

SOFTWARE SUPERVISOR

SUPERVISOR SOFTWARE

SUPERVISOR is a MES style software which is in charge of the execution, management and monitoring of the production in an assembly workshop for fiber optic connectors. Its role is to supervise machines and help operators with complete traceability of the manufacturing information. SUPERVISOR's aim is to monitor the assembly workshop to continuously improve the process in three phases: **Measure, Analyze and Optimize.**

Interfaced with the measurement equipment, SUPERVISOR guides and reacts instantly to the activities of the production line.

It is the central point of all the data, in charge of **transmitting the right information at the right moment**, both to the operator (pass / fail criteria, traceability, progress of the workorders) and to the machines (Start / stop, parameterization of machines, measurements).

By capitalizing on all production data in real time, SUPERVISOR has an overview of the progress and performance of a **workorder in real time, making it the ideal complementary tool for an ERP.**

FOR WHO?	FOR WHAT?	WHAT CONTRIBUTIONS FROM SUPERVISOR?
TOP MANAGEMENT	Increase the manufacturing rates Reduce production costs	Optimization of production lines Decrease of production time Overview of production data
QUALITY MANAGER: CONTINUOUS IMPROVEMENT	Be part of the manufacturing process Be alerted of drifts and problems	Integration of the information from the assembly process Real-time reception of quality alerts
PRODUCTION MANAGER	Optimize the activity of the operators Ensure the quality of production	View of the work in progress in real time Monitoring key indicators through a supervision screen Identification of bottlenecks
WORKER - OPERATOR	Have the right information at the right time Report incidents and disturbances during Production Avoid manual entry as much as possible	Using connected instruments

THE MAIN FUNCTIONS OF SUPERVISOR

- › **Data collection and acquisition** : Allows the input of all information during production, manually entered and coming automatically from connected equipment.
- › **Staff management** : Manages the necessary skills and authorizations for users, products and / or operations.
- › **Resource Management** : Defines and follows the status of each resource (production, shutdown, outage, material shortage ...).
- › **Mastery List** : Manages the flow of production data between the ERP and the workshop.
- › **Product traceability** : Associates a part or batch with all its manufacturing data of the components.
- › **Quality management** : Masters the quality of manufacturing processes. This function can be directly integrated into the MES software or can use SPC software.
- › **Performance Analysis** : Consolidates data to calculate the key indicators of production (first pass yield, reworks, efficiency, performance ...).
- › **Document Management** : Makes available to the operator the documents necessary for the realization of his work.

FROM THE PROCESS

- › Connected to an ERP software, SUPERVISOR collects the information related to the production order, then sets the equipment according to the products to be manufactured.

The screenshot shows the SUPERVISOR web interface for editing product 84072212. The interface includes a navigation bar with 'SuperVisor', 'Home', 'Dashboard', 'Cockpit', and 'Settings'. The user is logged in as 'Admin Admin'. The main content area shows the product details and specifications form.

Editing product 84072212 (by Data-Pixel)

Product serial number: AAA72212

Product specifications


Article:

Default cable length (m):

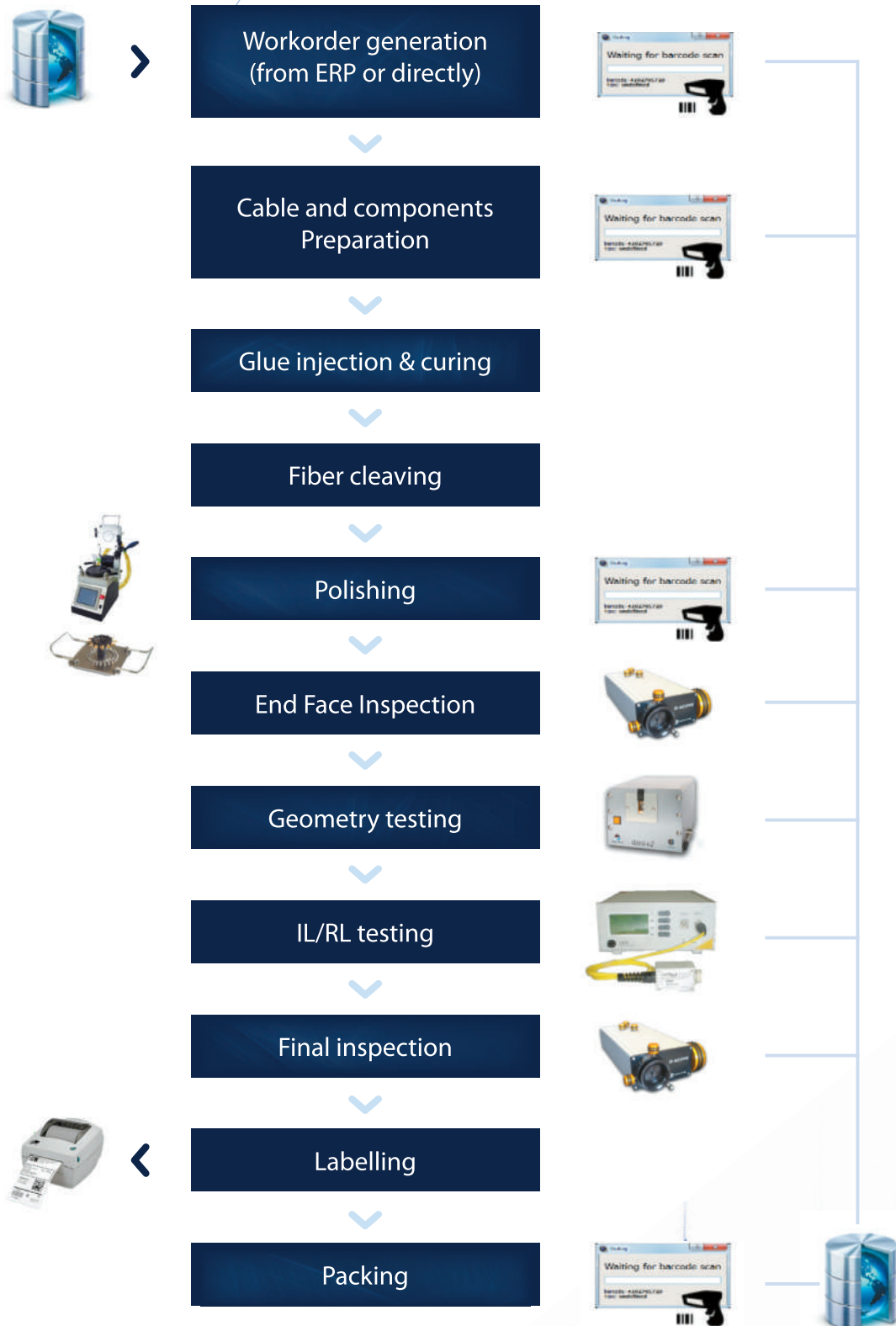
Cable: Cable diam: Fiber: Nb fibers:

Plug A: Plug B:

IL/RL profile Plug A: IL/RL profile Plug B: Test setup: Geometry profile Plug A: Geometry profile Plug B:

Image: 

› At each stage of the manufacturing process, the information is integrated into SUPERVISOR by scanning the work order or directly from the equipment used.



- > All the data is recorded in real time in a database accessible by authorized users.
- > The information is processed in real time and can be consulted in a control panel dedicated to each designated user.

