

# Proven. Reliable. Intuitive.

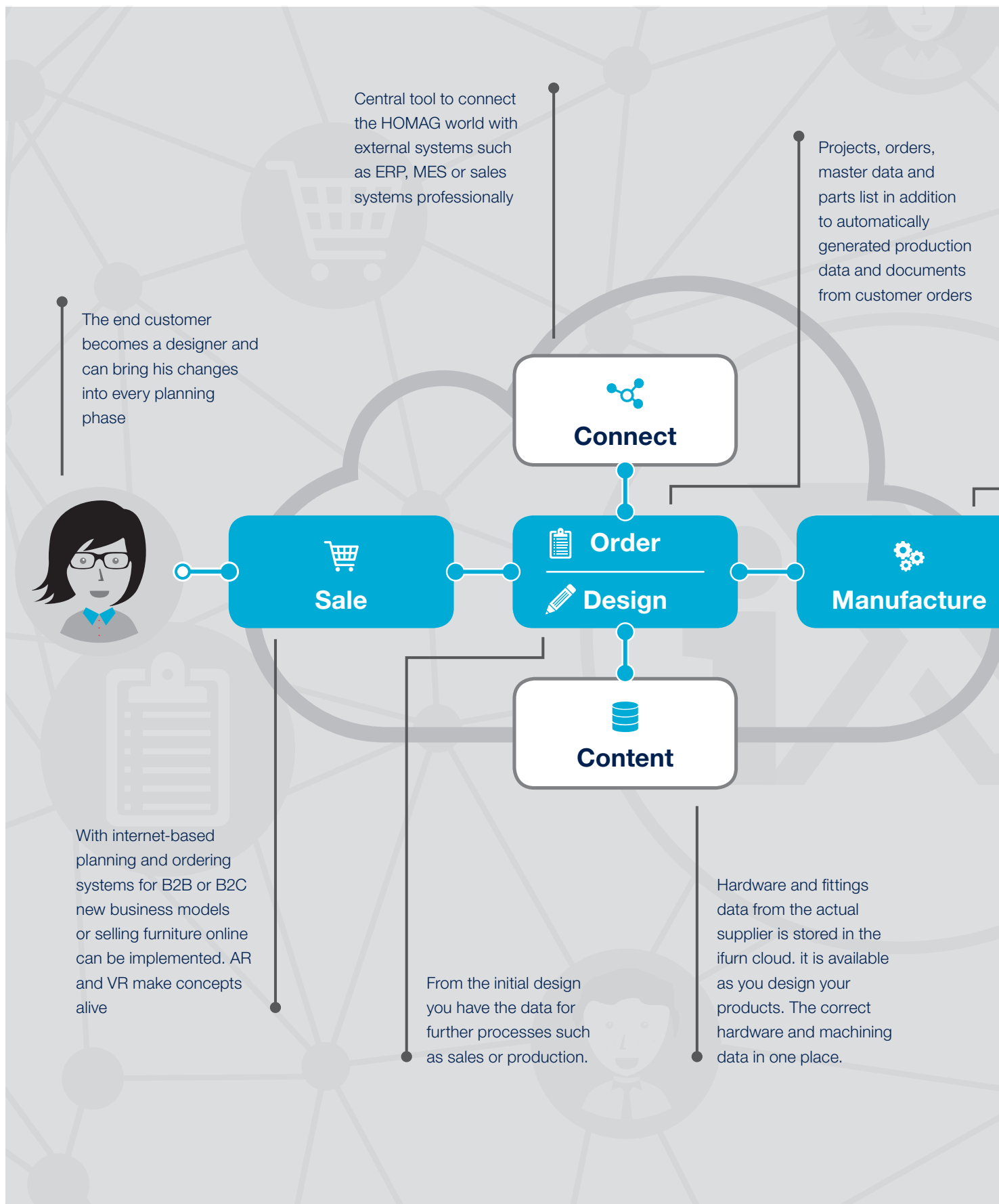
**HOMAG**

## **Our 3D-CAD/CAM solution**

HOMAG iX: Consistent software from sales over planning, presentation and design to manufacturing.

## **YOUR SOLUTION**





## HOMAG iX – 3D design and production for furniture and interior fitting

Do your customers require even shorter delivery times? Increasingly individualized request? With HOMAG iX software, you have the flexibility to deliver to your customers their designs profitably. A software solution should support your entire process: planning and presentation, design and manufacturing. It must be able to adapt to changing customer requirements during the process. Based on proven CAD/CAM technology, you can save up to 70% of the time to get work from the customer idea to the production process with HOMAG iX.

### YOUR SOLUTION

**MORE: HOMAG.COM**



HOMAG iX

The design is used to create accurate components with associated machining and transfer these programs to your machines



CNC machines, beam  
saws and production  
lines

- Standardized database for all iX applications
- Scalable & connectable
- Integrated & precise

## Master the Order – from the End Customer to the Machine

**INTEGRATED AND INDIVIDUAL** HOMAG iX combines software modules that supports your manufacturing process. From sales, presentation and design, planning and production to create an efficient managed process.

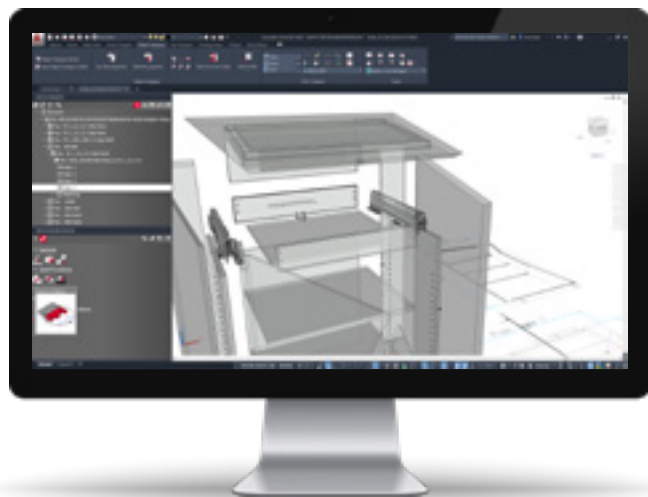
The industry specific 3D design tools are linked with modern machines and new communication platforms. This enables individual pieces of furniture or complex interior design concepts can be efficiently produced. High level of design detail guarantees more accuracy in the manufacturing process.

# Individual Designs – fast & precise

## iX MODULES: CAD, DESIGN, ORGANIZER

### Efficient 3D design

iX CAD is the tool for design and 3D data modelling: Individual furniture or entire room plans can be designed and impressively presented in the shortest possible time. Components are created from materials, coatings, edges and profiles, which are assembled on the screen into furniture and furnishings.



Design assistants and optimum operating sequences ensure simple and rapid design. Thanks to the parametric design approach, details, entire assemblies or room plans can be changed and recalculated at any time.

In addition, iX the initial design is ready for the order process.

The parametric furniture designs can be directly integrated and processed in the digital catalogues of the HOMAG iX sales solutions.

- Parametric and free design in 3D
- Intelligent fitting selection and positioning
- Room planning
- Interactively customize user interface

# Automated Production Data

## iX MODULES: INTEGRATION SERVER, ORGANIZER & ADD-ONS

### Decentralized order processes

The order processes and the final production data generation can be largely automated by linking HOMAG iX CAD with the installed ERP system. This task is performed by the Integration Server. The result is complete and technically flawless data for the entire order and production process.

In connection with the iX NET and iX PLAN software modules, orders can be entered remotely by the end customer or in the showroom and then loaded into iX CAD in the form of an order.

The use of the same data in different applications ensures accuracy and consistency throughout the entire process.



- Task-specific assistants
- Output of cutting and parts lists
- Generation of drawings and sections

# Direct to the Machine

## iX MODULE: CAM

### Linked perfectly

Completed orders originating from either iX NET, iX PLAN or iX CAD can be sent directly to the CNC machines.

From the finalized design, iX CAM automatically generates the CNC programs for all common machine manufacturers – whether an individual CNC machine, an automated workshop center, or a totally networked production plant.

In addition, the entire production processes are mapped and the CNC data generation adapts to the respective production workflow.



### Complex production processes

The automated CNC data generation in iX CAM can take place via several workflows and enables flexible production planning. Thanks to special milling strategies, solid wood and frame parts are machined considering their respective grain direction.



- Control of most CNC machines and production plants
- Production lists and CNC data directly from iX CAD
- Automatic tool allocation
- Multi-machine operation
- Special machining strategies for solid wood machining, edge banding on CNC and nesting machines
- Calculation of machining times



# Various Applications – one System – one Database

## One record for all possibilities

During the design of the furniture, a database-driven production model is created. This data model is then instantly available across the other modules. Basically, the same data base is used for different solutions in the areas of design, production and sales.

Data creation and maintenance can be kept to a minimum with the HOMAG iX data model.

## Cloud service for supplier data

iFurn is a cloud service for supplier data and specifically tailored to the needs of the furniture industry. Well-known suppliers provide their current product data in the cloud, which can then be downloaded and integrated directly into iX CAD.

An integrated configurator assembles the individual hardware components into useful packages and, if necessary, prepares them for installation in assembly units. The fitting can then be animated in CAD to check its function.



- **Cross-application use of the data for the entire order and production process, including sales**
- **Verified original data from the supplier**
- **Desired products and accessories can be found quickly**
- **Simply integrated – optimally connected – working independently**

Simply integrated –  
optimally connected –  
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## iX MODULES: INTEGRATION SERVER

- **Web services for process automation**
- **Process monitoring**
- **Error Logging**
- **Data exchange across systems**
- **Multi-process execution**
- **Numerous interfaces to ERP, MES and industry solutions**



## Optimization through integration

Business processes between various applications can be effortlessly mapped with the help of the Integration Server. Intelligent software agents – so-called iBots – are assembled into interface apps and then use the Integration Server to independently exchange data between different applications such as ERP, MES and POS and process them accordingly.

# Plan & experience Rooms

## iX MODULES: NET, PLAN, 360

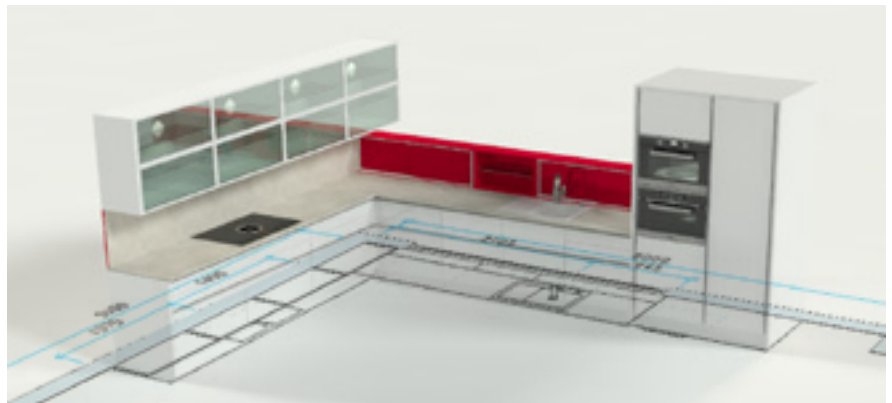
### Access multi-channel sales

iX NET is the web based application for planning and sales. In a few steps, tailor made room layouts can be planned and realistically visualized. Now your customer can see his ideas and make final decision quicker.

### Collaborative planning

Furniture can be configured on the screen with the mouse or on the tablet and can be adapted to any shape, color and function. Price information is calculated immediately and photorealistic images can be generated. The different applications, which are optimized for different user groups, communicate with the same planning result, but allow different editing possibilities.

- Smart room monitoring and planning
- 3D product configuration
- Price calculation with quotation output
- Collaborative work
- High-end rendering
- Interactive VR
- Mobile and browser-based



- For multi-channel sales
- For B2B and B2C solutions
- Scalability of applications and data
- One catalogue for all applications

### For a quick design

In addition to the online applications, iX PLAN offers a desktop planning solution simpler than the standard for the professional user. Thanks to extended functionality, the articles can be further customized. Long parts such as worktops, plinths and cornices as well as room specific components can be produced technically correct and prepared precisely for the order in the factory.

### Versatility

Highly scalable applications, the central database and the bidirectional data exchange between the applications support individual B2B and B2C strategies right up to multi-channel sales.

### Experience and share furniture planning – virtually

Virtual Reality can already be used in the design phase in direct dialogue with the customer – together in the showroom or at home. Planning results from iX NET and iX PLAN can be shared and virtually experienced in every phase across applications via VR.

**HOMAG Group AG**

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**YOUR SOLUTION**

