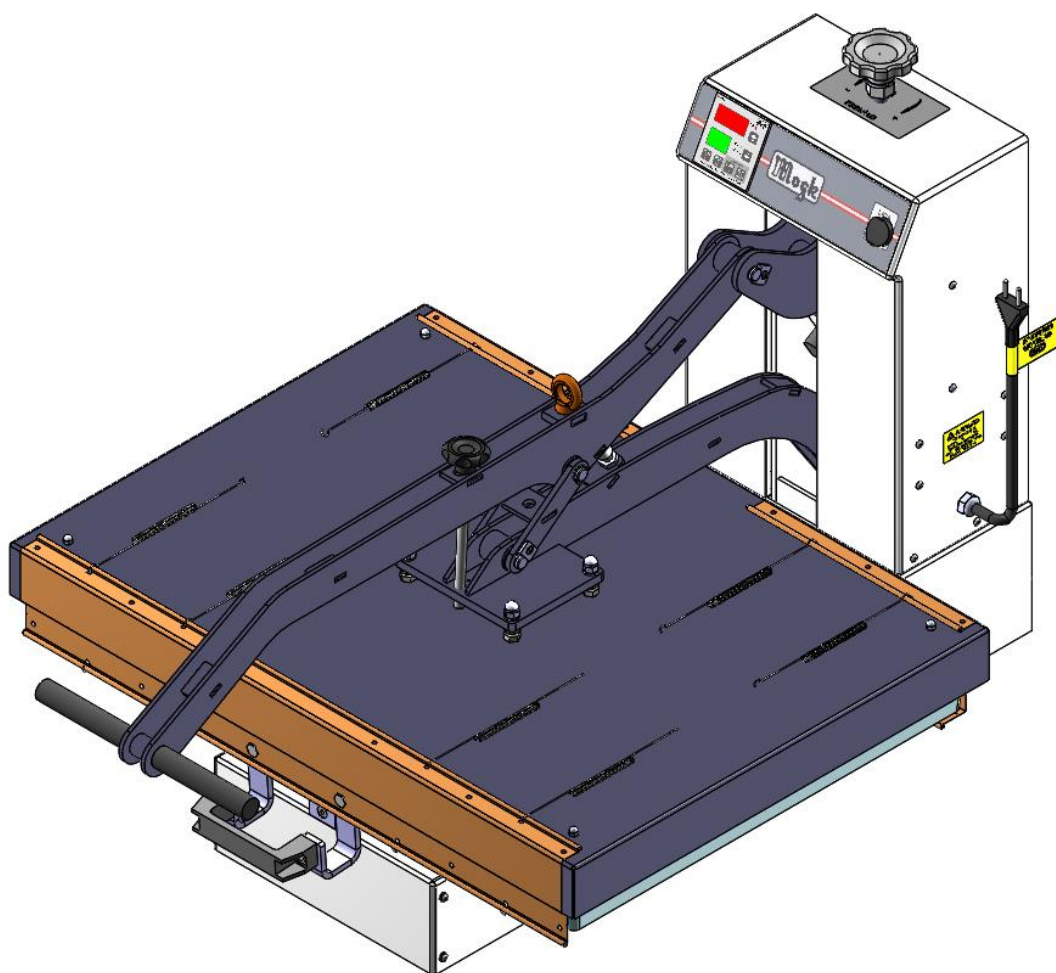




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HEAT PRESS MODEL PTM-80



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1 SECURITY INSTRUCTIONS

This manual provides the necessary information for the proper use and handling of the equipment. Read carefully before installing and powering it up.

1.1 Safety Warnings in the Manual Contents

This manual presents safety warnings like this:

	<p>REGULATION</p> <p>Take a look on the operating instructions.</p>
	<p>DANGER!</p> <p>There are risks of you losing your life if instructions are not followed.</p>
	<p>WARNING!</p> <p>Don't make any modification on the equipment.</p>
	<p>ATTENTION! (TEMPERATURE)</p> <p>The disregard of the procedures described in this notice may result in damage to your health.</p>
	<p>DANGER! (ELECTRIC CURRENT)</p> <p>There are risks of you losing your life if instructions are not followed.</p>

1.2 Security Warnings on the Equipment

The following symbols can be displayed on the equipment, serving as a security warning.



RISK OF ELECTRIC SHOCK

Presence of electricity, there are risks of you losing your life if the security methods are not followed.



DANGER!

Only people with technical qualifications are authorized for installation, operation and maintenance on this equipment. Must be followed all safety instructions in this manual. Disregard this warning may result in life-threatening and / or serious damage.



GROUND!

This device has three pins the power cord, is the customer's responsibility have the proper outlet grounded to the center pin to prevent electrical shock and possible damage to the equipment.



HOT SURFACE

hot surface existence

2 INTRODUCTION

2.1 Mogk Quality Policy

"Satisfy the customer, improving our machines, electrical resistance and quality management system, with trained staff and evaluating suppliers."

2.2 Mogk Customers

You have just purchased your Heat Press **PTM-80**, one more product with the quality and technology Mogk. Which incorporates modern concepts of design and architecture.

To make the most of all available resources and a better performance of your equipment, please! Read this technical manual before using the equipment.

We expect the performance of this product exceeds your expectations.

2.3 About the Equipment

The **PTM-80** is a versatile machine with manual pressing suitable for application on:

- Transfers silk screen;
- Lithography;
- Embroidery adhesives;
- Print finishing;

2.4 About Manual

This manual describes how to install, put into operation, operate and identify equipment problems. For questions and inquiries please contact:

Mogk Industry and Trade Machines Limited.

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mogk@mogk.com.br

3 GENERAL INFORMATION

We recommend that all people involved in the use of the equipment are aware of this manual, read it, will influence the performance and maintenance of the machine quality.

There are confidential content in this manual, drawings and technical instructions. Therefore, Mogk reserves the copyright, dissemination and use of it, should not such acts be carried out without our prior written permission.

If you have problems using the machine, let us know. We wish success full in his work.


3.1 Receipt and verification

On receiving the equipment, check:

- If the data and the machine model are as requested;
- damage due to handling bad, on transportation;
- If any of the above items are not in compliance, please contact us immediately;

3.2 Identification

The equipment has a nameplate containing general information about it.

 IND. E COM. MÁQUINAS LTDA RUA 2 DE SETEMBRO, 2877 CEP: 89.052-002 BLUMENAU - SC CNPJ: 82.657.255/0001-96 FONE: (47) 3323 5844 INDÚSTRIA BRASILEIRA mogk@mogk.com <small>18310 Rev.01</small>	Modelo:		→ Equipment Model
	Potência (kW):		→ Power Rating
	Corrente (A):		→ Electric current
	Tensão (V):		→ Voltage
	Freq. (Hz):		→ Frequency
	N° Série:		→ Serial Number
	Ano de Fab.:		→ Year of manufacture
	O.P.:		→ Order of Service
	Peso (Kg):		→ Weight

4 INSTALLATION

Install the **PTM-80** on a level surface, without the presence of aggressive agents.

See technical specifications for installation on page 11.

4.1 Operation of machine



The following procedures should be performed with the top platen in the open position:



Put the machine plug into a (110V or 220V) socket, as page 11 indication; Turn on the circuit breaker located in the rear of the machine; (Fig.2) Turn on the on/off switch located on the front of the machine as indicated (Fig.1)



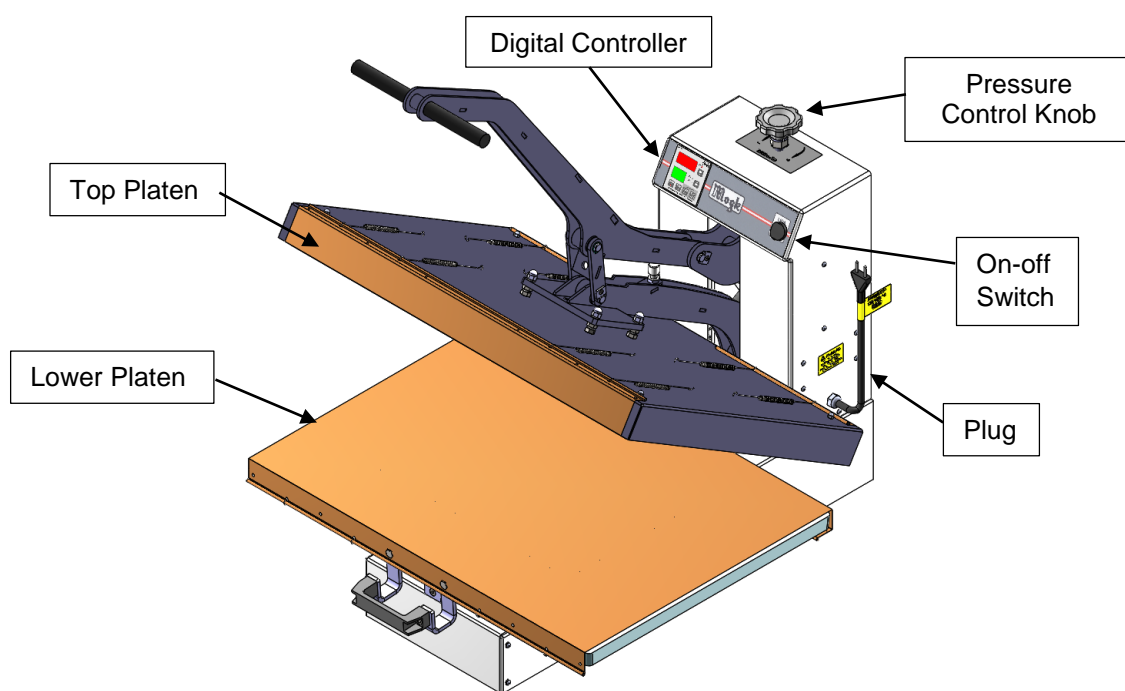
To set the process parameters (temperature and time) perform the adjustment by digital control panel. Select the temperature (Fig 3-3.) to be achieved by the top platen, when it achieved the selected temperature the LED indicator turns off; (Fig.3-11). Set the pressing time (Fig.3-4).



Put the material to be process in the lower platen and positioning the transfer paper with the picture facing the material, close the top platen and wait the time selected in the digital controller;

At the end of the programmed time the LED turns off, the display flashes and the alarm sounds indicate the end of the process. Put the top platen in the open position and remove the material;

Figure 1. PTM-80 with top platen in open position



4.2 Pressure Control

The **PTM-80** has a manual system of pressure regulation, developed exclusively by Mogk engineering for the purpose of convenience and flexibility in operation, this system is located at the top of the machine. (Fig.1)



The following procedures should be performed with the top platen in the open position:

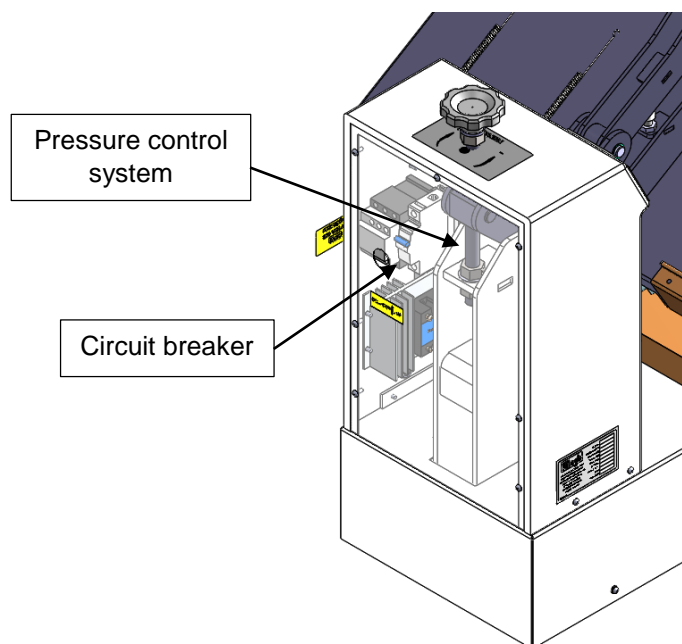


Set the desired pressure by turning the knob a half turn at a time;

Turning the knob clockwise to increase the pressure;

Turning the knob counter-clockwise reduces the pressure;

Figure 1 –PTM-80 Rear View



4.3 Control Panel - Programming Parameters

The **PTM-80** has a programmable digital controller by the operator, this equipment provides the control of temperature and time. (Fig.3)











ATTENTION!



The following procedures should be performed with the top platen in the open position:



Turn on the equipment:

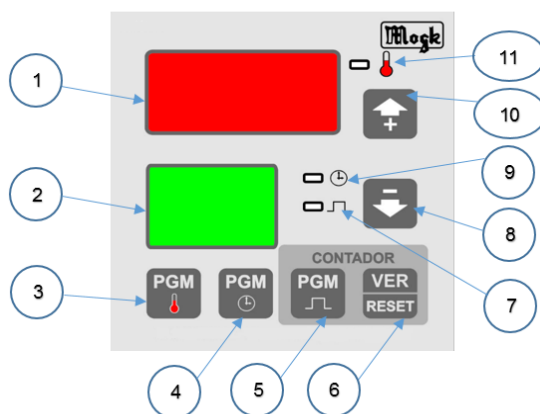
Press the button  for three seconds to access the temperature parameter, press the keys   to adjust the desired value, after selection, press  key to save and exit.

Press the button  for three seconds to access the pressing time parameter, press the keys   to adjust the desired value, after selection, press  key to save and exit.

The digital controller has “part counter” function, to see the value, press   on the display to see the elapsed count. To reset the elapsed count, restart the equipment.

For more information about the digital controller, see attachment I.

Figure 3 - Digital controller



- 1- Display that indicate the temperature parameter, the temperature measured in the heated platen and the elapsed part count.
- 2- Display that indicate the pressing time parameter and the pressing time elapsed.
- 3- Temperature set key.
- 4- Time set key.
- 5- Counter set key.
- 6- Key to visualize and reset the counter.
- 7- Counter LED, indicate that the counter value is being displayed.
- 8- Decrease key, press to decrease de chosen parameter.
- 9- Timer LED, indicate that the timer is active.
- 10- Increase key, press to increase de chosen parameter.
- 11- Temperature control LED, indicate that the temperature control output is active.

5 MAINTENANCE



ATTENTION!

Maintenance should be performed by a qualified professional.



DANGER!

Always disconnect the power cord to the power source before any maintenance.



GROUND

We suggest always having the equipment grounded.



HOT SURFACE

Before any maintenance make sure that the machine is cold.

5.1 Cleaning



DANGER!

Always disconnect the power cord to the power source before any maintenance.



DANGER!

Before any maintenance make sure that the machine is cold.

To clean the equipment we recommend using a soft cloth moistened with mild detergent. **Never use solvents** (benzenes, ketones, etc.) which can damage the material.

5.2 Spare parts

If the replacement of any part is necessary, should be used ORIGINAL PARTS. All equipment is sold with a nameplate that is very important, it contains the serial number of the equipment. When requesting spare parts or repair quote this information.

5.3 Technical assistance

The Mogk Industry and Trade Machines Ltda. Provides technical assistance services to its customers even if the equipment warranty period has expired. To request the service contact through our communication channels. Costs will be reduced if the service is requested in advance. The Mogk can program and serve more than one customer by region.



DANGER!

Only people with technical qualifications are authorized for installation, operation and maintenance of this equipment. Must follow all safety instructions in this manual. Disregard this warning may result in life-threatening and / or serious damage to property.



WARNING!

Not change any parts of the equipment for your safety.

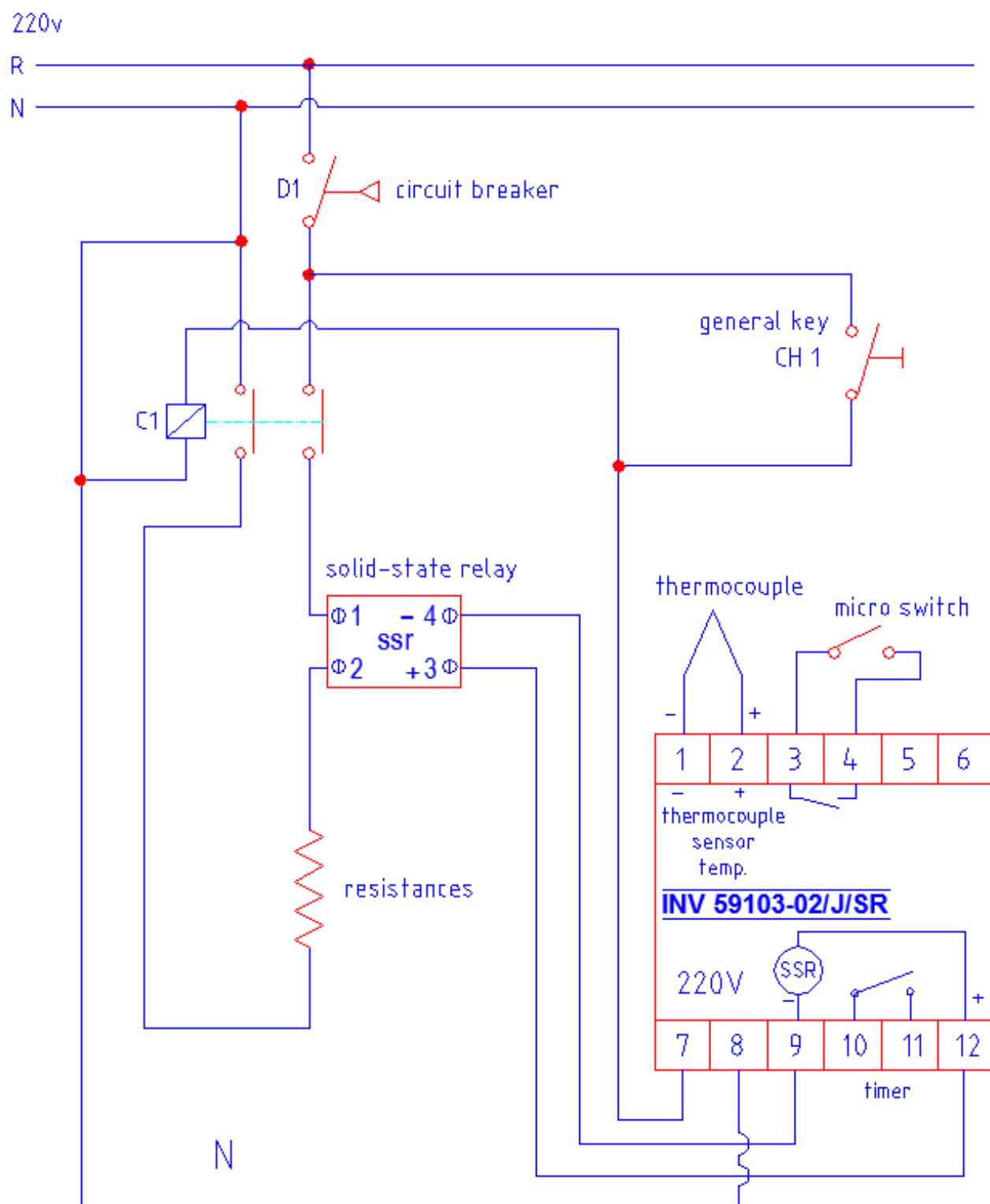
6 TECHNICAL DATA AND INFORMATION

VOLTAGE	ELECTRIC CURRENT	CIRCUIT BREAKER	CONDUCTOR PHASE / NEUTRAL
220V MONOPHASE	20 A	25 A	2,5 mm ²
FREQUENCY			60 Hz
ELECTRIC POWER			4400 W
TEMPERATURE CONTROL RANGE			0° A 255°C

	WITH WORKBENCH	NO WORKBENCH
WEIGHT	118 Kg	104 Kg
HEIGHT	131 cm	65 cm
DEPTH	107 cm	107 cm
WIDTH	82 cm	82 cm

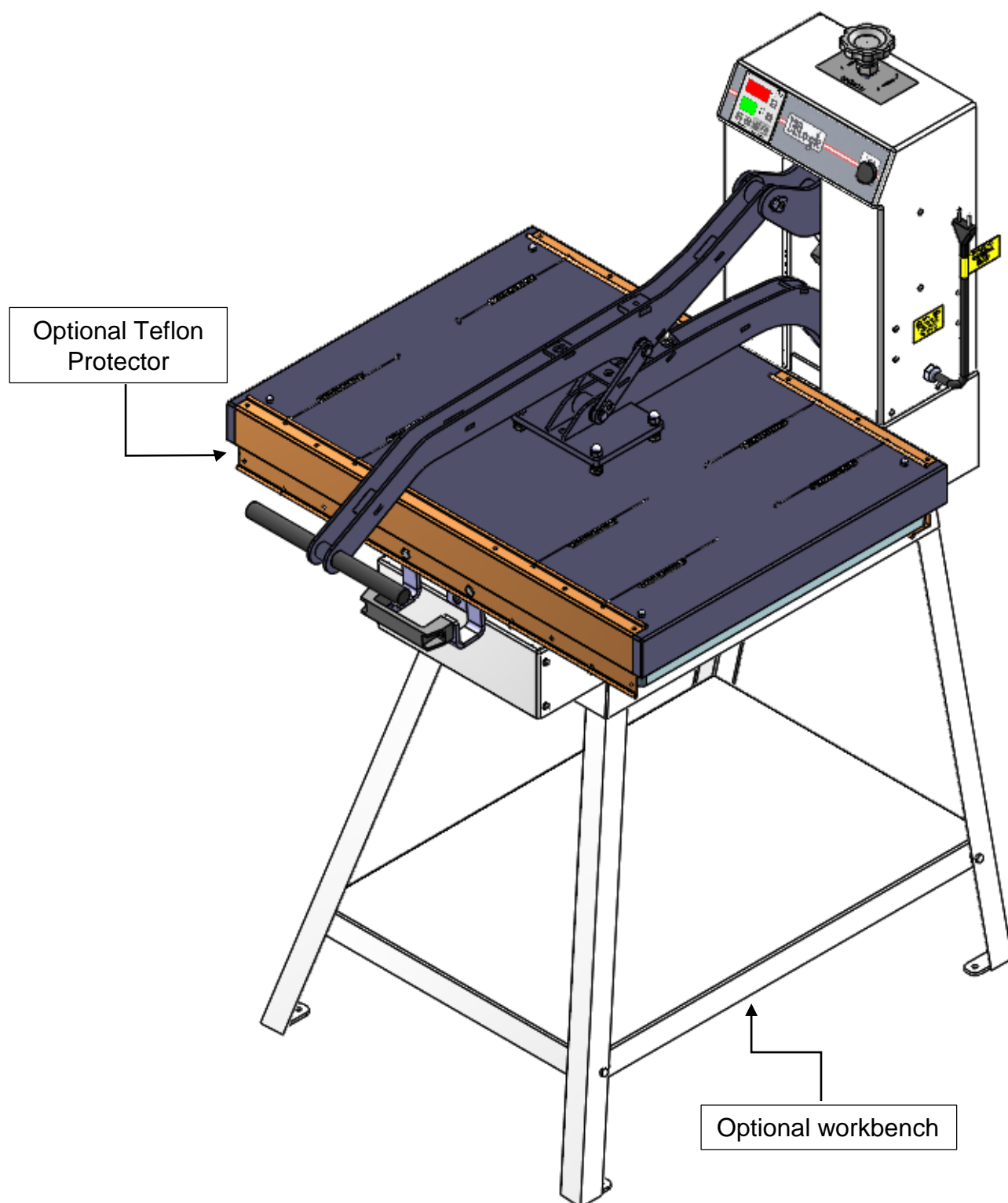
AREA	65 X 80 cm
TYPE OF PRESSURE ADJUSTMENT	MANUAL
MAXIMUM FORCE SUPPORTED ON THE PRESSING LEVER	60 Kgf
TYPE OF PAINTING	ELECTROSTATIC
PLATENS MATERIAL	ALUMINUM
WORK ENVIRONMENT TEMPERATURE	0° A 50 °C

7 ELECTRICAL SCHEMATIC



8 ASSEMBLY DRAWINGS AND SPARE PARTS

8.1 PTM -80 With Top Platen Heating

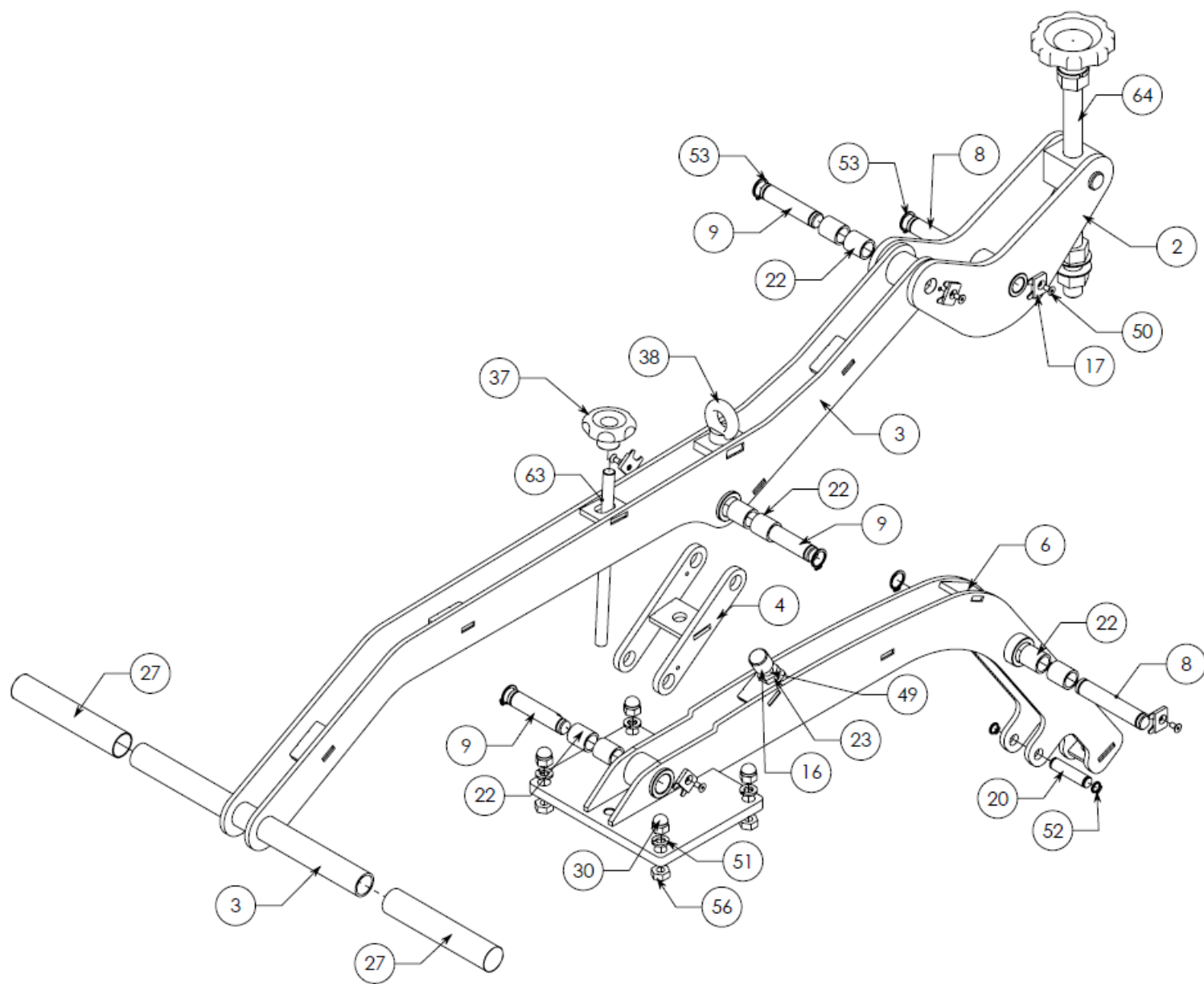


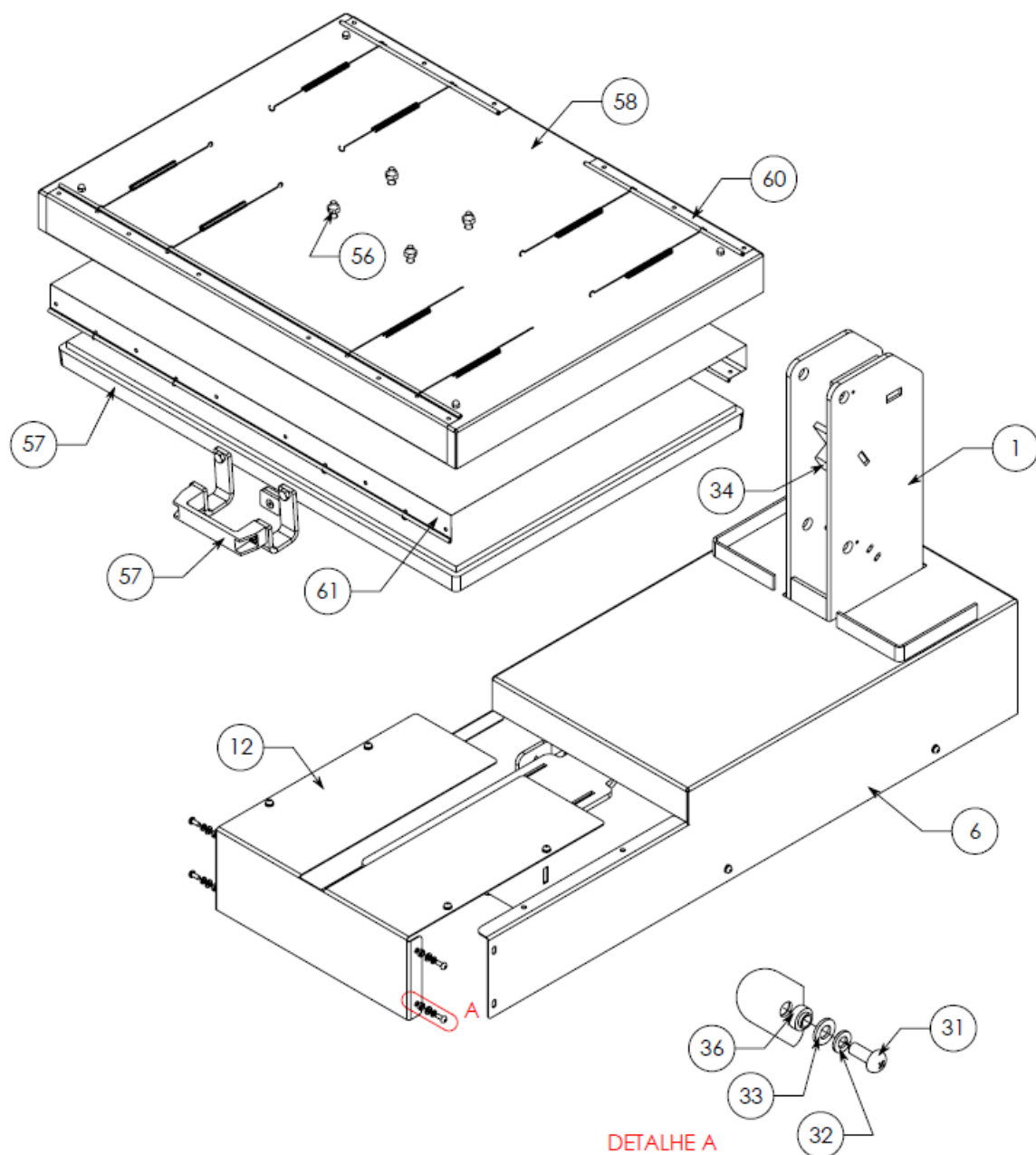
8.1.1 Parts list

Nº DO ITEM	Nº DA PEÇA	DESCRICAO	QTD.
1	13230	SOLDER MOUNTING STRUCTURE	1
2	13234	TENSIONER ASSEMBLY	1
3	13250	UPPER ARM ASSEMBLY	1
4	13255	LOCKING TIE ROD	1
6	13238	SOLDER MOUNTING OF LOWER ARM	1
6	14129	CHASSIS PROTECTION ASSEMBLY	1
7	0108	CONTACTOR SUPPORT	1
8	0870	JOINT SHAFT Ø14x78mm	2
9	0869	JOINT SHAFT Ø14x64mm	3
10	13331	MOUNTING PLATE OF MICRO SWITCH	1
11	11034	SPRING THAT HOLDS DE ARM	1
12	14112	FRONT COVER	1
13	5726	FAIRING	1
15	13171	FAIRING COVER	1
15	10067	HEAT SINK	1
16	0087	JOINT BUMPER	1
17	17041	LATCH FROM JOINT SHAFT	5
18	17664	SPACER SLEEVE FROM SHOCK ABSORBER	2
19	0079	UPPER JOINT SHAFT FROM SHOCK ABSORBERR	1
20	17697	LOWER JOINT SHAFT FROM SHOCK ABSORBER	1
22	00768	VEHICLE DIRECTION CUSHION 22002	1
22	25528	IGLIDUR BUSHING MSM-1418-20	8
23	21766	HEX HALF NUT M10x1,5mm	1
24	00429	MICRO SWITCH WITH ROLLER	1
25	03436	PHILLIPS ROUND SCREW M4x12mm	2
26	02501	PHILLIPS ROUND SCREW M4x16mm	2
27	00963	BICYCLE GRIP	2
28	02544	HEX NUT M10	1
29	14072	SPRING WASHER M10	1
30	14469	CAP NUT STAINLESS M8	4
31	10205	PHILLIPS ROUND SCREW M4x10mm	30
32	22949	SPRING WASHER M4	12
33	02584	FLAT WASHER M4	12

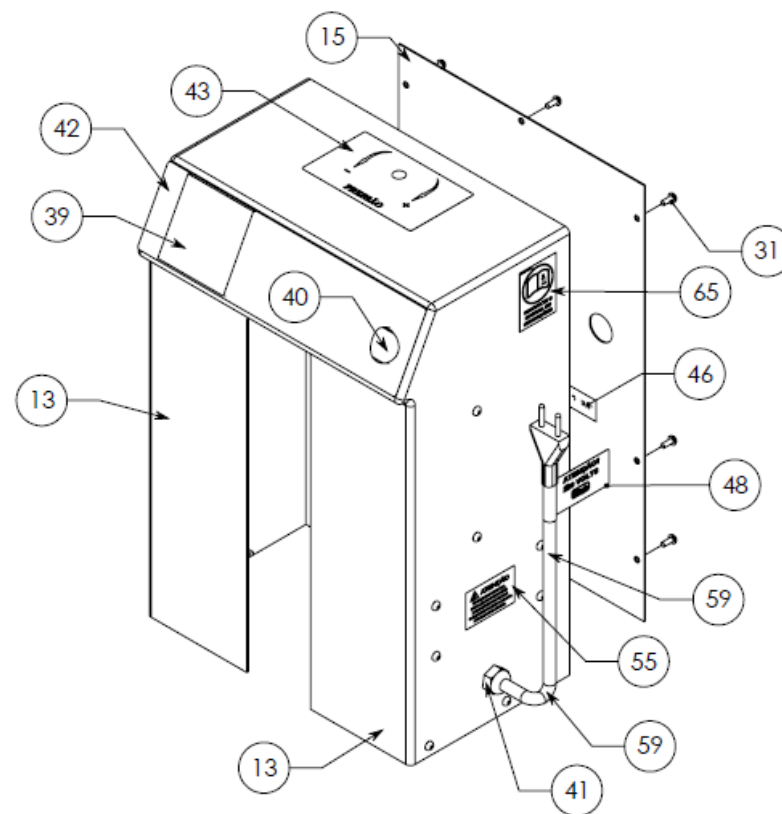
Nº DO ITEM	Nº DA PEÇA	DESCRICAO	QTD.
34	17654	RUBBER BUMPER 24,5 x 24,5 x 31 M5	1
35	25747	EYE BOLT OPA- 444-10-100	1
36	09247	SELF CLINCHING NUT M4	8
37	00952	LOBE KNOB FEMALE Ø45 M10	1
38	13093	EYE BOLT DIN 580 - M8	1
39	26809	TEMPERATURE CONTROLLER INV-59103-02/J/SR	1
40	00418	ELECTRICAL SWITCH 6A M9FT8FE2S	1
41	11179	CABLE GLAND BSP 3/8"	1
42	02598	CONTROL PANEL ADHESIVE 0148 003	1
43	02600	PRESSURE REGULATOR ADHESIVE	1
44	00259	CONTACTOR TESYS D 9A 1NA+1NF 220 VCA (LC1D09M7)	1
45	00302	CIRCUIT BREAKER 3KA 1 POLE B25A 400VCA	1
46	14080	CIRCUIT BREAKER ADHESIVE (0148-017)	1
47	00363	SOLID STATE RELAY SSR-40A	1
48	02601	ATTENTION 220V ADHESIVE (0148-010)	1
49	21138	THREADED ROD M10x36mm	1
50	05575	FLAT HEAD SOCKET SCREW M4x8mm	5
51	17223	SPRING WASHER M8	4
52	02730	RETAINING RING DIN-471 8mm	4
53	02134	RETAINING RING DIN-471 14mm	5
54	02537	HEX NUT M3	2
55	02918	GROUND ADHESIVE (0148-048)	1
56	02543	HEX NUT M8	8
57	13228	UPPER PLATEN ASSEMBLY	1
58	13235	LOWER PLATEN ASSEMBLY	1
59	17189	WIRE WITH PLUG 3 POLE 1,50mm - 10A	1
60	17677	TEFLON PROTECTOR OF HEATED PLATEN	1
61	17694	TEFLON PROTECTOR OF COLD PLATEN	1
62	14607	IDENTIFICATION ADHESIVE (0148-019)	1
63	03092	THREADED ROD M10x175mm	1
64	22384	PRESSURE REGULATOR ASSEMBLY	1
65	27733	READ THE INSTRUCTION GUIDE ADHESIVE	1



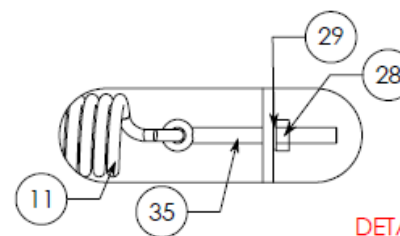
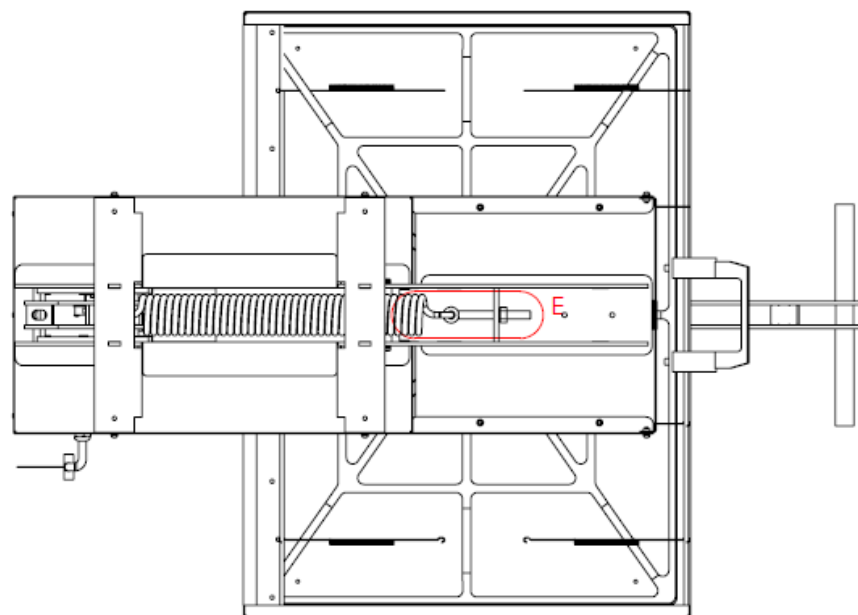




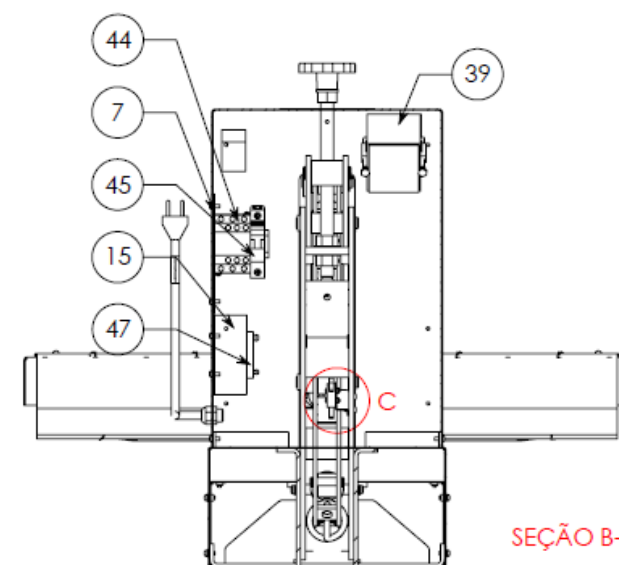
DETALHE A
ESCALA 2 : 3



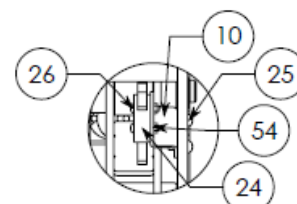
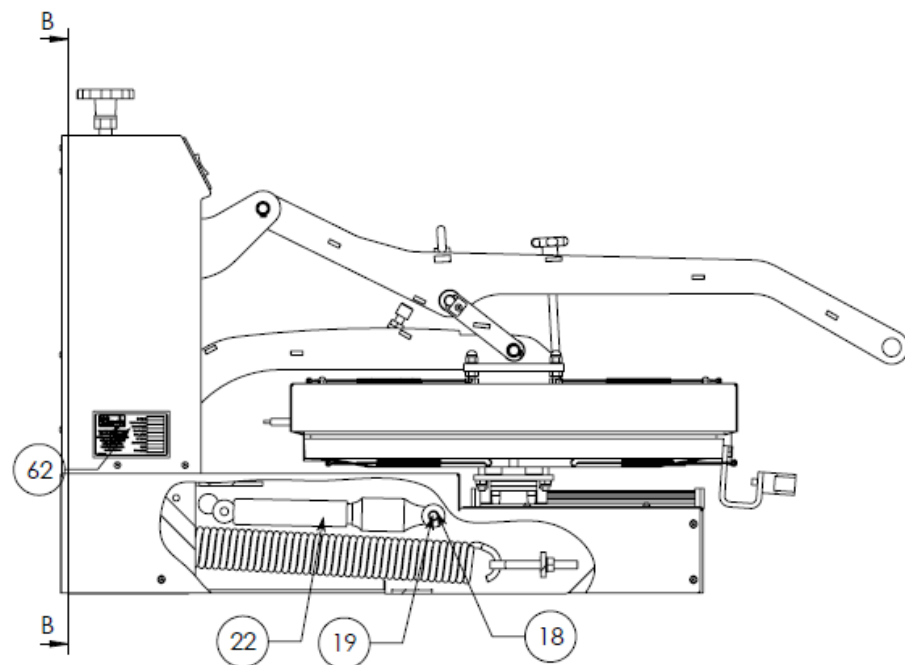
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DETALHE E
ESCALA 2 : 6.5

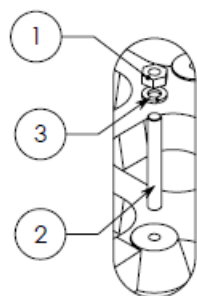


SEÇÃO B-B

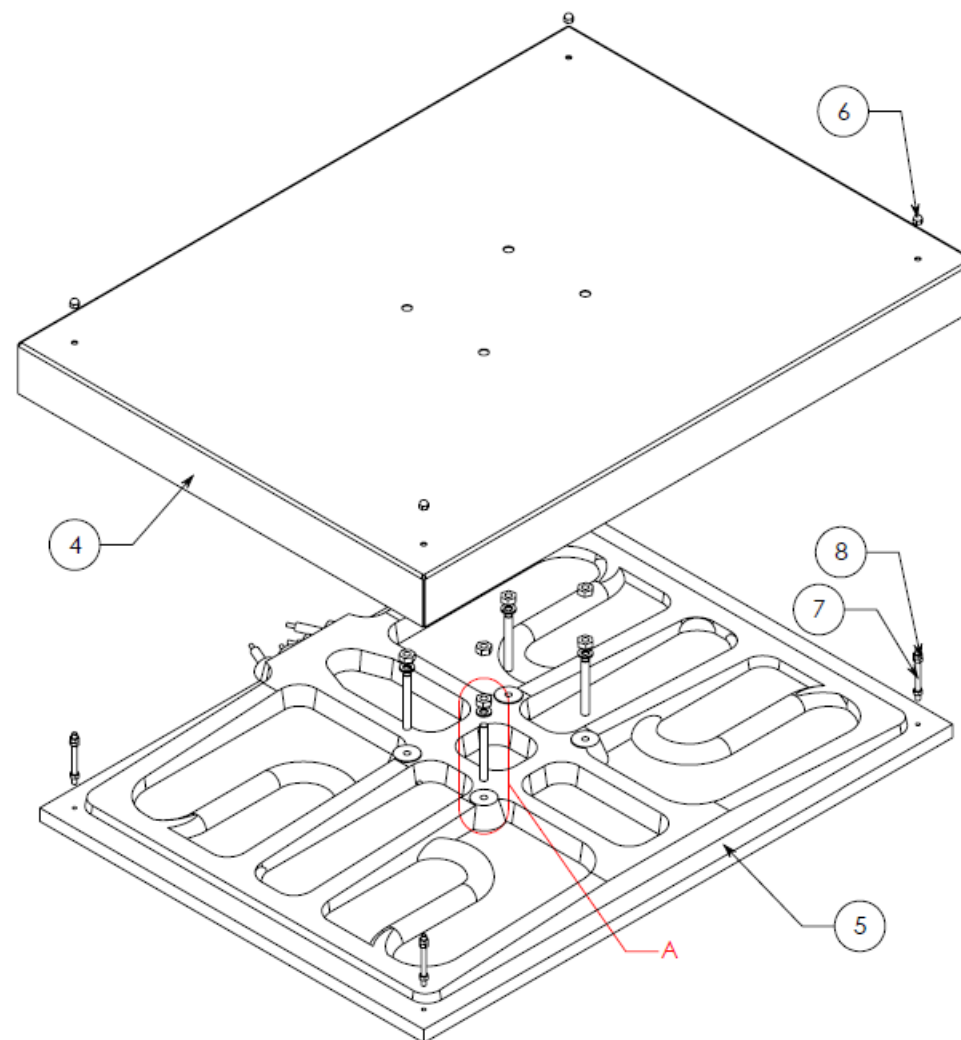


DETALHE C
ESCALA 2 : 6.5

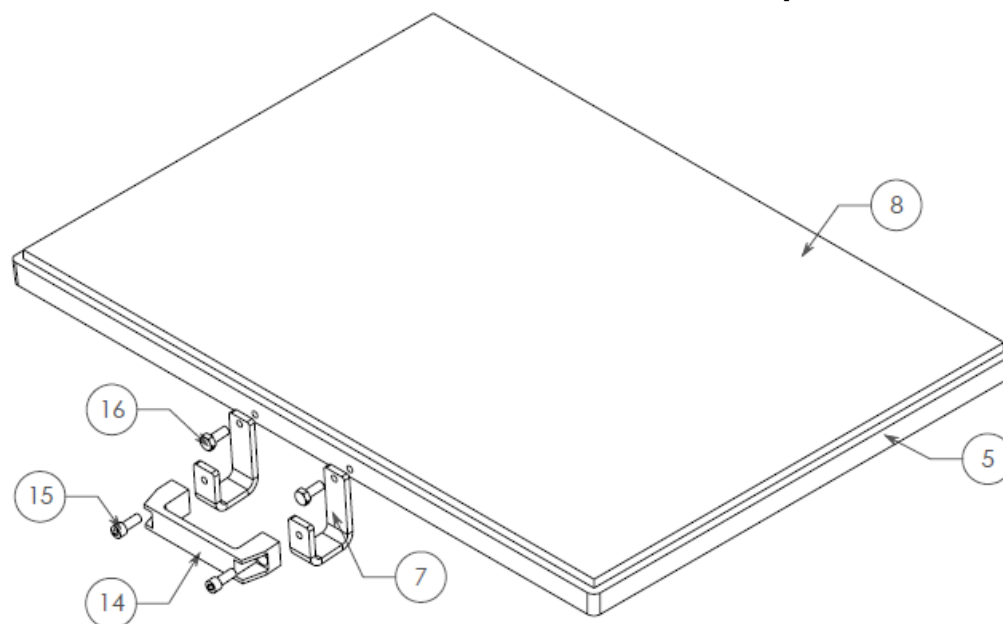
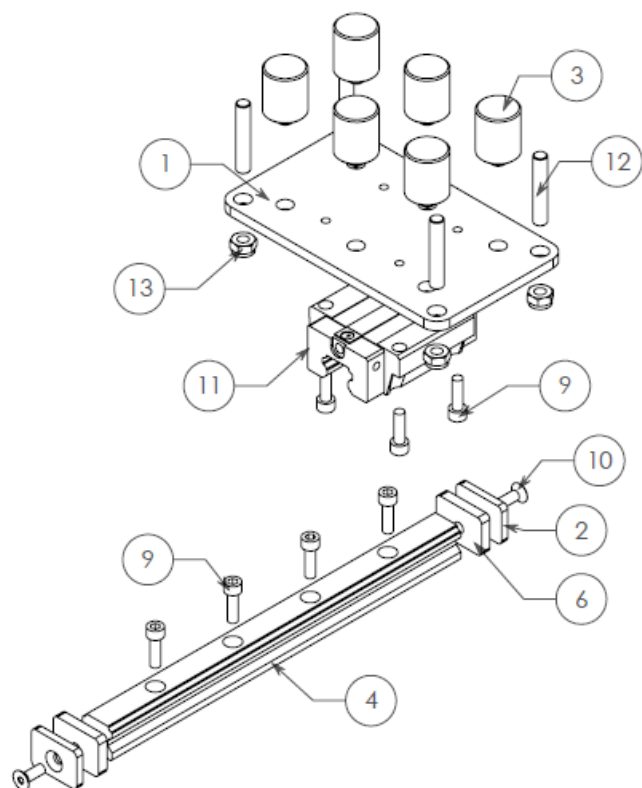
8.1.2 Top platen assembly



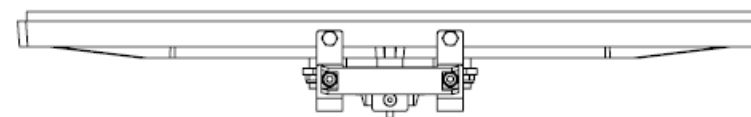
DETALHE A
ESCALA 1 : 3



Nº DO ITEM	Nº DA PEÇA	DESCRICAO	QTD.
1	02543	HEX NUT M8	8
2	17700	THREADED ROD M8x65mm	4
3	17223	SPRING WASHER M8	4
4	11019	UPPER PLATEN PROTECTION	1
5	11813	HEATED PLATEN ASSEMBLY	1
6	19877	CAP NUT STAINLESS M5	4
7	2221	THREADED ROD M5x60mm	4
8	02540	HEX NUT M5	12



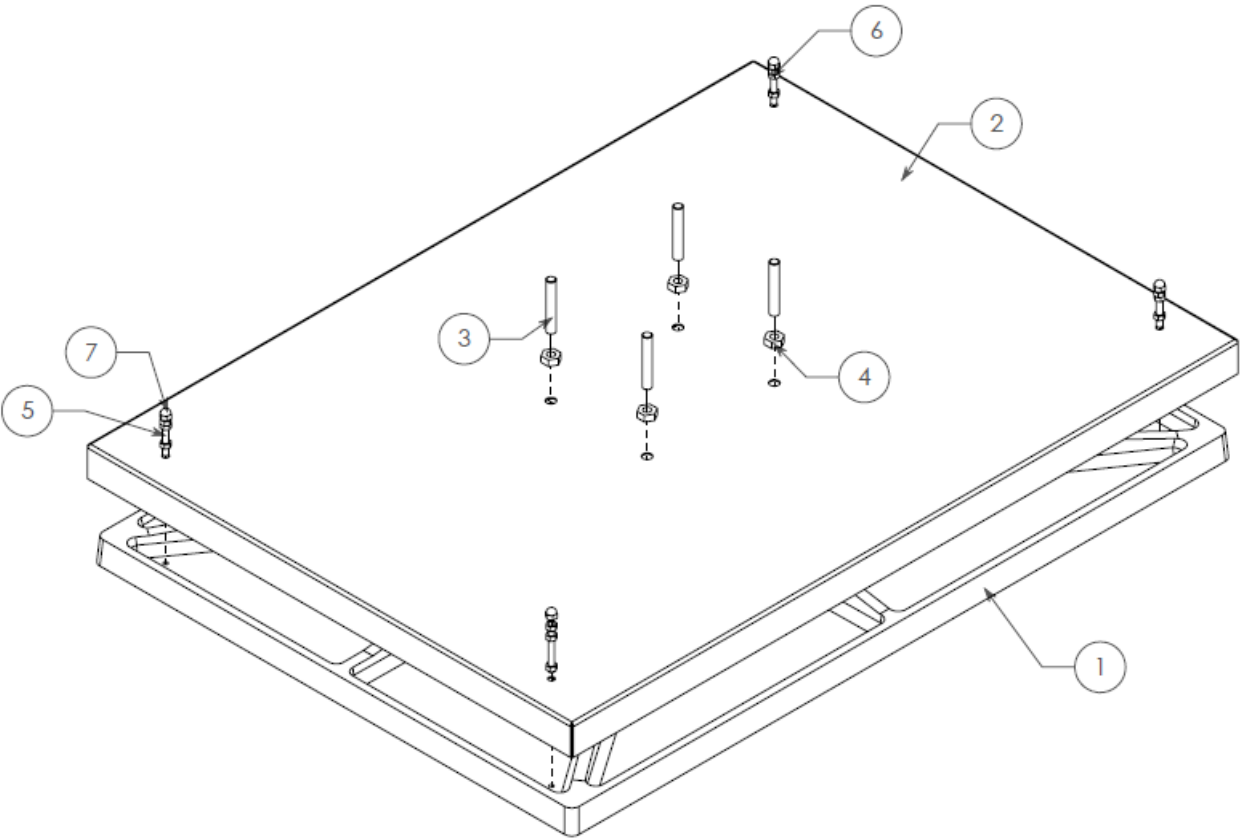
8.1.3 Lower platen assembly



Nº DO ITEM	Nº DA PEÇA	DESCRICAO	QTD.
1	11018	SUPPORT FROM LOWER MOLD	1
2	11029	STOP BRACKET	2
3	11037	LOWER PLATEN CUSHION	6
4	11033	LINEAR GUIDEWAY- RAIL	1
5	11036	LOWER PLATEN	1
6	16964	CUSHIONING BRACKET	2
7	17047	BRIDGE HANDLE SUPPORT	2
8	24675	RUBBER SHEET 650x800x9,525mm	1
9	02281	SOCKET HEAD CAP SCREW M6x20mm	8
10	02261	FLAT HEAD SOCKET SCREW M6x16mm	2
11	25850	LINEAR GUIDEWAY - BLOCK HGW-25-CC-ZA-C	1
12	02223	THREADED ROD M8x45mm	4
13	02555	SELF LOCKING NUT M8	4
14	05499	BRIDGE HANDLE	1
15	02290	SOCKET HEAD CAP SCREW M8x20mm	2
16	02369	HEX CAP SCREW M8x20mm	2

8.2 PTM-80 With Lower Platen Heating

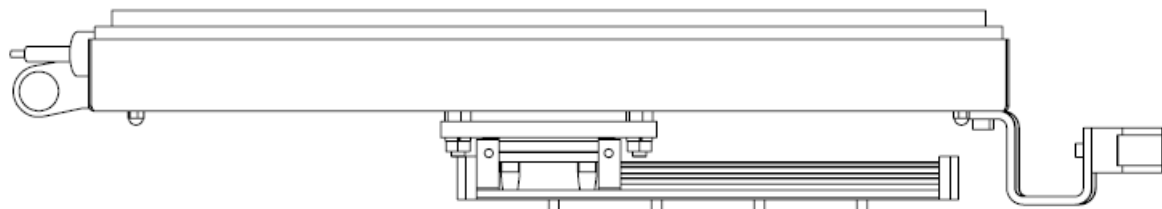
8.2.1 Top platen assembly



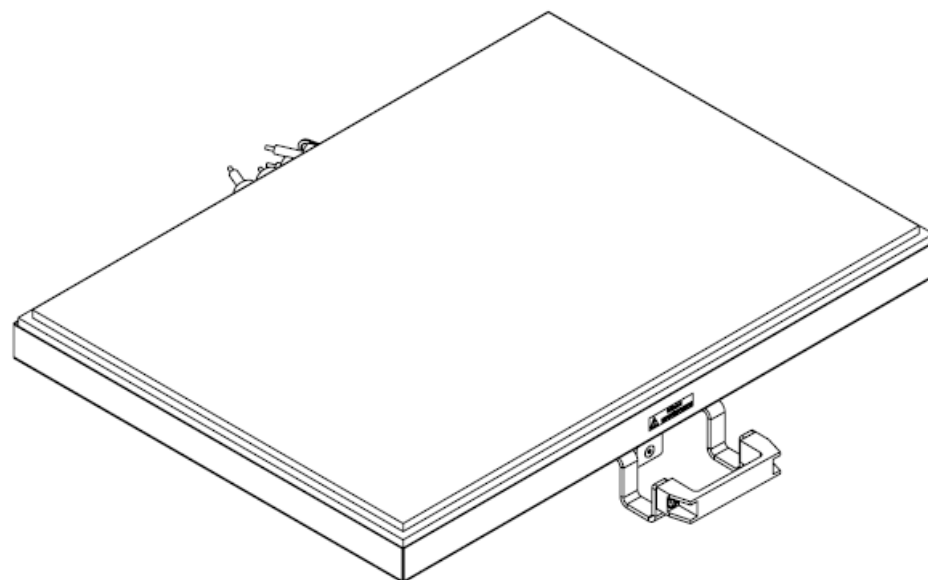
Nº DO ITEM	Nº DA PEÇA	DESCRICAO	QTD.
1	11036	LOWER PLATEN	1
2	19552	COLD PLATEN PROTECTION	1
3	12095	THREADED ROD M8x50mm	4
4	02543	HEX NUT M8	4
5	02221	THREADED ROD M5x40mm	4
6	02540	HEX NUT M5	12
7	19877	CAP NUT STAINLESS M5	4

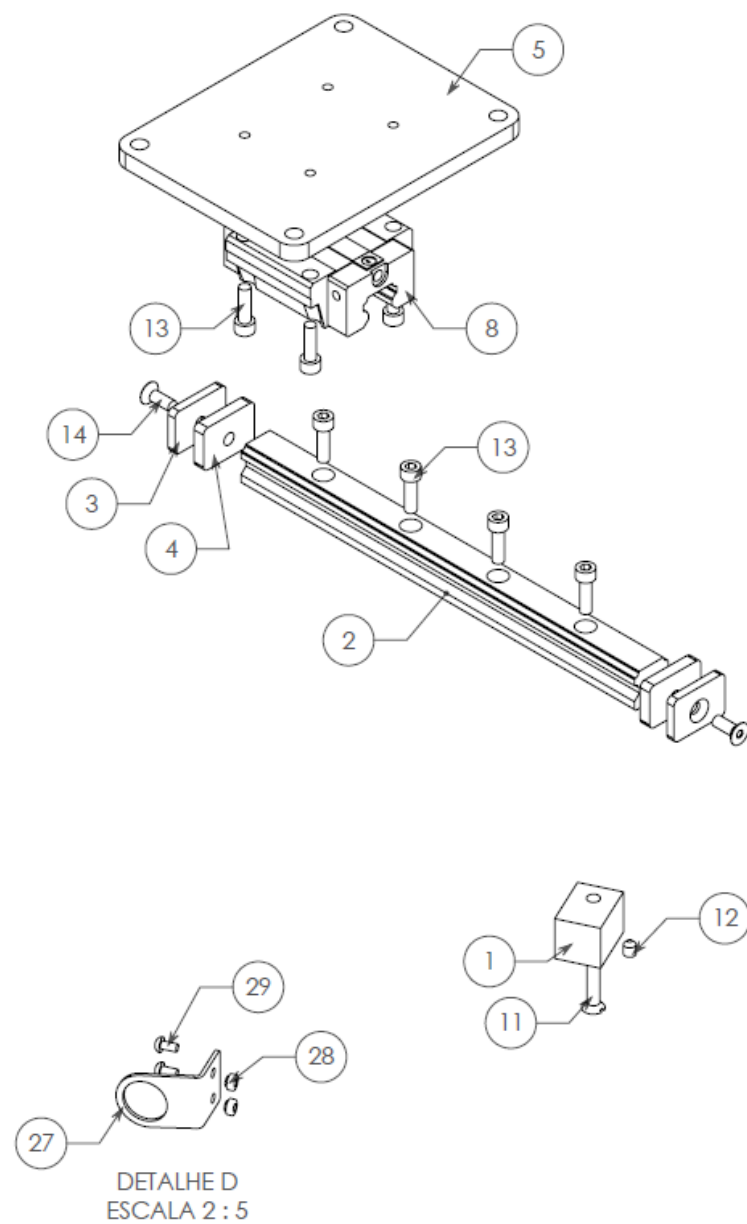
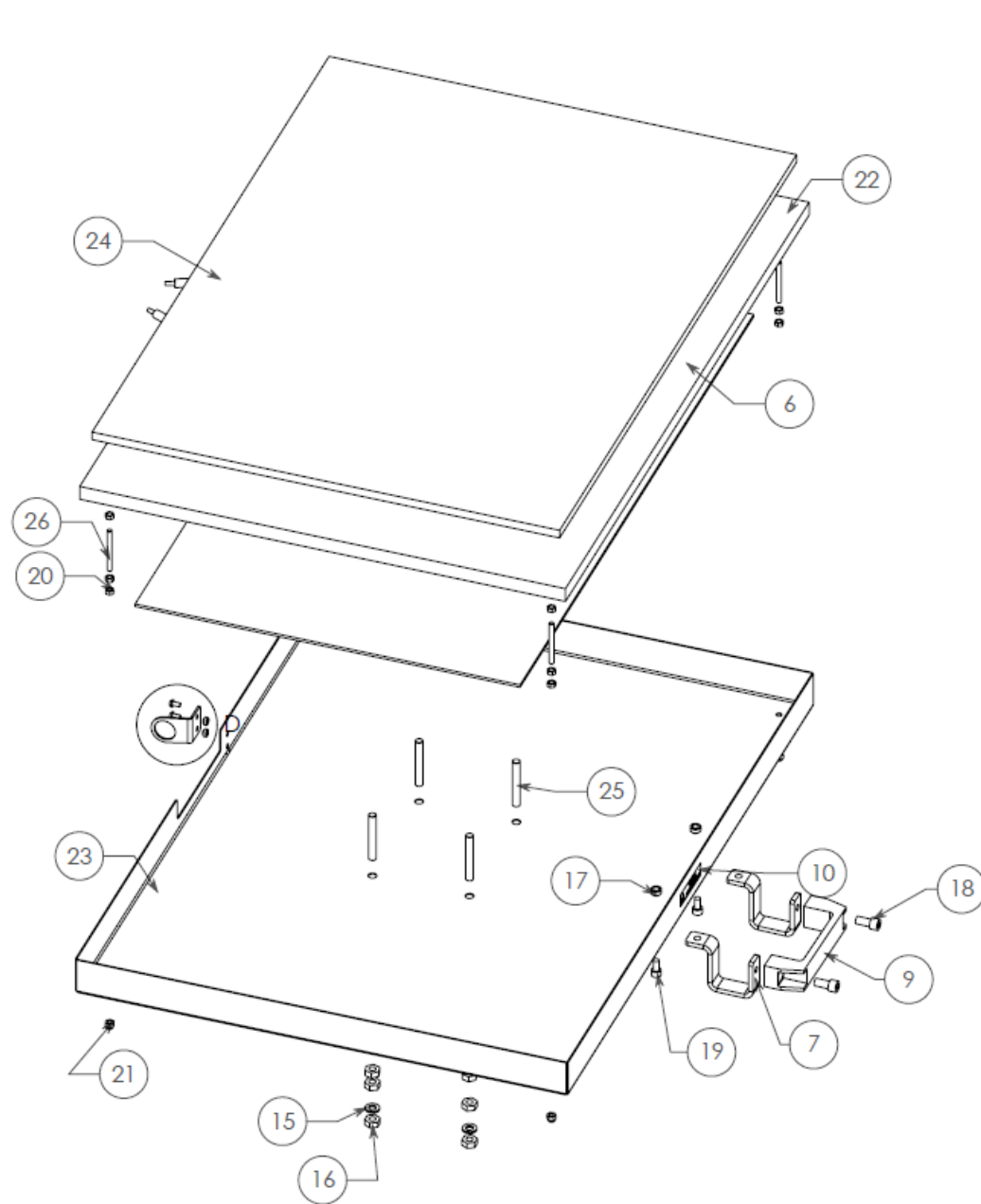


8.2.2 Lower plate assembly



N° DO ITEM	N° DA PEÇA	DESCRICAO	QTD.
1	14535	THERMOCOUPLE SUPPORT	1
2	11033	LINEAR GUIDEWAY- RAIL	1
3	11029	STOP BRACKET	2
4	16964	CUSHIONING BRACKET	2
5	19551	SUPPORT FROM LOWER PLATEN	1
6	14503	THERMAL INSULATION FROM HEATED PLATEN	1
7	19557	BRIDGE HANDLE SUPPORT	2
8	25850	LINEAR GUIDEWAY - BLOCK HGW-25-CC-ZA-C	1
9	05499	BRIDGE HANDLE	1
10	02602	CAUTION! HOT SURFACE ADHESIVE	1
11	13188	SLOTTED COUNTERSUNK HEAD SCREW M5x25mm	1
12	02308	SOCKET SET SCREW M5x6mm	1
13	02281	SOCKET HEAD CAP SCREW M6x20mm	8
14	02261	FLAT HEAD SOCKET SCREW M6x16mm	2
15	17223	SPRING WASHER M8	8
16	02543	HEX NUT M8	12
17	23739	SELF CLINCHING NUT M6	2
18	02288	SOCKET HEAD CAP SCREW M8x16mm	2
19	02279	SOCKET HEAD CAP SCREW M6x12mm	2
20	02540	HEX NUT M5	12
21	19877	CAP NUT STAINLESS M5	4
22	11813	HEATED PLATEN ASSEMBLY	1
23	19554	HEATED PLATEN PROTECTION	1
24	24675	RUBBER SHEET 650x800x9,525mm	1
25	02223	THREADED ROD M8x55mm	4
26	02221	THREADED ROD M5x50mm	4
27	20634	CONDUIT SUPPORT	1
28	09247	SELF CLINCHING NUT M4	2
29	02500	PHILLIPS ROUND SCREW M4x8mm	2





9 CERTIFICATE OF WARRANTY

1. Mogk Industry and Trade Machines Ltda. Is responsible for quality and perfect functioning of the equipment during the 360 Days, counted from the date of issuance of the invoice of the equipment. During this warranty period Mogk undertakes to repair, and, if applicable, replace any part with a manufacturing defect, for this, the customer needs to follow these requirements:

- a) Correct transportation, handling, and storage.
- b) Correct installation, operation and under specified environmental conditions without the presence of aggressive agents.
- c) Operation within the limits of the equipment capabilities.
- d) Realization of periodic preventive maintenance.
- e) Carrying out repairs and / or modifications only by technician authorized by Mogk.
- f) If the equipment develops a fault, the customer will provided to Mogk a minimum period necessary to identify the cause of the failure, and their proper repairs.
- g) The customer will contact Mogk as soon as possible, describing the possible defects, and Mogk will analyze these if they really are manufacturing defects.

2. Excluded from the warranty normal maintenance components, whose lifespan is less than the product's warranty, such as fuses, lamps, filters.

3. It is the customer's responsibility the transport costs from the place of installation to Mogk, and vice versa. If there is need for intervention the mobility expenses, accommodation and meals of technical experts appointed by Mogk will be at your own risk.

4. The repair and / or replacement of parts during the warranty period do not extending the original warranty period.

5. Mogk is not liable for any external damage caused by defective civil engineering works or disasters such as fire, floods, earthquakes, storms, not normal variations of voltage and / or electrical current, or any public disturbance element.

6. Components replaced under warranty period are owned by Mogk.

7. The warranty offered by Mogk limited to repair or replacement of the defective product, Mogk satisfies the full warranty, not fitting the customer the right to claim any other compensation, as example, lost profits, loss originating downtime of equipment, including damage caused to people, third parties for accidents resulting from the use of the equipment or any other emerging or consequential damages.

8. The warranty will be suspended and will end up within the limit, if customer fails to perform any of its contractual obligations.

9. After the warranty period, or was not installed the product, become ineffective the obligations of this certificate.

10. You should:

- a) Inform immediately Mogk any irregularity with the normal operation of the equipment, identifying, as far as possible, their origin.
- b) Arrange for Mogk technicians have free access to the equipment, so that the service work to be started soon after his arrival at the customer location performed without hindrance;
- c) Keep the place where the services are to be performed, adequately lit and in good security conditions for carrying out the work;
- d) Make, where necessary, free of charge, available to Mogk technicians, auxiliary resources, such as product testing, among others.
- e) To grant, when necessary, place suitable for guard and security of the material taken by staff of Mogk, such as work tools, spare parts, etc.
- f) Sign at the end of each visit, the Technical Assistance Report, checking the services performed, hours worked, replaced parts, etc.,

The Customer's refusal to sign the Technical Assistance Report, without cause, cannot constitute grounds of non-compliance with technical assistance.

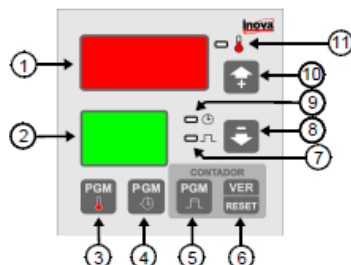
These being the conditions of this Warranty Certificate, the Mogk Mogk Industry and Trade Machinery Ltda. Reserves the right to alter the general, technical and aesthetic of its products without prior notice.

1 - CARACTERÍSTICAS GERAIS

- Alimentação: 85~250VAC - 50-60Hz.
- Temperatura de medição e controle: entre 0°C a 760°C.
- Temperatura de operação e armazenamento: entre -10°C e 60°C.
- Sensor de temperatura utilizado:
Termopar tipo J (o sensor não acompanha o controlador).
- Saídas:
02 saída a relé 5A - 220VCA (carga resistiva), ou
02 saída 12VCC para SSR ou relé externo (80mA – Máximo).
- Beep interno.
- Entradas:
03 entradas digitais.
- Torque máximo nos parafusos: 0,8Nm.

2 - APRESENTAÇÃO

- 1 Display que indica a temperatura medida e a parte baixa do contador.
- 2 Display que indica o tempo decorrido e a parte alta do contador.
- 3 Tecla de programação da temperatura
- 4 Tecla de programação do timer
- 5 Tecla de programação do contador
- 6 Tecla de visualização e reset do contador
- 7 Led do contador: indica que o valor do contador está sendo exibido no display
- 8 Tecla Down: diminui o valor
- 9 Led do timer: indica que o temporizador está ativo
- 10 Tecla Up: aumenta o valor
- 11 Led do controle de temperatura: indica que a saída do controle de temperatura está acionada



3 - PROGRAMAÇÃO

- A programação é dividida em 3 níveis de segurança:
- N1 – Configuração do modo de trabalho do controlador
 - N2 – Programação dos parâmetros de controle da temperatura
 - N3 – Programação dos parâmetros de processo

3.1 – SENHA DE ACESSO PARA PROGRAMAÇÃO

Para acessar a configuração do modo de trabalho do controlador (N1) e a programação dos parâmetros de controle de temperatura (N2) do controlador é obrigatório digitar a senha de acesso.

Ao acessar a programação ou a configuração, o display indicará **[5H]** solicitando a senha de acesso. A senha padrão de fábrica é 123. Se a senha estiver correta o display indicará **[---**. Se pressionar a tecla **[PGM]** pode-se alterar a senha, ou pressionando **[PGM]** para N1 ou **[PGM]** para N2 pode-se prosseguir com a programação.

Na programação dos parâmetros de processo (N3) o uso da senha é opcional, através da função F8, e não é possível alterar a senha neste nível de programação.

No caso de necessitar programar sem saber a senha é possível utilizar a senha secreta 213 e reprogramar uma nova senha para o acesso às programações e configurações.

3.2 – CONFIGURAÇÃO DO MODO DE TRABALHO DO CONTROLADOR – N1

Energize o controlador com a tecla **[PGM]** pressionada por 3 segundos. Utilize a tecla **[5]** para selecionar o item, e as teclas **[←]** e **[→]** para alterar o valor conforme a tabela abaixo. Ao concluir a programação e voltar ao funcionamento normal os dados serão gravados na memória.

DISPLAY	DESCRIÇÃO	AJUSTE	DEFAULT
F1	Seleciona o tipo de máquina para controlar: Se = 0 Prensa manual. Se = 1 Prensa automática.	0 ou 1	0
F2	Se = 0 Dispara o temporizador através de acionamento bimanual. Se = 1 Dispara o temporizador através da entrada E1 somente, se F01=1 E2 passa a ser emergência.	0 ou 1	0
F3	Tempo de acionamento das entradas para acionar o temporizador. Quando selecionado F1=1 o temporizador só será ativado depois que as entradas ficarem pressionadas por um tempo suficiente para que a prensa tenha fechado totalmente.	0 a 99 décimos	15
F4	Tempo de alarme no final do ciclo: Quando selecionado F1=1 ao final do tempo o alarme soará pelo tempo programado. Quando selecionado F1=0 o alarme soará enquanto a entrada permanecer fechada, parando imediatamente no momento que a entrada for aberta.	0 a 255 décimos	30
F5	Limite superior do set-point de temperatura.	0 a 760	250
F6	Off-set da temperatura, utilizado para corrigir desvios na leitura do sensor.	-30 a 30	0
F8	Se=0 não utiliza senha na programação dos parâmetros de processo – N3 Se=1 utiliza senha na programação dos parâmetros de processo – N3	0 ou 1	0
F9	Se = 0 Utiliza contador totalizador. Somente acumula a contagem de ciclos do temporizador Se = 1 Utiliza contador programável. Acumula e controla a contagem de ciclos do temporizador	0 ou 1	1
F9	Quando o contador atingir o valor da contagem programada: (somente quando F9=1) Se = 0 Somente sinaliza no display Se = 1 Sinaliza no display e bloqueia o acionamento do temporizador.	0 ou 1	1
Fb	Faixa de controle de tempo do temporizador: Se = 0 até 99 décimos de segundo, com resolução de 1 décimo Se = 1 até 99 segundos, com resolução de 1 segundo Se = 2 até 99 minutos, com resolução de 1 minuto	0 a 2	1
Fc	Logica da entrada de emergência: (Somente se F2=1) Se = 0 Acionada se contato NA. Se = 1 Acionada se contato NF.	0 ou 1	0
Fd	Logica da entrada de emergência E3: (Somente se F2=0) Se = 0 Acionada se contato NA. Se = 1 Acionada se contato NF.	0 ou 1	1

3.3 – PROGRAMAÇÃO DOS PARÂMETROS DE CONTROLE DE TEMPERATURA: (N2)

Energize o controlador com a tecla **[PGM]** pressionada por 3 segundos. Utilize a tecla **[5]** para selecionar o item, e as teclas **[←]** e **[→]** para alterar o valor conforme a tabela abaixo. Ao concluir a programação e voltar ao funcionamento normal os dados serão gravados na memória.

DISPLAY	DESCRIÇÃO	AJUSTE	DEFAULT
Ht	Histerese do controle de temperatura: Quando programado entre 1°C e 20°C o controle é on-off. Quando programado em 0 o controle é proporcional e habilita os próximos parâmetros.	0 a 20	0
bA	Banda de ação proporcional. (Somente se Ht=0)	1 a 99	10
dE	Correção da banda proporcional. (Somente se Ht=0)	-50 a 50	0
PE	Período PWM. (Somente se Ht=0)	01.0 a 99.9	20.0

Este controlador não deve ser utilizado como dispositivo de segurança.

11 MOGK PRODUCTS

**THERMAL PRESS SEMIAUTOMATIC
PTP - 1450**



**THERMAL PRESS SEMIAUTOMATIC
PTP - 400**



**THERMAL PRESS SEMIAUTOMATIC
PTP - 660**



**THERMAL PRESS FOR
LABEL - SR4**



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