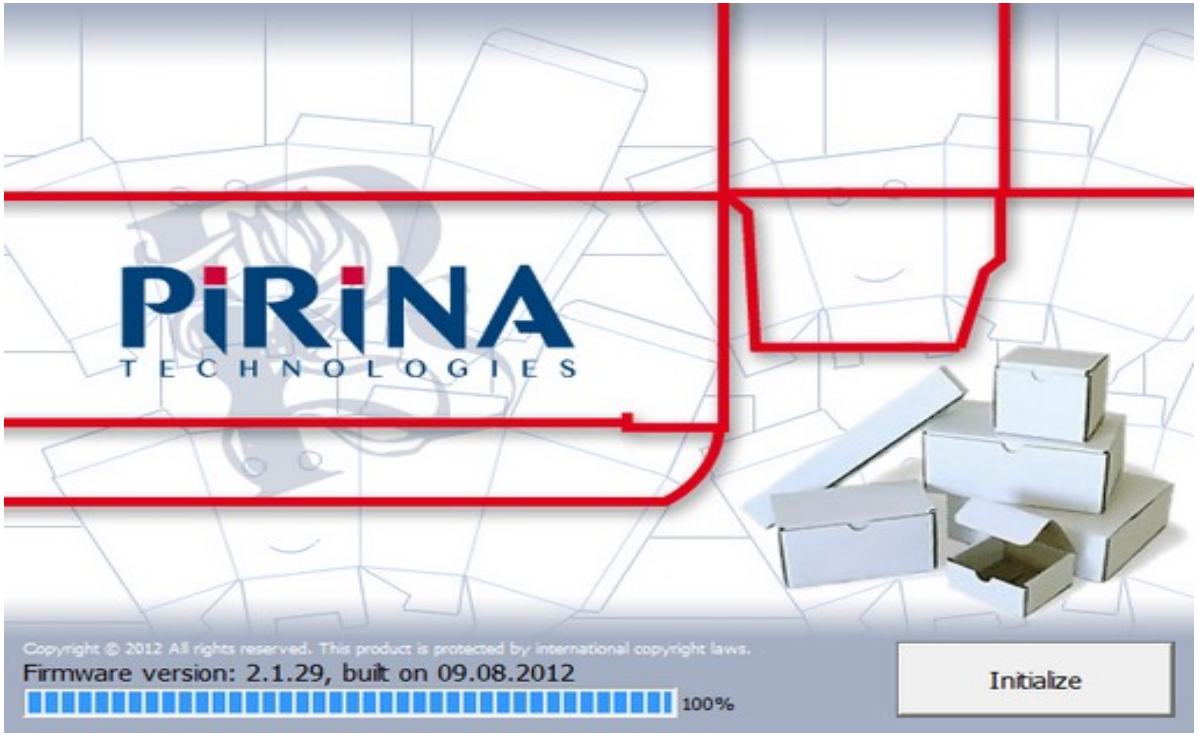
USER GUIDE

Pirina SML 1000 17031

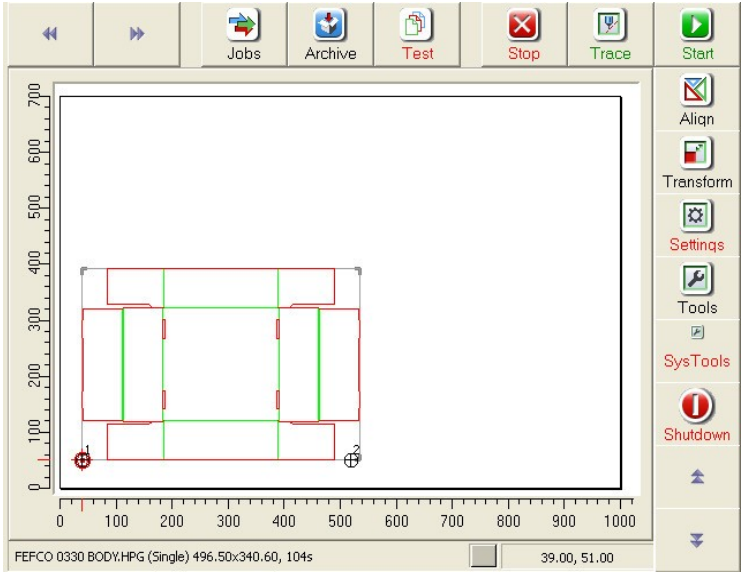
v.10.2012

Pirina SML 1000 17031

Pirina SML 1000 - 17031



Plotter main window (with a loaded job)



Loading files

Use 

to load a new file

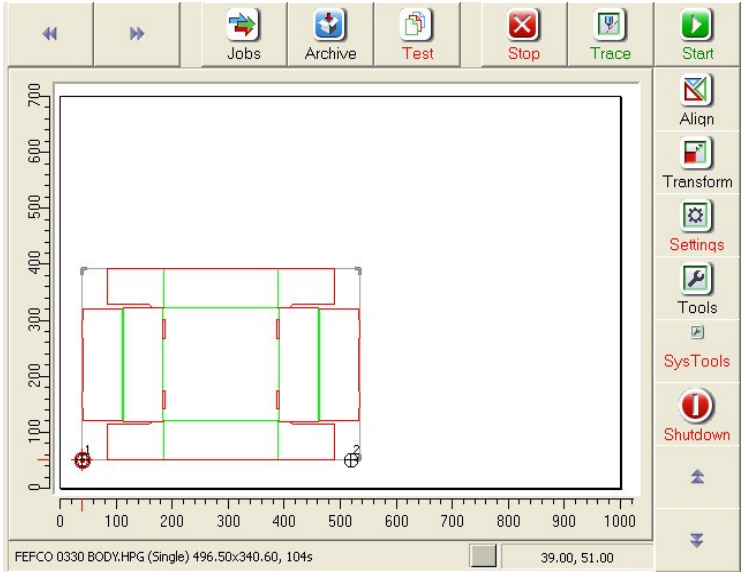
or 

to load an archived job

Pay attention which tool head is mounted on the machine an select the respective tool head from the 

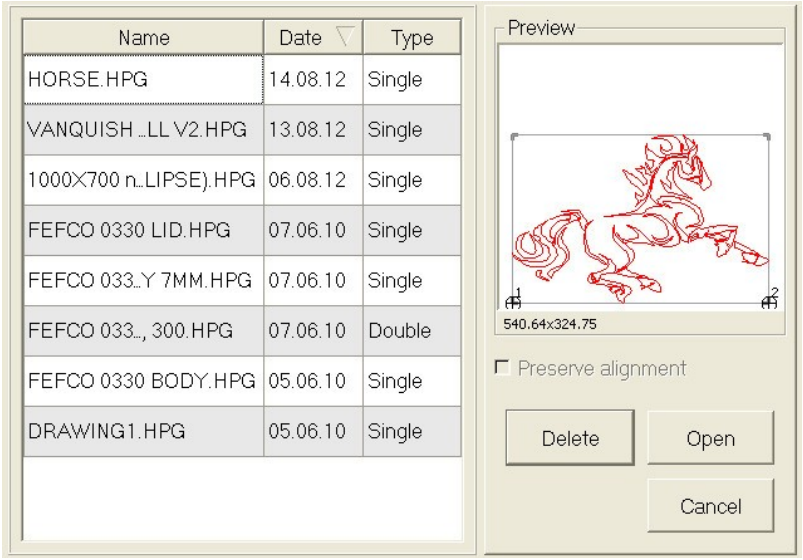
menu. See *Tools menu* (p. XX) for details.

Plotter main window (with a loaded job)



The name of the current job (Fefco 0330 body.hpg in this case), the type of the file – single or double, the dimensions of the file (496.50x340.60) and the estimated time for completing the job (104s) are displayed in the lower left area of the main screen.

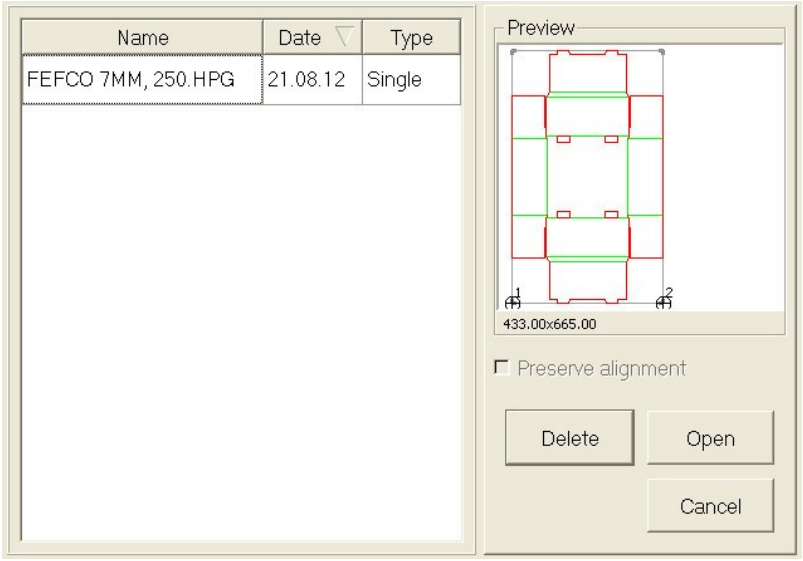
Jobs window



Use this menu to select which job to load.

Use ***Preserve alignment*** to keep the alignment you made on a previous job.

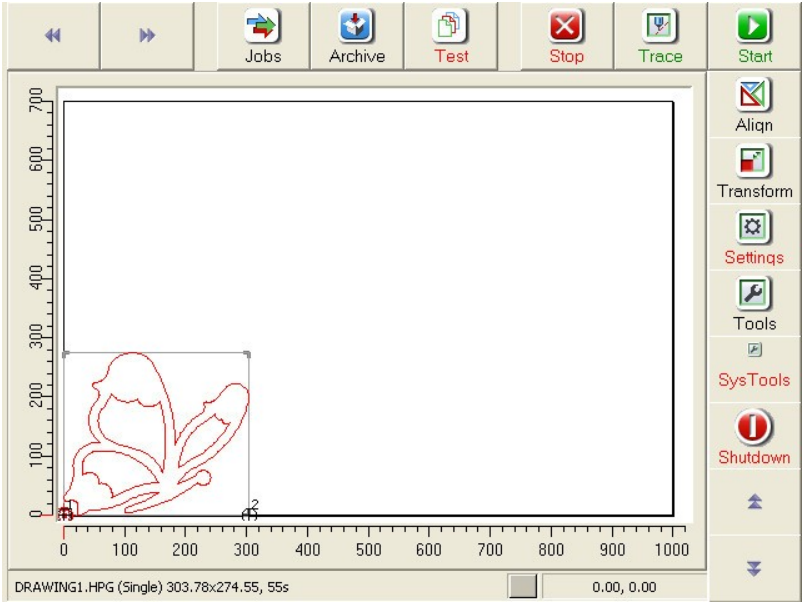
Archive window



Use this menu to select which job to load (or delete) from the archived jobs.

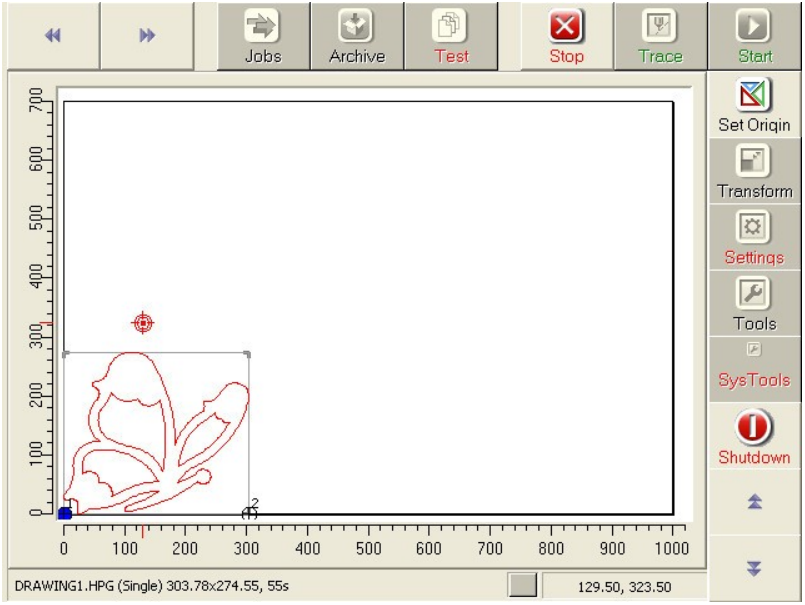
Use ***Preserve alignment*** to keep the alignment you made on a previous job.

Align



After loading the job you may want to align the file to a desired place on the board. To do so press the  button

Align, step 1

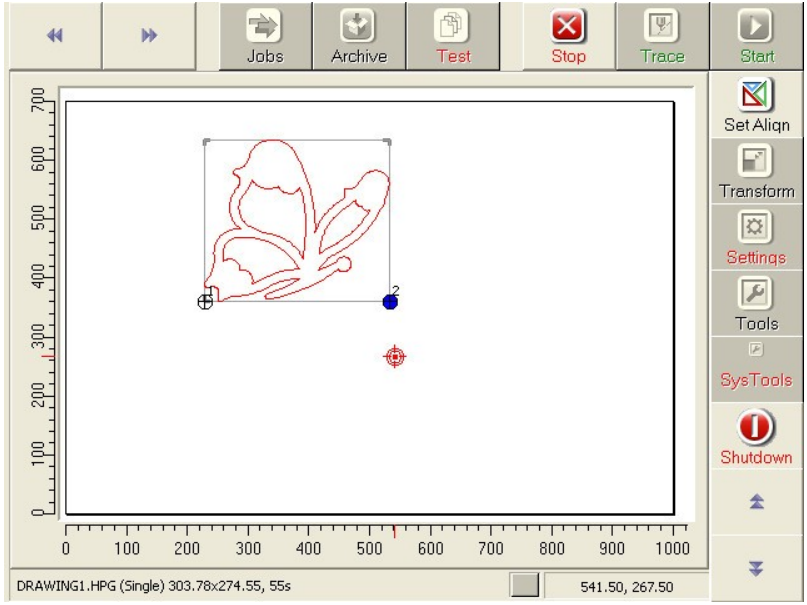


Move the pointer to the desired location and press 

The file is moved so that the first market coincides with the pointer.

Note that during the alignment process, only some of the buttons are active.

Align, step 2

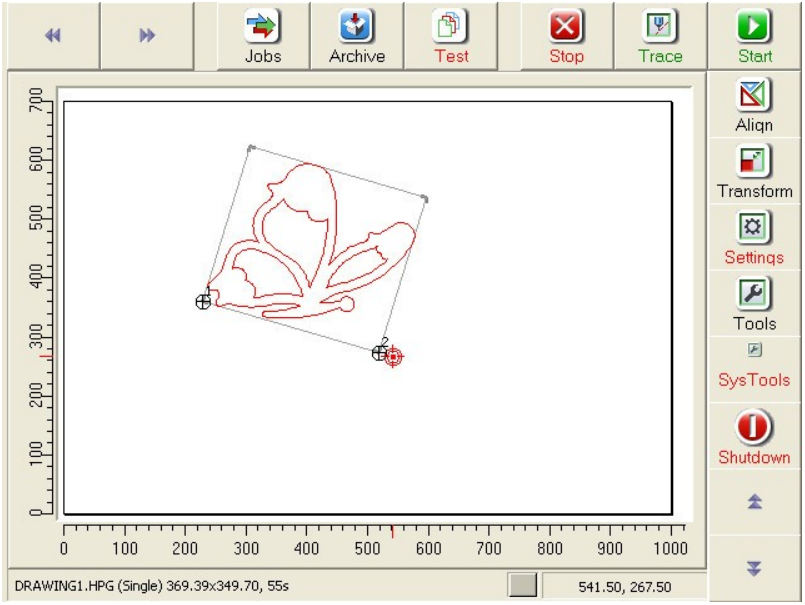


Select the second marker (the color becomes blue), move the pointer to the desired place for the second marker, and press 

The file is positioned and you can proceed with the cutting.

Note that during the alignment process, only some of the buttons are active.

Cutting and creasing

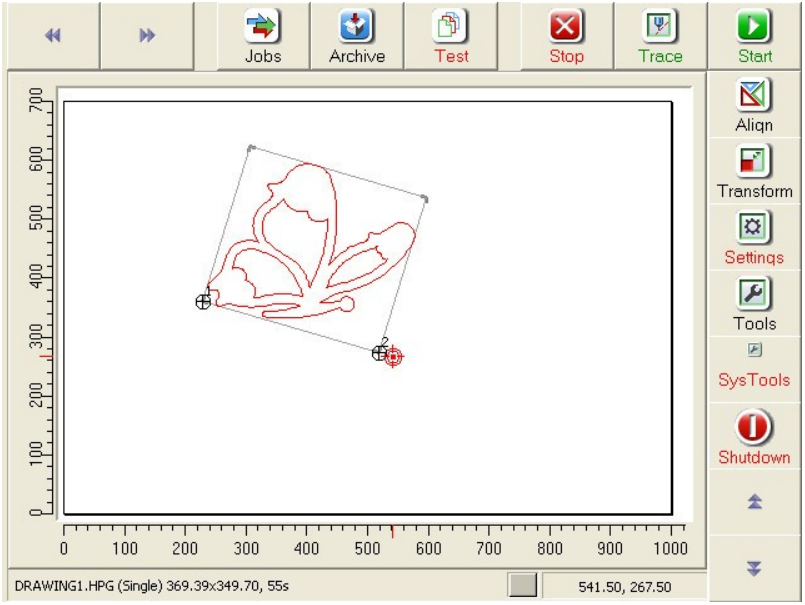


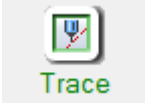
When the file is aligned, press 

to begin the cutting and creasing process.

Do not forget to switch on the vacuum and to select the correct tool head before starting the job.

Trace

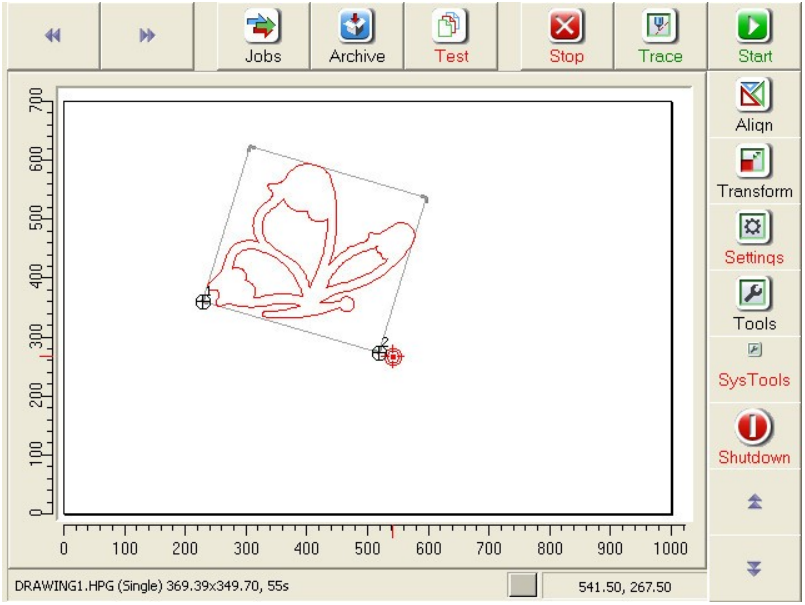


Use 

to trace the job with the light.

The trace function is useful when you want to check allignment on a printed media.

Stop

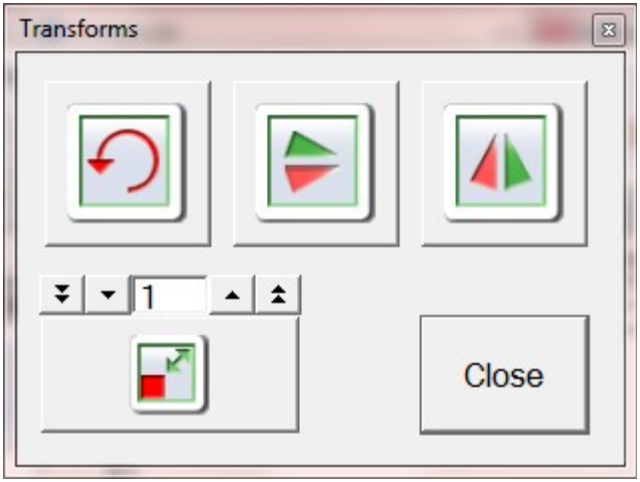


Use 

to stop the execution of a given job.

Note that you will not be able to resume from when you stopped, but from the beginning of the job

Transform



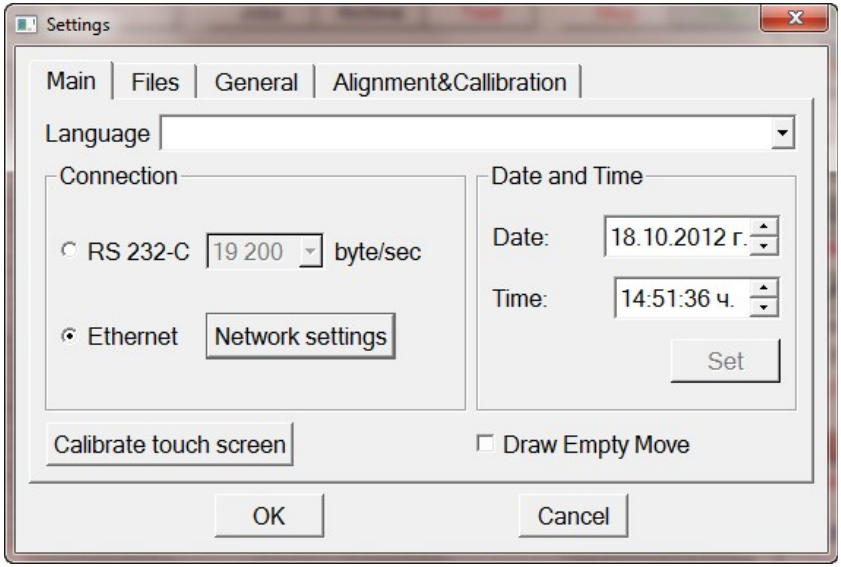
Use  to transform the loade

Use  to rotate the job counterclockwise

Use  and  to flip horizontally and vertically.

Use  to scale the job. You can scale from 0.5 to 2. Press  to confirm the scaling.

Settings > Main



Use the language drop-down box to select display language.

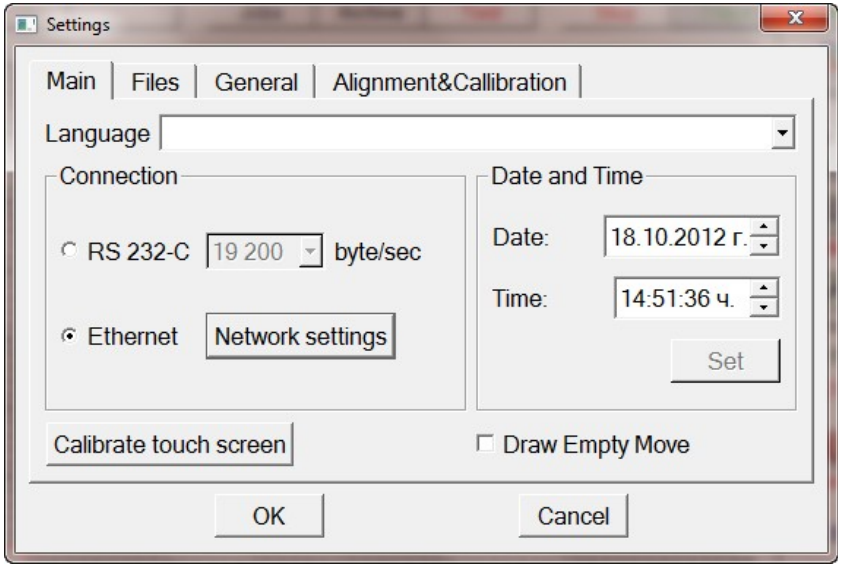
In this screen you can set up Dat and time.

Use the Draw empty move check box to vizualise the empty moves when the tools are up.

Select RS 232-C or Ethernet to set up network connection. Select Ethernet and press Network settings to set up a netwrok

Press Calibrate touch screen to calibrate the touch screen. Press the centres of the four circles to finish the procedure.

Settings > Main



Use the language drop-down box to select display language.

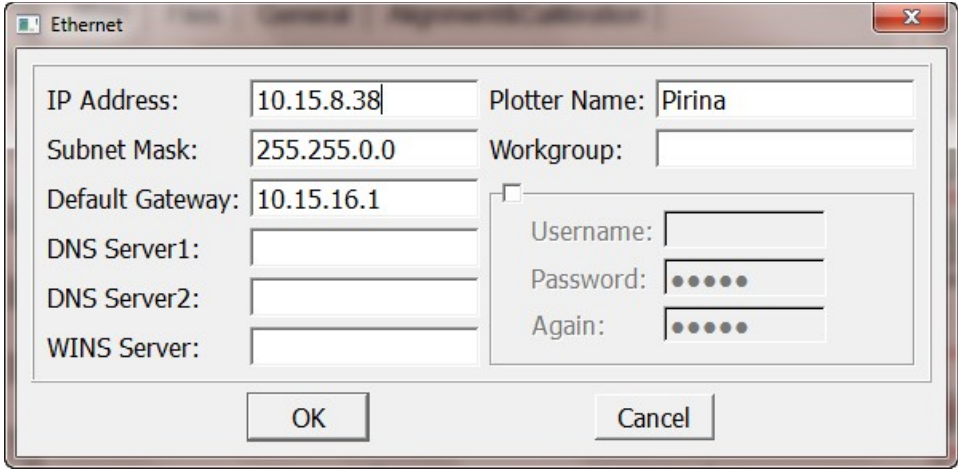
In this screen you can set up Dat and time.

Use the Draw empty move check box to vizualise the empty moves when the tools are up.

Select RS 232-C or Ethernet to set up network connection.
Select Ethernet and press Network settings to set up a netwrok

Press Calibrate touch screen to calibrate the touch screen. Press the centres of the four circles to finish the procedure.

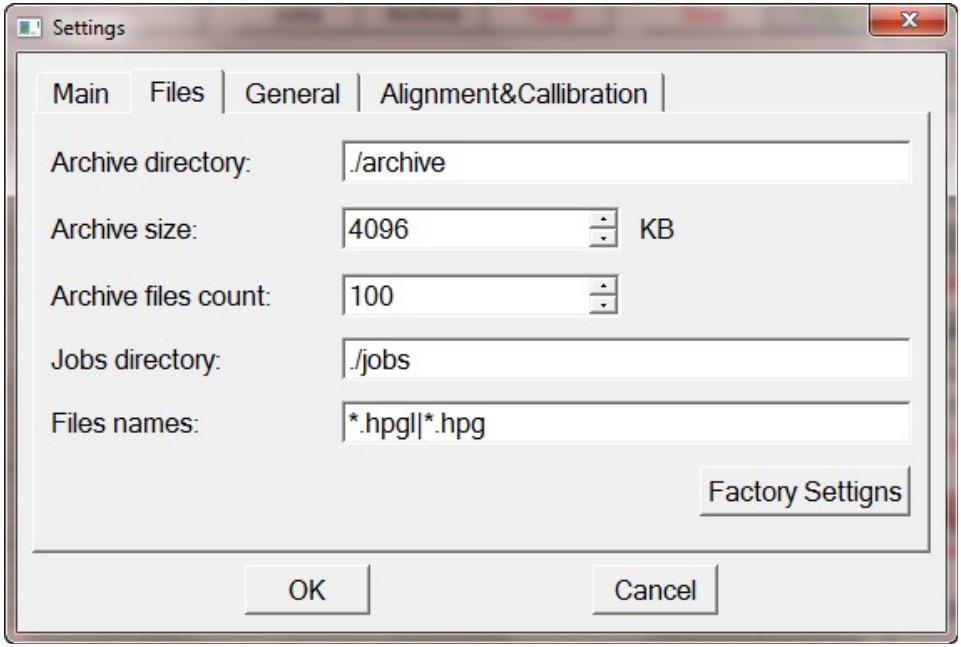
Settings > Main > Network settings



Use this screen to set up the network connection.

The mandatory fields are IP Address, Subnet mask and Default Gateway.

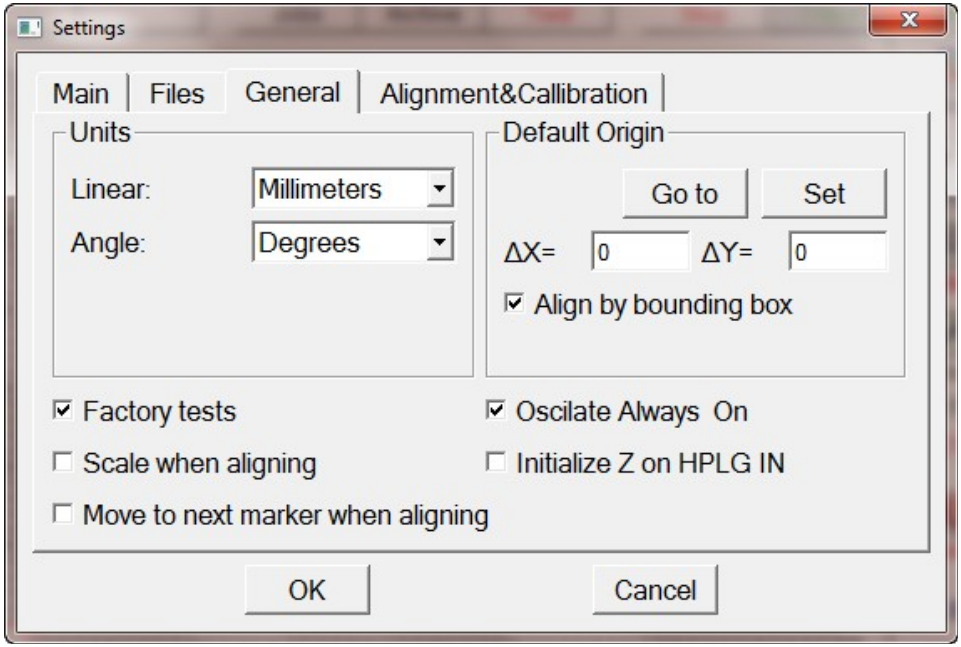
Settings > Files



Use this screen to set up archive directory, size and file count.
You can set up also Jobs directory and recognised file names.

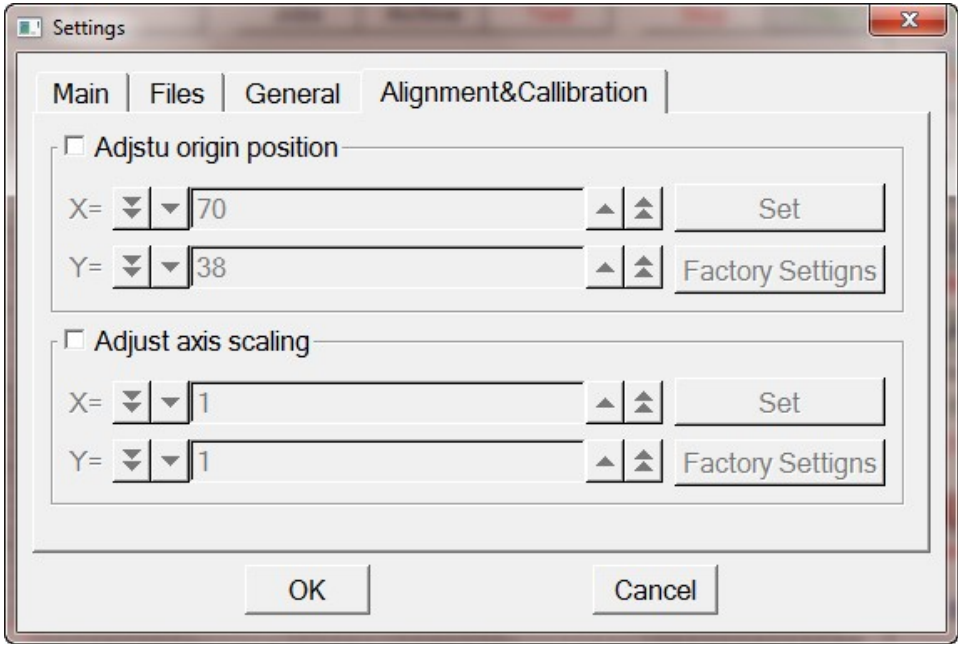
Use the Factpry settings button to restore factory settings.

Settings > General



Use this screen to set up units for the display. Set the default origin where the file is aligned.
Use factory test checkbox to allow factory test button.
Use Oscilate Always on when you have oscillating toolhead.

Settings > Alignment&Calibration

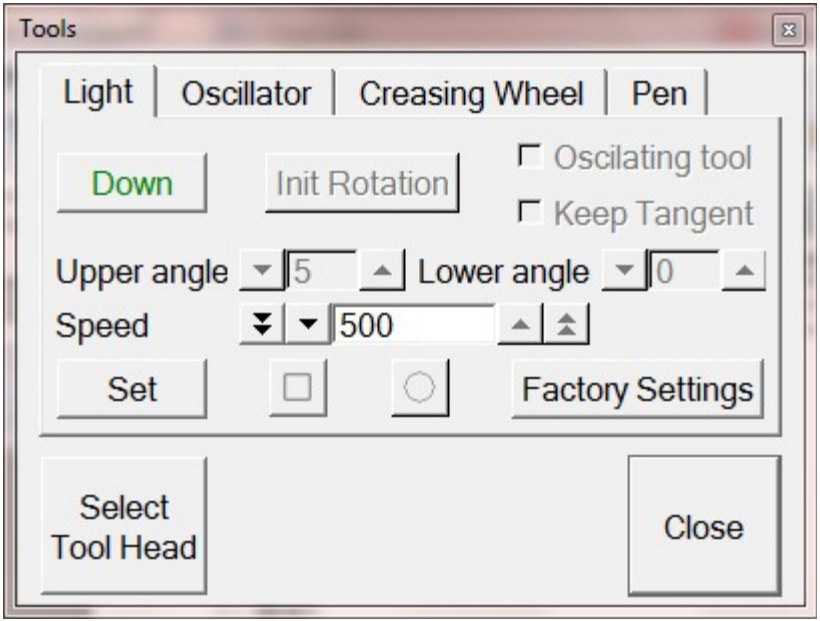


Use Adjust origin posistion to softwarely correct the origin point.

Use Adjust axis scaling to compensate for inequalities in the axes.

Note: It is recommended that only authorized personel makes changes to the options here

Tools

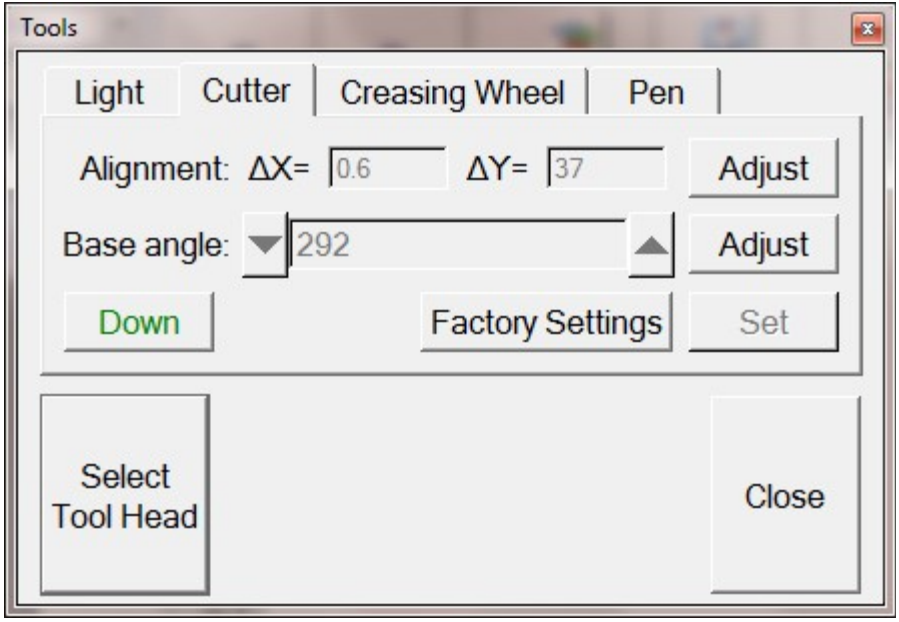


Use this menu to set up the angle wich is performed without lifting the tools – between the lower and upper angle.
Also set the tool speed.

Use ☐ or ○ to cut a test square or circle.

Use Select Tool Head to select the desired toolhead (standard or oscillating) for your jobs.

Sys tools



Use this menu to align the tools to the light.
Press **Adjust** and use the arrows to drive the light to the cross made by the selected tool and press **Set** when ready.
Use **Base angle** to make corrections to the initial rotation of the instruments.

Use **Factory settings** to restore factory defaults.

Use Select Tool Head to select the desired toolhead (standard or oscillating) for your jobs.

Changing Heads, Tools, Instruments

To see the correct procedure for changing toolheads, tools and knives, please check the videos in the attached CD.

Before changing toolheads or instruments be sure that the plotter is switched off or the emergency stop button is pressed!

Maintenance

The monthly maintenance includes:

- Clean the outside surfaces of the plotter and look for possible wear and tear;
- Carefully inspect the cables and their connectors;
- Lightly coat the rubbing parts of the plotter with machine oil;
- Check the tension of the belts of the electric motors and the linear movements;
- Switch on the plotter and see if the software boots properly.

Always refer to an authorised technician to fix problems that you notice during monthly maintenance, except for cable exchanges that you can do yourself.

Long-term maintenance should be performed every six months and includes:

- Perform the same operations as for monthly maintenance;
- Clean the control block with alcohol or other cleaning agent suitable for soft LCD monitors;
- Check the cable connectors and clean the connecting elements with alcohol;
- Check the isolation along the whole length of the cables;

Troubleshooting

The plotter does not start, there is no light and the control block does not start:

Check for the following:

- Is the plotter connected to the electric grid?
- Is the emergency shut off switch pressed?
- Is there electricity available?

The plotter turns on, but there is no pneumatic pressure and the tools can not move up/down:

Check for the following:

- Is the compressor unit switched on and connected to the plotter?
- Are the pressure regulators set to zero pressure?
- Is there a leak of pressurized air from the pneumatic tubes?

The plotter does not receive data and does not perform the set task:

Check the following:

- Are the communication cables and ports to the PC properly connected?
- Are the communication cables and ports on the plotter properly connected?

The plotter is moving, but the carton is not creased nor cut:

Check the following:

- Is the cutting knife broken?
- Is the set cutting depth enough?
- Is the set creasing depth enough?
- Is the set air pressure enough?

The plotter stops suddenly while working:

Check the following:

- Is there electrical supply?
- Is there accumulation of dirt on the rubbing parts of the plotter?
- Are the terminal switches engaged (in an attempt to move the toolhead outside of the working area)?

Always refer to an authorized technician to fix problems that you notice during plotter operation. ATTENTION! It is strictly forbidden to open the covers and panels of the plotter except by authorized technicians or service centers. Opening the plotter voids the warranty.

Warranty

The warranty period is 12 months from the date of delivery to the customer. The warranty is valid only if the plotter has been used for its intended purpose according to these instructions and guidelines.

If during the warranty period the plotter malfunctions due to improper use or storage by the customer, the repairs are paid for by the customer;
The transport expenses for warranty repairs are split by the customer and the manufacturer.

Before calling the service center:

Try to troubleshoot the problem yourself.
Switch off the plotter and wait for one minute. Switch it on again and check if the problem persists.
If after the checks described above the plotter still does not work properly, please call your local service center.

Please provide:

Short description of the defect or problem; pictures or video are highly appreciated;
The exact model name and number of the plotter;
The serial number of the plotter;
Your contact name, address (including the postal code), telephones and e-mail.

PIRINA
TECHNOLOGIES

Pirina Technologies Corp.

Tsarigradsko Shosse Blvd., 7 km, ZIT Corp.1, Entr. B
1784 Sofia, Bulgaria

Tel: 00359 2 974 3430
Fax: 00359 2 974 0308
Mobile: 00359 888 929 738
e-mail: sales@pirinatech.com

www.pirinatech.com