



ClipX

Process innovations for control cabinet manufacturing

ClipX.Loader

Automated assembly of DIN rails

The ClipX.Loader assembly system automatically assembles DIN rails with snap-on components.

- Processing of NS 35/15 and NS 35/7.5 DIN rails with a length of 150 ... 800 mm
- Snap on components with individual contours and sizes
- Increased assembly speed, thanks to Rail-to-Product technology
- Up to 10 magazines per rack drawer
- Packaging designed for automation allows for easy filling



Contour-sensitive snapping on of components



ClipX.Loader for automa



Automated assembly of DIN rails

ClipX.Marker

Quick and precise marking of components with laser technology

The ClipX.Marker system marks completely assembled DIN rails fully automatically using laser technology.

- Processing of NS 35/15 and NS 35/7.5 DIN rails with a length of 150 ... 800 mm
- High-quality marking, thanks to a proven material and process combination
- High-speed marking and a great deal of precision, thanks to the integrated Turn-Move system



High-contrast marking, thanks to laser technology



ClipX.Marker for fast, precise



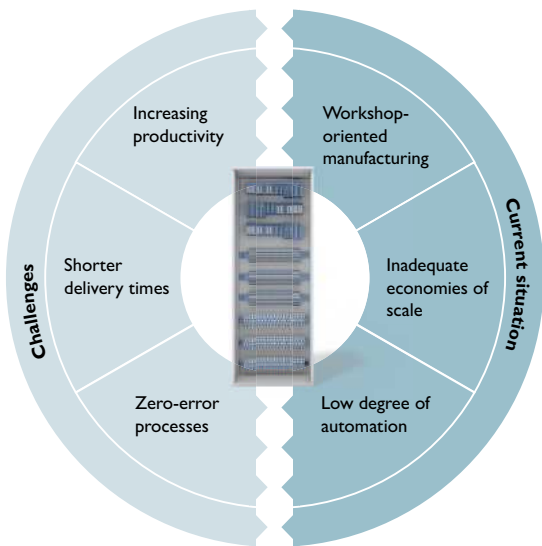
precise marking of assembled DIN rails

ClipX – Process innovations for control cabinet manufacturing

Defining requirements

The conflict that exists between growing demands and existing solutions presents the control cabinet manufacturing industry with unique challenges:

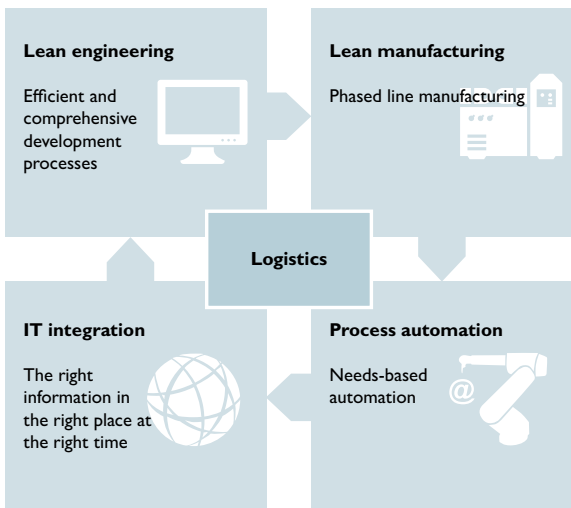
- Ever shorter delivery times and increasing competitive pressure demand error-free manufacturing processes
- Existing methods and processes limit growth and further development



Creating a solution concept

With its ClipX concept, Phoenix Contact takes all relevant company processes in control cabinet manufacturing into account and analyses them accordingly.

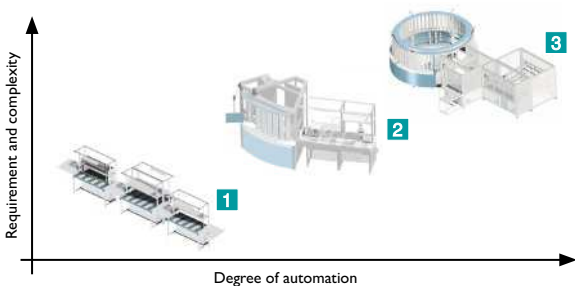
The solution concept is based on proven core technologies and broad expertise in the engineering, IT integration, production, and logistics environment.



Implementation

The optimal solutions are determined by taking into account the jointly developed requirements and implemented with the required degree of automation.

- 1** Manual systems integrate human beings into the process and offer optimal support for managing increasingly complex tasks. These systems are most often used for small to medium quantities with a high degree of variance.
- 2** Semi-automated systems combine the strengths of man and machine. The symbiosis of automated and manual processes as well as the integration of collaborative systems is ideal for medium to large volumes.
- 3** Automated systems are available for the efficient assembly and marking of assembled DIN rails. They are used for medium to large quantities with a high degree of variance.



We offer you

- Observation of the entire value chain and analysis using modern methods
- Joint development of a customer-specific, innovative, and sustainable concept for process design that takes into account and includes training for all parties involved
- Sound process knowledge, thanks to a high level of vertical integration and in-house machine building

Smart production	Intelligent IT	Lean processes
Workplace design	Interface optimization "Interfaces as an enabler"	Value stream optimization in control cabinet manufacturing
Worker assistance	Optimized data quality and availability "Data as a key"	Lean engineering for control cabinet manufacturing
Application-specific automation	Optimized IT processes	Shop floor management for control cabinet manufacturing

COMPLETE line



Discover the extensive COMPLETE line product range and find out more about COMPLETE line and the comprehensive solutions for your control cabinet.

Visit our website:
phoenixcontact.com/completeline

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
32825 Blomberg, Germany
Phone: +49 5235 3-00
Fax: +49 5235 3-41200
E-mail: info@phoenixcontact.com
phoenixcontact.com

Printed in Germany
© PHOENIX CONTACT 2019

ICC10-19.003.L3
MNR 1107426/2019-03-31/00



INSPIRING INNOVATIONS

