIGHT BACK SWITCH	RIGHT FORWARD SWITCH	RIGHT PEDAL	LEFT START	LEFT BACK SWITCH	LEFT FORWARD SWITCH	LEFT PEDAL	URGENT STOP	1TH PRESS	2ND PRESS	TIME INPUT	
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