

# LoomGate

## What

LoomGate is part of the Picanol PC Suite and can easily be installed by the customer on any PC that is connected to the company LAN. LoomGate brings the weave room to the office, using the standard networking capabilities of machines equipped with an interactive display. It offers an **overview of the weaving process** information and the possibility to **exchange data** with and between the machines.

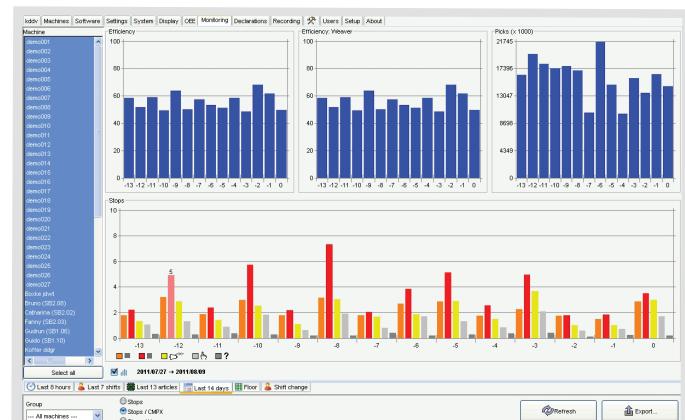
## Monitoring

LoomGate makes it possible to monitor the air consumption, the warp and order length, as well as detailed production data.

The screenshot shows the LoomGate Monitoring interface. At the top, there is a navigation bar with tabs: Machines, Software, Settings, System, Display, Monitoring, Recording, Setup, and About. The 'Monitoring' tab is selected. Below the navigation bar is a table with columns: Machine, Article, Picks, %, %  
User, Stop, Stop, Floor, Shift change, Start, and Speed. The table lists 10 machines (Machine 01 to Machine 10) and a total row. Each row contains icons representing different machine states. Below the table are several monitoring tools: Last 8 hours, Last 7 shifts, Last 13 articles, Last 14 days, Floor, and Shift change. There is also a 'Group' dropdown set to 'All machines' and buttons for Refresh and Export.

The screenshot shows the LoomGate Floor plan interface. On the left, there is a tree view of 'Groups' and 'Floors'. Under 'Floors', there is a 'weaving room' group which is expanded. Inside this group, there are icons for 'New', 'Rename', and 'Delete'. A grid displays several machines: Machine 01 (Article 1, 90%), Machine 05 (Article 1, 90%), Machine 02 (Article 9, 95%), Machine 06 (Article 2, 95%), Machine 10 (Article 8, 95%), Machine 03 (Article 6, 30%), Machine 07 (Article 6, 50%), Machine 04 (Article 3, 90%), and Machine 08 (Article 9, 95%). A tooltip for 'demo010 article5' provides detailed production statistics: % 50%, Weaver 70%, Picks 314 614, Length 157, Stops 37, Filling stops 6, Warp stops 13, Bobbin stops 12, Hand stops 4, Other stops 2, Start 0, and Speed 600.

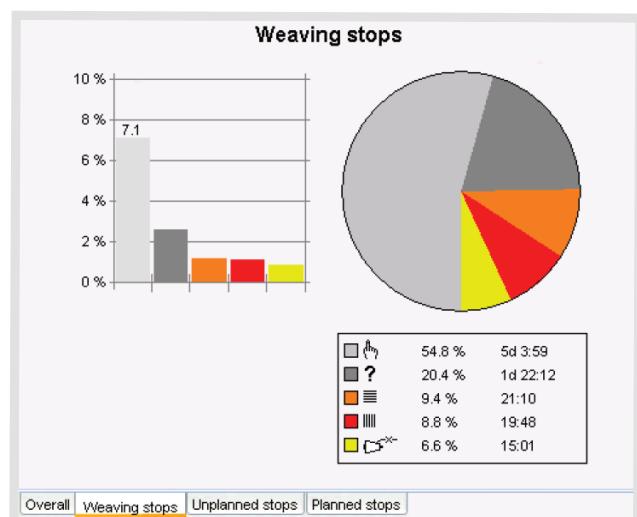
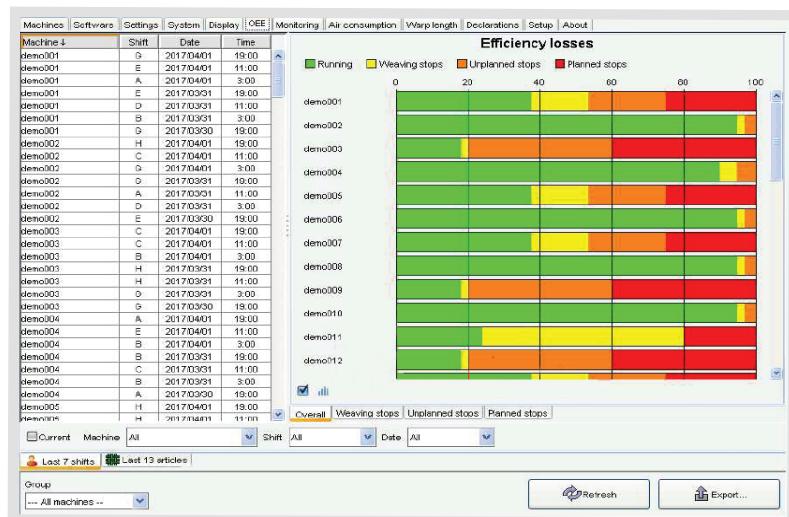
A **floor plan** shows a comprehensive overview of the production status of each machine.



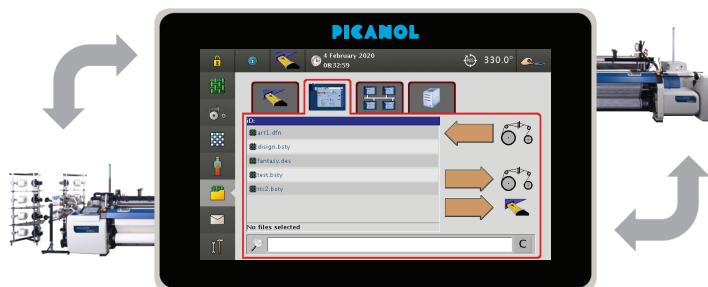
**Graphics & table overviews** allow efficient analysis of the production data. The data can be exported as CSV or XML files to be processed with programs like MS Excel, Access or custommade applications.

## Overall Equipment Effectiveness (OEE)

By enabling the operator at the machine to declare the reason of production stops, LoomGate makes it possible to categorize the most common causes of productivity loss according to the OEE standards. This makes it possible to **improve the effectiveness of the manufacturing process** by concentrating on the areas that will provide the greatest return on asset.



## Style transfer



The style transfer function of LoomGate allows the operator at the machine to download settings and/or designs that are stored on a central network disk. This enables to **centrally store and manage the article settings and designs**. The settings can also be uploaded from the machine to the network disk for later use.

## Diagnostics



By using the **remote display**, it becomes possible to check the machine settings and the weaving process parameters, while sitting in the office.

Picanol Original Quality Parts offers a wide range of products and solutions to increase the flexibility, performance and profitability of your installed weaving machines. We provide state-of-the-art technology adapted for your weaving machines, helping you to realize maximum weaving results and value of the machine investment. For more information, please contact your local Customer Service Representative (CSR).

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