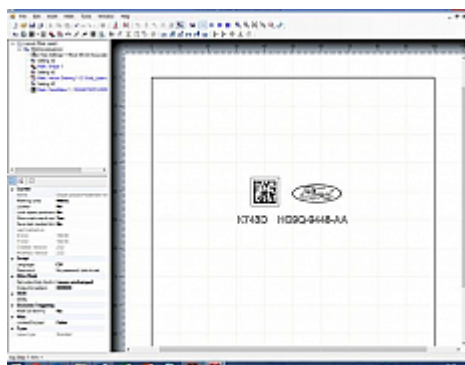


Layout Designer Marking and Traceability Software

SKU: **SFW-TIER1-TIER4-LD**



Layout Designer (also known as Project Designer in some versions) is a marking and traceability software module where marking projects are created and controlled, with the ability to link to an external database and control user access. This software module contains a range of standard and optional features including duplication checking and data reporting

- Create marking projects
- Control a marking machine
- Log mark data with duplicate checks
- Wide range of data access features allows easy integration
- Create and search reports on a local database
- Access/control User Manager functions

Présentation

Marking and Traceability Software

Layout Designer is a software module in Pryor's marking and traceability software suite. Installed on a PC, the main functions of this module are to create marking projects, access and record marking data and control a marking machine, including dot peen, laser, scribe and chemical etching machines.

MarkMaster User Guide Videos:

Inserting text and a Data Matrix code into a marking layout

Inserting an auto height sensing function into a marking layout

Using a Pryor controller to track the moves of a marking head

Marking a logo with a Pryor laser

Create Marking Projects

Marking projects are designed and tested in Layout Designer. Projects can be created using the machine controller PC or created remotely and stored centrally, for a machine operator to access.

Layout Designer enables the user to create a marking project, such as insert variables, manage unique marks, verify marks and create reports. Users can also set up and control additional marking and verification apps and equipment. A completed marking project contains all the instructions for the PC and marking equipment to perform

Nos solutions

- Logiciel de traçabilité
- Marquage automatisé
- Normes de marquage de l'aérospatiale
- Marquage de numéros d'identification de véhicule pour l'automobile
- Marquage de numéro de série
- Marquage de logo
- Suivi des données de production



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during the marking sequence.

The drag and drop editor for the elements to be marked. All the following can be inserted and edited at the click of a mouse:

- Data Matrix codes
- TrueType fonts
- Logos and images
- Serial numbers
 - automatically incrementing with each mark made
 - automatically generated within a given format
 - input from a database or production system
- Dates and date codes in the format of your choice
- Variable text/data from a barcode reader, dialogue box or other input
- 1D barcodes (laser and chemical etching products only)

Users can insert and import a range of graphic objects within the marking sequence, including vector drawings, such as a CE mark. Formats supported are HPGL 1&2 (plt) and dxf CAD files. For laser marking machines, users can also import bitmap graphical objects in jpg, jpeg, and png file format.

The most commonly used functions are serial numbering, using automatic incrementation or data from a separate file/IT system, and graphic layouts for marking logos alongside batch numbering. Users can insert a range of standard objects such as an arc, which numbers or text can be marked along, or use the polyline function, which allows the user to create objects.

Marking objects can be updated at a local and global level, ensuring layouts can be edited in one place within the software, and all layouts that are linked to it are automatically updated with that value the next time they are loaded.

The Operator Instructions feature within Layout Designer allows work instructions and prompts to be inserted within the marking sequence which are then presented to the machine operator. Operator instructions can consist of titles, instructions and images or other media such as web pages or video. These instructions will appear in the Production Interface module of Pryor's marking and traceability software suite.

Accessing External Files

Pryor's marking and traceability software offers the widest range of data access features, for easy integration with existing systems. Each marking project can be linked to an external file, such as an Access, Excel or CSV file. This feature allows manufacturers to access data, such as serial numbers, from their own IT system e.g. CRM, ERP, MES and PLM.

User Manager

Database security is ensured with protected use; fully configurable user rights to prevent the creation of fraudulent records. The User Manager feature in Layout Designer provides administration functions to limit the access of different users. The administrator can set defaults and passwords for users and establish user groups. When additional apps and equipment are in use, the administrator can change the application settings and access an audit log.

Data Recording

Layout Designer can access and record mark data onto an external database, whilst performing duplicate checks on the local PC. The marking process is linked to automatic record creation, allowing the software to log all data marked by the machine to the database. Records can only be created when an item is marked, eliminating the possibility of an error in the database.

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Pryor Technologie conçoit et fabrique la plus large gamme de systèmes de marquage permanent au monde, ainsi que des logiciels et lecteurs de codes-barres destinés au suivi et au traçage des composants.

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Layout Designer will also perform duplicate checks to make sure data has not been marked before. This feature allows the software to search the database at the beginning of a marking cycle to see if the value has already been marked. If a duplicate is found, an error message is displayed showing when it was last marked. This is a powerful feature designed to prevent duplicate serial numbers being marked on different components.

Data Reporter

Users can visualise, search and create reports from the local database. The flexibility of configurable data collection, combined with the volume of data which can be logged during marking, can add significant value to a database.

Bespoke Development

Get in touch with the Pryor team to find out more about our bespoke machine, automation and software design services.

Technical Help

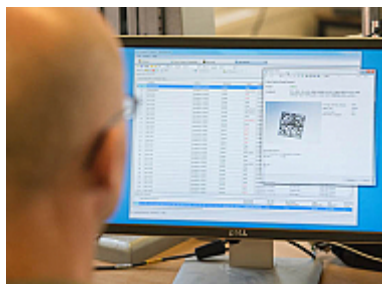
Pryor has a range of technical support articles:

[Industry 4.0 and the Importance of Product Traceability](#)

[What is a Data Matrix Code?](#)

[Use Traceability to Error-Proof your Manufacturing](#)

[Can't find what you're looking for? Contact the Pryor team](#)



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Products and Solutions available from Pryor



Logiciel de traçabilité



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