

Ares Machine srl

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OILDYNAMIC SWING BEAM CLICKING PRESS

Range
F.40
F.45
F.48

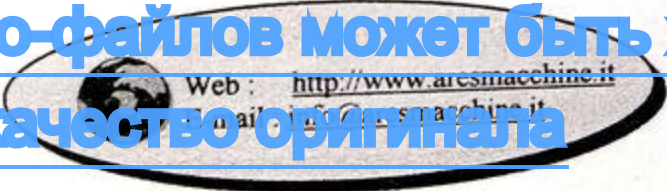
<input type="checkbox"/>
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Serial N°	20215
Voltage	380/50
Year of construction	2005
Max. cutting force	20 TON

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Качество Демо-файлов может быть хуже

чем качество оригинала



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<i>Electrical layout</i>	
<i>Electrical layout</i>	
<i>Electrical layout</i>	

MACHINE GUARANTEE

The Company undertakes to supply machinery which is free of any faulty parts which can compromise the performance and use for which the machine was designed.

It will not be held responsible for any faulty electrical or electronic parts, or for any parts which deteriorate due to normal wear and machine use such as gaskets and seals, fuses, microswitches, etc.

The Vendor will not be held responsible for any damage caused by use not included in the instructions in this manual, or caused by negligence or incorrect use. The company will also not be held responsible for any unauthorised modifications or changes made to the machine by the purchaser, who then becomes responsible for the machine.

The machine is delivered to the customer already tested.

This machine is covered by a six month guarantee. All parts replaced during the guarantee period are covered by the guarantee until the expiry of the machine guarantee. To benefit from the guarantee conditions, the purchaser must inform the manufacturer of any faulty parts or construction in writing, within 10 days of the discovery and accurate testing of the machine. He must also agree to reasonable control checks by the vendor, and return the faulty parts which are the source of complaint, to the manufacturer, if requested.

After receiving the complaint from the purchaser, the vendor will, at his own expense, provide for one of the following:

- a) replace the faulty part
- b) have the replacement made by a third party

Where the fault is the responsibility of the vendor, any damages paid to cover expenses cannot exceed the sum equivalent to items a and b, described above.

The replacement will be delivered ex works from the manufacturer's plant. If any intervention by a technician is necessary, all costs will be invoiced.

The machine measurements and technical data included in this manual are not binding, and can be updated at any time without prior notice from the manufacturer.

GENERAL INFORMATION

Before using the machine, please take care to read all the instructions included in this manual, as well as the information included on the plate attached to the machine. This instruction manual has been drawn up for the customer's information, and is considered as part of the machine, in the same manner as any mechanical, pneumatic or electrical part. Therefore, for obvious reasons, please keep the manual near the machine, on hand for easy reference at all times.

Before any work or maintenance operations, the machine **must be disconnected** from the main electricity line. The Constructor will not be held responsible if these rules and precautions are not followed scrupulously.

The machine is equipped with all the protection guards necessary for safeguarding the operator while working on the machine: the protection systems must never be removed except for maintenance purposes. Negligent use of the machine is the cause of all accidents. The operator must wear the necessary types of protective clothing suitable for the job in hand.

ЧЕМ КАЧЕСТВО ОРИГИНАЛА

MACHINE IDENTIFICATION.

The plate attached to the machine provides the following information:

- machine range
- machine model
- serial number
- voltage motor pump
- voltage connection motor pump

<i>Serie</i>		<input type="text"/>
<i>Modello</i>		<input type="text"/>
<i>Matricola</i>	<i>N.</i>	<input type="text"/>
<i>Motore</i>	<i>V.</i>	<input type="text"/>
<i>Collegato a</i>	<i>V.</i>	<input type="text"/>

It is strictly forbidden to remove change or alter the information provided on the identification plate. If the seal should be accidentally damaged, the customer must inform the manufacturer immediately.

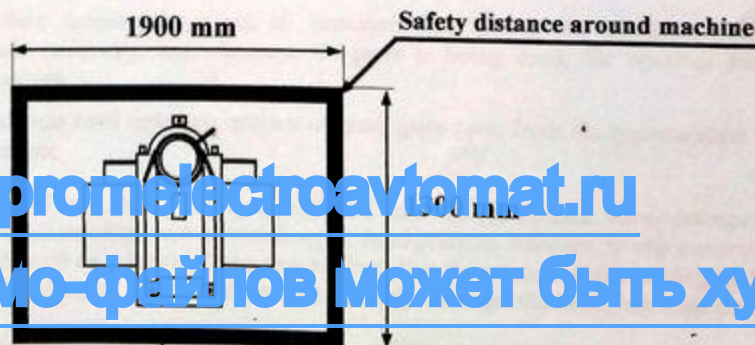
When the machine is delivered, please control that all parts correspond with the customer's order, and that no machine parts have been damaged during transport. If the machine has suffered any damage, please contact the manufacturer or the transport company immediately.

When requesting information or service assistance, always quote the serial n° and the year of construction of the machine.

Before connecting the machine to the current, check that the main line voltage is the same as that shown on the machine plate. If it should be necessary to change the voltage of the carriage and pump motors, the voltage must also be changed at the transformer so that all electrical equipment on the machine is connected to the correct voltage.

SAFETY DISTANCE AROUND MACHINE

No other personnel must approach or remain near the press while it is running. To ensure that personnel is aware of the safety distance to be respected around the machine, mark out the distance to be observed using brightly coloured paint or adhesive tape on the flooring around the machine (orange or yellow). The operator is responsible for his machine within this boundary line. The sketch below includes the distance to be left free around the machine.



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ЧЕМ КАЧЕСТВО ОРИГИНАЛА

GENERAL SAFETY REGULATIONS.

Before starting up the machine, or carrying out any maintenance operations, it is essential that the chapters relative to each operation be read carefully; in particular, please read transport and handling instructions, connection to main electrical supply, and use and maintenance instructions with care.

In order to safeguard the operators working on the machine from any injury, please ensure that personnel obey all the safety instructions provided below with the utmost care:

- No other personnel must approach or remain near the press while it is running.
- When the press is running, never place the hands between the cutting plate and the mobile arm (for example: in order to change die position). This must also be observed while the machine is being switched off, since the oil pressure which supports the mobile arm will be released and the press head will descend.
- Never wear clothing or jewellery which can provoke a risk of injury when working on the machine (e.g.: wide or flapping clothing, scarves, ties, or wide cuffed sleeves).
- Never place any tools or other objects not directly used for the work in hand on the cutting plate or the mobile arm. Vessels containing liquid or beverages can spill into the electrical box causing severe electrical shock.
- All interventions for adjustment settings and maintenance must be carried out by qualified personnel and only after the machine has been disconnected from the main line current.
- Never remove the labels attached to the machine and always respect the warnings printed on these labels. If they are damaged in any way, the labels must be replaced for safety reasons.
- Never change or modify any of the protective covers or shields on the machine (protective panels, end-of-stroke blocks, pressure switches, etc.) nor any of the safety devices provided to protect the operator from injury. It is severely forbidden to tamper with the electrical installation or modify it in any way without the permission of the manufacturer. If these instructions are not followed as described, the machine is no longer covered by the guarantee. All results from lack of respect of these regulations and standards (machine damage, injury to personnel, etc.) will be the total responsibility of the customer.
- To clean the machine, never use strong water jets, solvents, gasoline, or any type of corrosive substance. Use only soft cloths soaked in detergent liquid, and when cleaning the electrical command panel, use a brush to remove the dust from the less accessible areas.
- When carrying out machine maintenance, warn all personnel not to use the machine. While maintenance operations are underway, and whenever the press is being used, the operator must always remain near the machine.
- When any machine components need replacing, request original spare parts from the manufacturer or from the authorised sales agent.

This press has been designed and built for the cutting of metal and plastic sheets. Never attempt to cut other types of material on this machine such as metal, wood, hard plastics, bakelite, or any materials that may be valuable such as asbestos. Take care to check that the interior of the material to be cut does not contain lead, welding electrodes, or other objects which could damage the machine or cause a violent splinter flying.

This press has been designed for use in industrial or medical use, or for other uses not specified in this manual.

TRANSPORT AND HANDLING.

All the transit and installation area, plus the transport vehicle area must be carefully inspected before handling to ensure they are well clear of all objects and personnel. All obstacles must be removed before handling.

According to the transport request made by the customer, the machine is delivered on a pallet and covered with protective plastic film, or in an open or closed wooden case or crate. The plastic film will only protect the machine from damp and dust during transport; it cannot protect the machine against banging during handling operations. The press is bolted to the pallet or to the crate base in three points.

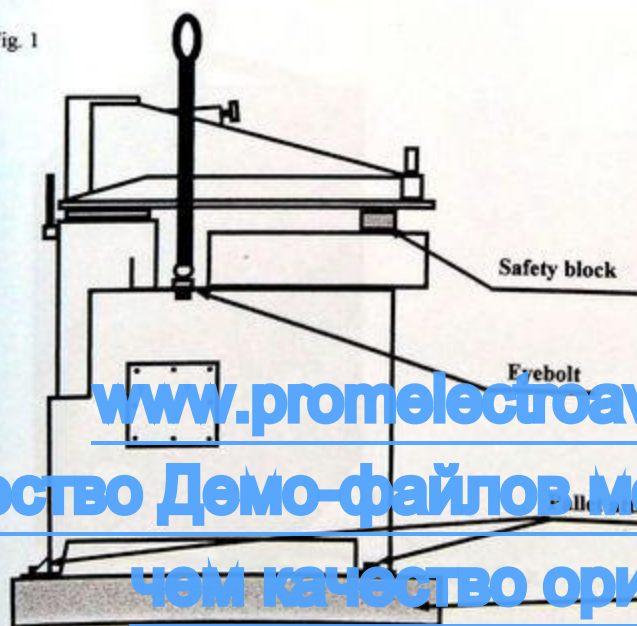
The machine can be safely handled and moved on the ground using a fork lift adequate for the machine weight (refer to the technical information paragraph).

Clicking press on pallet

If the press to be raised is attached only to a pallet, the hoisting chains or cables must be attached to the eyebolts (Fig. 1) **Never raise the machine by passing ropes or slinging straps around the mobile arm** as this will damage the internal components, as well as leading to arm rotation, causing load oscillation which cannot be controlled and which provokes a serious danger for machine and personnel. Proceed slowly when beginning the initial raising operation to maintain the press in equilibrium without banging or swaying. Make sure that all personnel not directly involved in the manoeuvres are kept well clear of the area.

Never remove the safety block until the machine has been safely placed in its final position. This block stops the mobile arm from rotating during handling operations.

Fig. 1



TRANSPORT AND HANDLING.

(CONTINUED FROM PREVIOUS PAGE)

Press in wooden case or crate.

Whether the press is packed in an open or closed crate or packing case, it must be raised using chains or cables which are adequate for the combined weights of machine and case (See paragraph TECHNICAL INFORMATION).

The
draw

- 1)
- 2)
- 3)

- 4)

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PRELIMINARY CONTROL CHECKS.

In order to check on any damage the machine may have suffered during transport, control the condition of the press commands (at least from the outside) and check for any oil leakage.

Before connecting the machine to the main line, check that the voltage is the same as that of the machine printed on the plate. Check the frequency of the power supply from the main line.

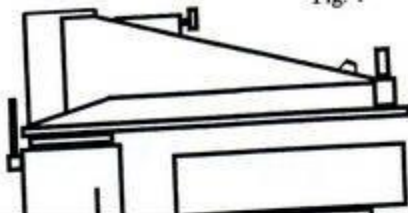
ATTENTION: The hydraulic machine has a high pressure side shield level. INFORMATION: emp

MACHINE STOP

To stop the machine, press the stop button on the control panel. The machine will stop immediately.

To start the machine, press the start button on the control panel. The machine will start immediately. Attention: The machine will start immediately. Do not touch the machine while it is running.

Fig. 1



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Трапка Вверх

ADJUSTMENT SETTING CONTROLS.

- 1) Start up switch.
- 2) Signal led : machine ON.
- 3) Right hand push button.
- 4) Left hand push button. *
- 5) Handwheel for setting height.
- 6) 7)

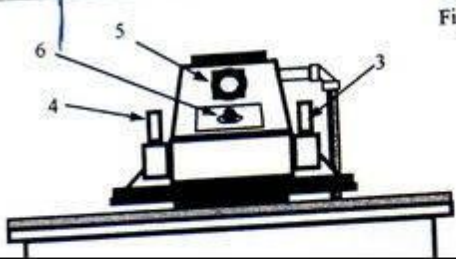


Fig. 1

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CUTTING FORCE ADJUSTMENT.

According to the agreement made with the customer, the press can be equipped with a standard press button panel with a single cutting force setting, or with an optional panel that can be programmed for three settings.

Single setting control panel

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7) After cutting, move the die to the left to remove the cut material.

Programmable panel

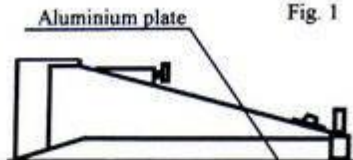
When cutting, the die is moved to the left at the same time as one of the three buttons P2, P3, and P4 according to the potentiometers R2, R3, and R4. The button P1 can be pressed at the same time as one of the three buttons P2, P3, and P4 according to the respective values programmed on the potentiometers R2, R3, and R4.

In both cases, the die is moved to the left during the cutting action to prevent all danger of the die spitting out and causing serious injury.

CLICKING PRESS MAINTENANCE INSTRUCTIONS.

In order to preserve the working life and efficiency of the machine, certain regular maintenance operations must be carried out as follows:

- The cutting block (Fig. 1) must be turned upside down every six working days to provide uniform



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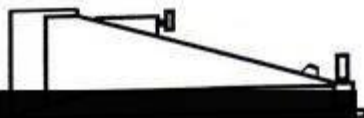
чем качество оригинала

CLICKING PRESS MAINTENANCE INSTRUCTIONS.

(CONTINUED FROM PREVIOUS PAGE)

Replacement of hydraulic oil

After approximately five year's work the oil and oil filter under the pump must be replaced. To carry out this



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Spring block screw

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TROUBLESHOOTING AND IDENTIFICATION INSTRUCTIONS.

When the ignition switch is turned on, the motor does not start up.

- No current; check the line and relative fuses.
- The motor overload cutout has been triggered. Check the cutout setting according to the motor line amperes; adjust the setting before attempting



Fig. 1

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Fig. 2

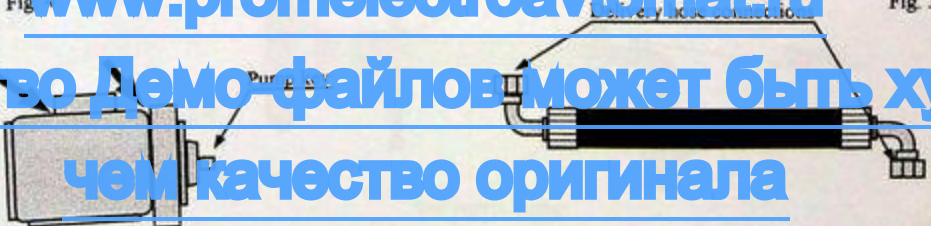


Fig. 3

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 чем качество оригинала

TROUBLESHOOTING AND IDENTIFICATION INSTRUCTIONS.

Die cutting is not complete, and cuts deeper.

- Check the potentiometer(s) and their connection wiring using a tester (Fig. 1).
- Check the condition of the internal contact of the



Fig. 1



Fig. 4



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PARTS SUBJECT TO WEAR

P 663	Arm plate 370x500x12
P 614	Cutting plate 900x430x30
N 194	Self blocking nut (P 660)
N 865	Cupped washer (P 660)
N 1211	Flared head screw (P 660)

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N 111 www.promelectroavtomat.ru
 G 191 Programmable press button panel (3 buttons).

WARNING: The use of non original controls, and replacement of machine parts with non original manufacturer's parts make the customer completely responsible for any danger occurring in the use of the machine.

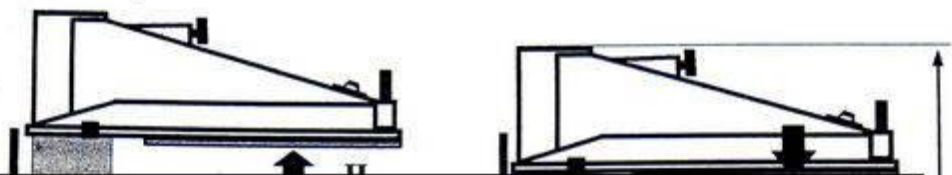
TECHNICAL INFORMATION.**CLICKIN PRESS F40-F45 - TECNICAL INFORMATION***F.40**F.45**F.48*

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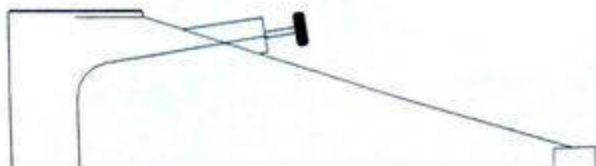
MACHINE MEASUREMENTS.

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	H	B	a	b	c	d	e	f
F.40	120	40	900	370	430	935	970	1300
F.45	120	40	900	370	430	935	970	1300
F.48	120	40	900	370	430	935	970	1300

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HYDRAULIC OIL CIRCUIT LAYOUT DRAWING.

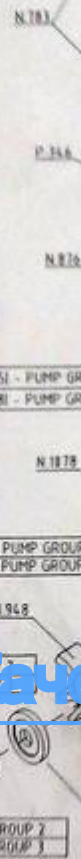


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MACHINE BASE

N 1049

P 679

P 609

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N 1162

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N 626	hp 13	v 220/300	50 Hz
N 632	hp 15	v 220/300	50 Hz
N 633	hp 15	v 220/300	50 Hz
N 634	hp 15	v 220/300	50 Hz

N 1064

P 181

N 1160

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SMING BEAM GROUP



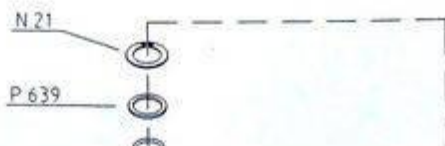
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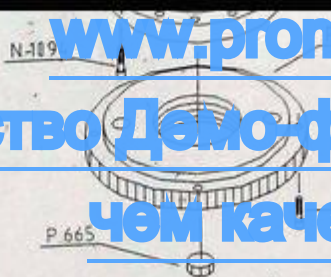
PISTON - CYLINDER GROUP



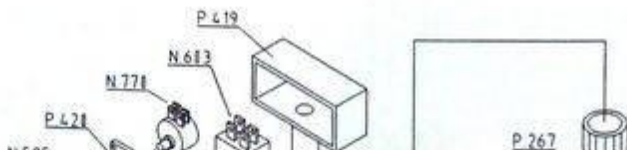
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PROGRAMMABLE PUSH - BUTTON (optional)



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PROGRAMMABLE PUSH - BUTTON PANEL LAYOUT

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ELECTRICAL EQUIPMENT UNIT.

N 898

N 520

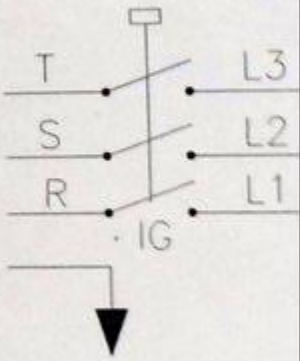
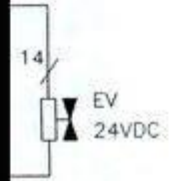
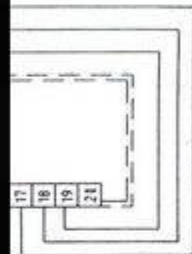
N 873

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ELECTRICAL LAYOUT DRAWING



MP

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Качество Демо-файлов может быть хуже,

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EV = Electrovalve unit
PS = Pressure switch
MP = Pump motor
IG = Ignition switch

CC = Stroke counter 24VDC

LP = Cutting method switch