

# NEWS LETTER



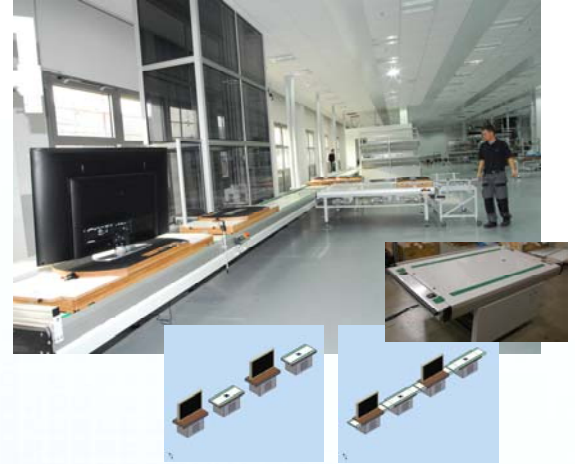
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## Big size LCD tv assembly line Loewe

IPA designed big size LCD tv assembly line for Loewe. The design of this lcd tv line is based upon flexibility, ergonomics, accessibility of the product from all sides during assembly process and operator interface. This design is the result of team work in between IPA, Loewe and Fraunhofer Institute Germany during application engineering process.

With this goal in mind IPA developed for LOEWE an assembly solution where operators are able to walk and work 360 degrees around the product. Beside workspace is the design extremely modular for future developments and re-engineering of the production.



## Handling devices for big size LCD tv sets

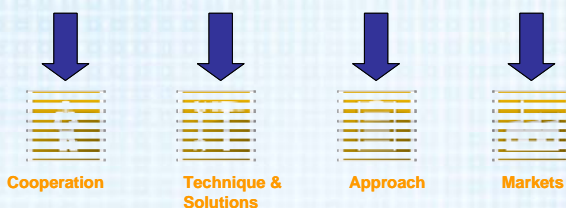
The handling of the product during assembly process is an evident process. The lifecycle of LCD televisions is short. The rapid design changes and short time to market creates major pressure on the flexibility of the assembly solution. The size of the products is growing and the requirement to have a flexible and upgradeable handling device is a must. IPA designed together with it's partner Dotec a range of product handling devices to handle product during product assembly process.



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- LCD panel assembly line
- Quick connection coupling assembly solution for health care industry
- Equipment design for solar panel assembly process based upon lean manufacturing, cost efficiency and flexibility
- Re-engineering of transport system, short and long stroke lifts in relation to different product assembly solutions

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