

Rewire your business  
with model-based  
wiring harness  
development  
approaches

*Improve efficiency with zavi srl  
solutions*

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# Challenging trend in the wiring harness cabling



## Our market

Our international export represents a strategic market on which to focus resources and investment.



## Raw materials

The materials used come from a certified supply-chain, with qualified suppliers.



## Cabling harness

Our production process is characterized by advanced precision solutions.

# Master the challenges of the wiring harness with zavi srl solutions



Outdated process and loss of knowledge are jeopardizing your wiring harness business

- Conventional method
- Changes to improve efficiency
- Manufacturing documentations are completed with Microsoft Office applications
- Manual data sharing costs money and can jeopardize a good customer relationship
- With a fragmented work-process, manufacturing operators have little time for optimization and innovation
- In this way, new product introduction cycles can take months to be fully implemented
- With current method, creating work instruction is a difficult job that requires skill and expertise to complete accurately, and on time
- Work Instructions that are late or low-quality can lead to inadequate and unsatisfactory workstations
- All this will have significant repercussions on your business



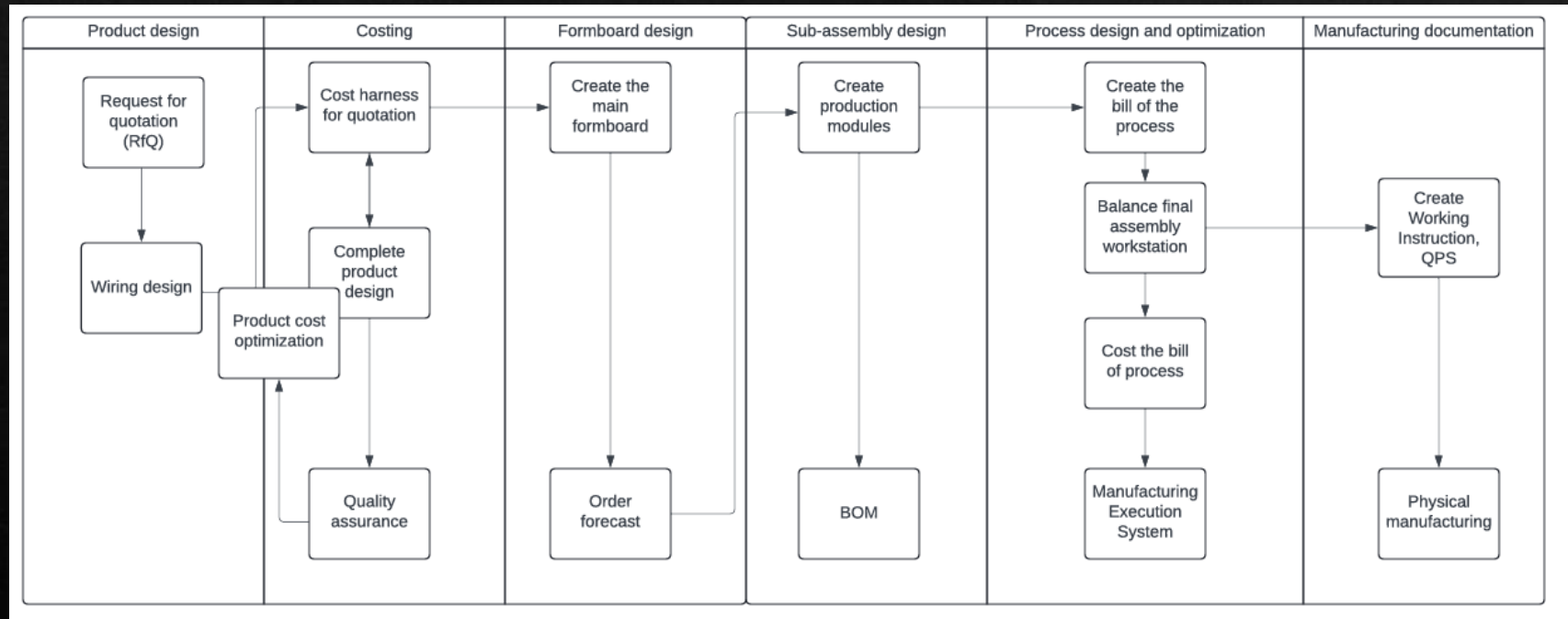
# A flow based on a qualified process model makes processes streamlined and easy to perform.

As we have seen, the conventional wiring harness manufacturing methodology is vulnerable to errors from fragmented processes, the loss of knowledge and inaccurate costing.

As a result, manufacturing and overall costs can overshoot the quotation made to the customer, and production quality can suffer. A model-based flow unifies the fragmented domains of manufacturing by automation data exchange.

Using a digital thread, product cycles are faster and issues can be resolved earlier in the process. Thus, you can accelerate development cycles to bring new products to market faster than ever.

## Wiring harness design through manufacturing process flow



# Our solutions proudly presents wiring harness development portfolio



There are three key aspects to digitalizations and the model-based enterprise you should consider to thrive in the wiring harness industry.

- a. The first is the use of digital models of the wiring harness production and the manufacturing process; together, they constitute the digital twing
- b. Automation is the second pillar: design rules created by experience can be used to automate the transformation of the digital twing into bills-of-process, Working Instruction and other formal output. This simultaneously embeds knowledge into the company's production flow.
- c. The third pillar is data re-use. A model-based production flow is created and re-used to the greatest extend possible by all upstream and downstream consumers.

## OUR SOLUTIONS FOR YOU SUCCESS

Reduce design errors

-50%

Quote-to-production cycle time

-30%

Reduce design errors

-50%

# Zavi srl

## Applicazioni elettroniche

- ◆ For more information on our solutions, visit [www.zavisrl.com](http://www.zavisrl.com) or follow us on LinkedIn.

