



ELECTRONIC FOR TEXTILE



MADE IN ITALY

COMPANY

OUR STRUCTURE

OMG has been on the design and production of special machines and mechanical equipment market since fifty years and now it is a well known company working for textile industries.

Our company is able to supply large and small fabric producers with the modernest gathering systems, the technical know-how and the information technology assistance.

Optimizing the financial investments, using an intelligent managerial center are objectives that can be achieved through the automatic data gathering and related software, necessary to manage and automate the textile factories departments.

Production indices, real-time data elaboration and development, with the aid of stand-alone or centralized network systems, these are the reasons of the central positioning of OMG on the market that indicates it as one of the most advanced companies in planning and realization of textile industry advanced technologies.

Warping and weaving automations are implemented by ACW-TEX and ACW-ORD systems that allow the real-time production monitoring.

ACW-ARM enables the automatic dobbies exchanges with the electronic armour.

ACW-SELV is a software used to realize the written selvages for JC4 JC5 JC6 Staubli Jacquard.

EAC-DFT is a system for the control of crude and finished fabric.



AMG WEAVING

ACWTEX WEAVING SYSTEM

AcwTex is an evolved bi-directional system for detecting and real-time control of all significant data concerning the weaving production departments. The system consists essentially of a TXC-1T unit installed aboard every loom of the weaving room for the automatic detection of production data and of a pc (server) that is connected to the serial line of the looms, which collects data from them, displays and processes to make them available in a fast and efficient way to the operators.

Each TXC-1T constantly detects motion and stops signals (weft, warp and miscellaneous) from the loom and using the serial line transmits this data to the pc. The pc, by the scanning of all the looms, collects data and updates them in real time on the main page of the program AcwTex (Monitor).

The pc also lets you manage production data for each loom so you can manage both on the TXC-1T and on the pc data such as styles, beams, weavers, operators, stop keys, shifts, etc.

Thanks to the real time analysis of the evolution of production, the system also allows the prediction of discharge, that is the planning of the weaving room in order to preview the end of production for each loom and for each beam; in this way you can plan the future production of the whole weaving department.

AcwTex is a user-friendly weaving monitoring system and is a very useful tool for the production planning: between the various features there is the possibility to integrate it with all ERP systems already working in companies so that they can use existing data about the production to perform (orders) and also dump the data pertaining to the production carried out which can then be used by administrative departments for the complete order fulfillment.

KEY FEATURES

- Automatic collection of data from any kind of loom
- Automatic management of shift and warp change
- Weaver exchange management anytime during the shift
 - Customizable timetable management
 - Many automatic and on-demand reports
- Video or printing on paper of discharge prediction and weaving room planning
 - Customizable management of key and stop action
 - Operators management
- Possibility to view and manage the system from one or more network pc
 - Integration with any management system (ERP)



WARPING

ACWORD WARPING SYSTEM

AcwOrd is an evolved bi-directional system that allows detection and real-time control of all data relating to the production and programming of warping and preparation departments.

The system consists essentially of a TXC-ORD installed on each of the warping machines of the department for the automatic detection of motion or break yarn signals and of a pc (server), which can also be the same used in the weaving department (if also system Acwtex is installed). The pc, which is connected via the serial line to TXC-ORD equipments, collects data coming from them, displays and processes the complete data in order to make them immediately available to operators of warping department.

Each TXC-ORD constantly detects the motion and stops signals through the serial line and sends these data to the pc which is continuously scanning all connected machines, collects data and updates the situation in real time on the main page (Monitor) of the AcwOrd software. In this way it becomes possible to handle, both on the pc in the office and on the TXC-ORD on the machine, all department's most important data such as: styles, beams, operators, stop and intervention keys, shift change, etc.

AcwOrd software allows better planning of production of the whole warping department and, if it is present inside the company also the AcwTex system for weaving monitoring, you can integrate the data of the two departments to manage the progress of production and to plan the supply of raw materials for both departments.

AcwOrd is a software for warping production monitoring very easy to use and can be integrated with any ERP software that is used within client's company. This allows an efficient exchange of data between production departments and administrative and accounting offices, thus allowing better efficiency and a more rapid exchange of information within the company.

KEY FEATURES

- Automatic withdrawal of data from the warping machine
 - Shift and operator change management
 - Customizable timetable management
 - Automatic and on-demand Reports
 - Stop and intervention keys management
 - Production progress management
- Possibility to view and manage the system from network pc
 - Integration with any management software (ERP)
 - Yarn supply management



OMG QUALITY

EACDFT FABRIC QUALITY CHECK

EacDft softwares for the control of fabric's quality, both finished than crude, were created by OMG in order to allow operators to make an easy and fast fabric check, and to print effective reporting of examined pieces.

With EacDft software a centralization of data becomes available not only for the fabric check department, but for all the business organization.

EacDft is a software you can install on any personal computer; on the pc, via a serial line, can be connected the instrument for meters reading and the one for weight's reading of the pieces.

The operator on the machine has to indicate, through pc's keyboard, the piece's start/end signal and to insert the detected defects; the system will automatically combine defects at its effective lenght.

At the end of check operation you can then print the summary reports with data of the checked piece and advance it to the following departments.

KEY FEATURES

- Facilitated introduction of defects using the pc keyboard
 - Management of start/end piece marks
- Free setup and defect classification (table entirely customer-definable)
 - Machine operator management
- Classification of defects "short and continuous" with indication of their position and relative metric length
 - Possibility to insert the data of the piece with barcode reader
 - Possibility of automatic sampling measurement of pieces via RS232 serial line
 - Possibility of automatic sampling of gross and net weight of the pieces via RS232 serial line
 - Possibility of manual insertion of "severity" of defects
 - Automatic calculation of the "discount" on piece's lenght
 - "End Check report" with summary data such as defects, weight, lenght etc.
- Possibility to customize the "end check report" with company logo and data in the desired language
 - Possibility of printing production and statistical reports for day, week and month
 - Print of the "mapping" of defects with possible exclusion of certain categories of defects



DOBBY PATTERN

ACWARM DOBBIES PATTERN TRANSFER

AcwArm is a system essentially composed of an electronic card fitted inside TXC-1T equipments and of a software installed on a pc that enables exchanging of the dobbies with the electronic armour of modern doobby looms.

In this way it becomes possible to transfer the doobby to the loom without using special electronic equipment with their special cables and connectors or memory cards on which copy the designs before you can transfer it to the loom.

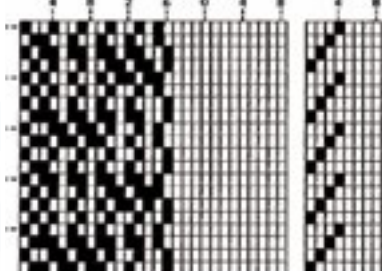
To transfer a doobby pattern to the loom You simply have to type on the keyboard of the TXC-1T the doobby's code itself, enter a confirmation code and press "send": the pc, on which there are the program AcwArm and the archive of available dobbies, then takes care of managing the request and will send the same.

Once the transfer is ended, on the pc and on the display of TXC-1T equipment, will appear a confirmation message. The Transferring of a doobby pattern then becomes a very simple task and does not require any external equipment (programmer or memory card).

The pc containing dobbies' archive can also be connected trough the network with an eventual "cad-cam" system present on the farm; in this way will be possible to send dobbies directly from designers' office to the weaving room and having doobby patterns on a single pc is a considerable advantage in terms of data centralization and useful management.

KEY FEATURES

- Possibility to call dobbies from the TXC-1T aboard the loom and transfer them to the loom itself (directly or on loom's memory)
 - Transfer from the pc where there is dobbies' file
 - Same procedures for any kind of loom with electronic doobby
- You do not need different hardware and cables depending on various models of looms
 - There is no need for memory card or other storage media and transfer.
 - Cad-cam interface



AMG SELVEDGES

ACW-SELV DESIGN AND MANAGEMENT OF WRITTEN SELVES

Acw-Selv is a software that allows a quick realization of written selvages and makes them immediately available for jc4 jc5 jc6 Staubli jacquard.

Acw-Selv creates new selvages directly using Windows fonts or using them for creating custom scripts. In this way procedures for the creation of a new alphabet are greatly facilitated and you can also use special characters to create corporate logos or trademarks.

The Acw-Selv software also allows a free and simple creation of bottom dobbie patterns so that you can better combine them to the created selvages and to weaving needings.

Once launched the software, the user is immediately in the condition of building a new written selvedge or view and edit a previously created one. From the menu "Selvedge" you can choose whether to use an existing alphabet or not and if so choose any Windows font for starting. In any case it will be then possible making general changes to all the alphabet or to any single character (letter, number, symbol or logo).

A similar procedure can be used for the bottom dobbies where you can choose whether to use an already present one in the archive or build one from scratch with the appropriate tools available in the software.

Finally, once the written selvedge and the dobbie are composed, you can view or print the final result.

KEY FEATURES

- Easy creation of new custom alphabets from Windows fonts
 - Direct creation of written selvedge with Windows font
 - Simplified creation of bottom dobbies pattern
- Possibility to define, during construction of the selvedge, the spacing between words as well as between the various repetitions
 - Possibility to save selvages in jc4 jc5, jc6 format for jacquard or in bmp format for subsequent changes
- Direct reading and writing of jc4 floppy disks or jc5 and jc6 files
 - View and print of selvedge's preview
- Easy creation of logos and special characters





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