

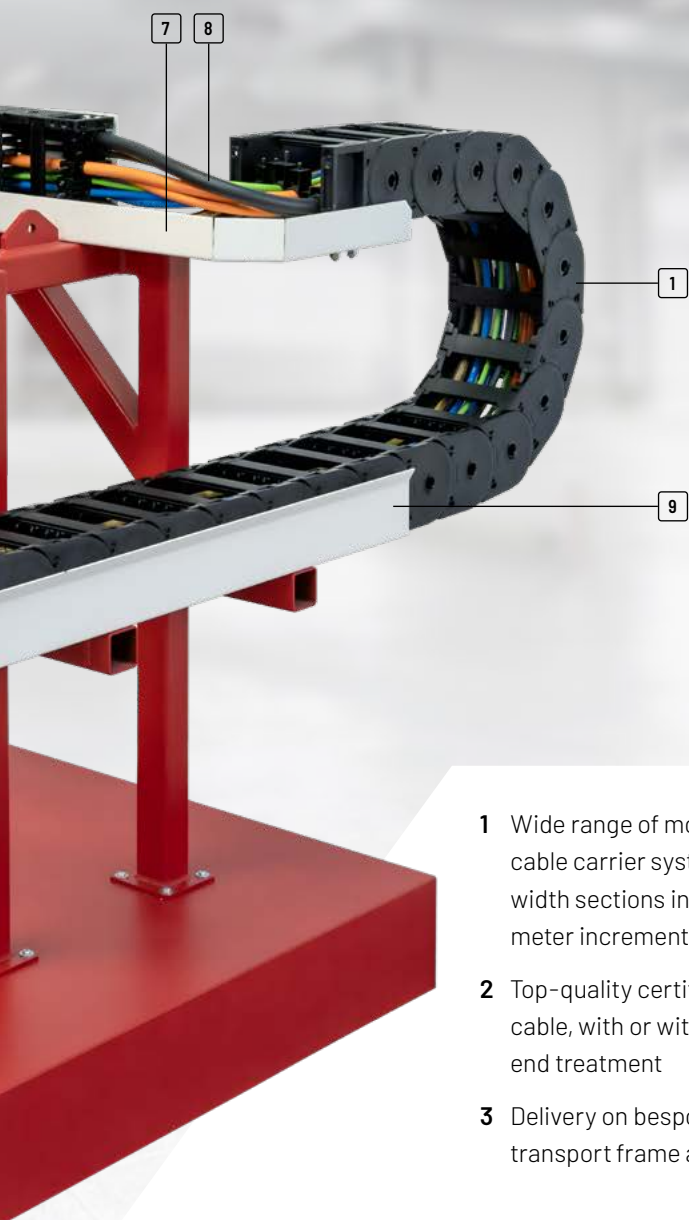
FLEXIBILITY THROUGH MODULARITY

TOTALTRAX® – Plug & play cable carrier solutions

TOTALTRAX® – INDIVIDUAL, HIGH QUALITY AND READY TO USE

Our TOTALTRAX® complete systems are as individual as the machines in which they are used. They are configured uniquely to customer specifications and all components are perfectly coordinated. The focus here is always on customer service: You communicate your requirements to us, and we do the rest!





- 1** Wide range of modular cable carrier systems, width sections in millimeter increments
- 2** Top-quality certified cable, with or without end treatment
- 3** Delivery on bespoke transport frame available
- 4** Optimized interfaces: minimized installation effort
- 5** Optimal cable separation and clamping for a longer service life
- 6** Additional components, such as sheet metal or add-on parts (S-A boxes, etc.)
- 7** Multi-axis systems, intelligently planned for efficient installation
- 8** Hydraulic or pneumatic, lubrication or cooling hoses
- 9** In-house sheet metal production

YOU MANUFACTURE! WE TAKE CARE OF THE DETAILS!

As the longest serving provider of cable carrier systems, allow our product and industry experts to come up with a tailored and optimised solution. You can save time and space assembling on-site with a bespoke solution available quickly, flexibly and competitively priced.. It often makes more sense to use a a customized complete system instead of assembling the individual components in-house.

Increased efficiency

Pre-assembled components speed up assembly and minimize errors.

Cost savings

Standardized components reduce costs through economies of scale and lower purchase prices.

Flexibility

Components can be adapted to different machines, which optimizes warehousing and delivery times.

Quality assurance

Strict controls guarantee high quality and reliability every time.

Reduced complexity

Assemblies simplify final assembly and improve production overview.

TOTALTRAX® systems are the trend for customer inquiries

Beyond the typical applications for machine tools, they have also proven successful in areas such as steel works, railway engineering and the textile industry. Almost any industry or application benefit from TOTALTRAX® - from milking machines and 3D printers to workshop cranes. Thousands of TOTALTRAX® systems are in use worldwide, each individually adapted to the cus-

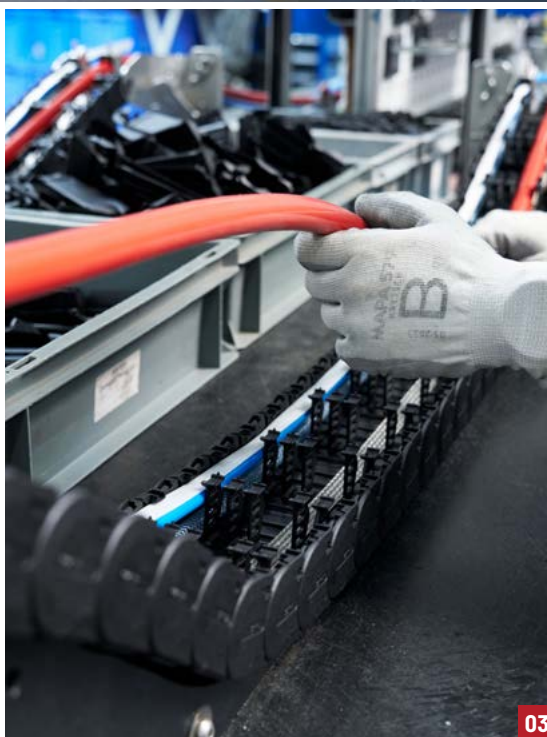
tom application. Whether its a cable carrier or a highly complex system - we offer ready-to-install assemblies for almost any area of application. Available for custom builds or large production runs, with or without connectors, sheet metal, or add-on components, in single- or multi-axis configurations.



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01 High level of vertical integration and engineering competence: TSUBAKI KABELSCHLEPP has great expertise not only in the area of injection molding, but is also at home in the field of mechanical and plant engineering.

02 TOTALTRAX® advantages: Instead of the customer assembling the chains, cables, connectors, and inner distribution themselves, a complete system is available to increase efficiency.

03 Assembled TOTALTRAX® systems help users to focus on their core skills while improving the predictability of their processes and creating cost transparency and reliable quality.



01

FLEXIBILITY THROUGH MODULARITY – MODULAR SYSTEMS FOR CABLE CARRIERS

When configuring the customized TOTALTRAX® systems, we consider all our cable carrier ranges and components.

Thanks to our huge range of modular systems, an optimum solution can be generated for virtually any requirement. The cable carrier material does not have to be compromised. Depending on the application and local conditions, steel, plastic or hybrid carriers can be used. Hybrid carriers combine plastic sidebands with aluminium profiles and can cover any required width in millimeter increments. Compared to our competitors, we can fall back on one of the broadest portfolios in the industry. That gives us the option of offering a large number of size and width variants – all without any material sacri-

fice. Customers can find anything from small plastic cable carriers to XXL steel cable carriers in our range.

Comprehensive consulting for design, project planning, and component selection in various areas:

- » Configuration of the cable carrier
- » Cable selection
- » Plug connection optimization
- » Interface planning
- » Delivery condition



01 Anything is possible: from one-off custom items to large production runs, with and without connectors, sheet metal and add-on components, as single-axis or multi-axis systems.

02 Our application engineers dive deep into the project, look at all the details with the customer, and then offer suggestions for a suitable solution.

EVERY MACHINE IS DIFFERENT!

Individual requirements, different variants, and established structures are the norm in practice. The key is to manage this complexity in a structured way. The following five examples illustrate the approaches we use to successfully achieve this in our current projects.

Modular design

- » Use of standardized modules that can be flexibly combined.
- » Simplification of warehousing and production.

Traceability

- » Documentation of all important details for every department: mechanical design, electrical design, fluid technology, hydraulics, etc.
- » Easy traceability and transparency in the production process.

Advance clarification of variants and options

- » Early coordination with customers about possible variants.
- » Reduction of misunderstandings and unnecessary rework.

Clear, predetermined Pricing

- » Fast and precise cost determination.
- No additional steps for new quotes.

Configuration management

- » Systematic management and documentation of all variants and options.
- » Ensuring consistency and quality.

WE ACCOMPANY YOUR PROJECT FROM START TO FINISH

We take a look at your specific space situation, because our TOTALTRAX® system has to fit

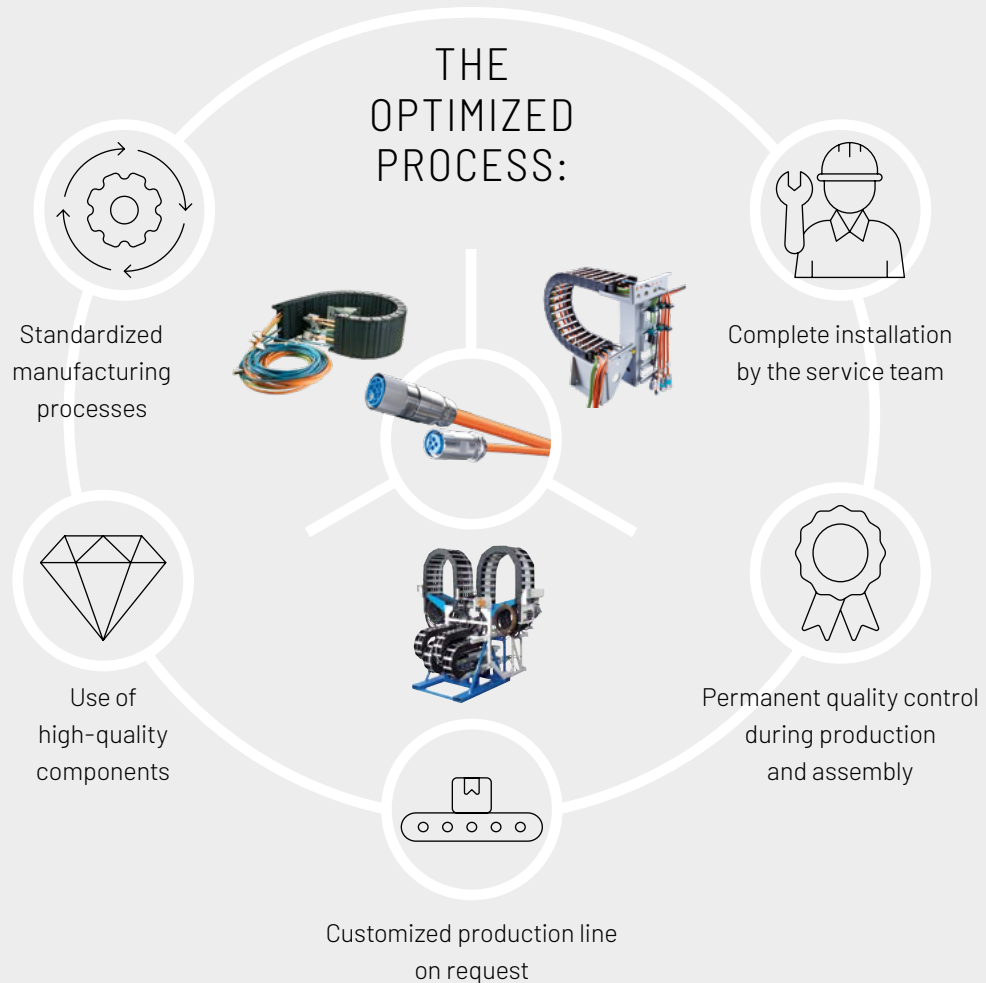
We determine the best layout, how the ambient influences can be compensated, and so on. To do this, our application engineers dive deep into the project, discuss all the details with you, and then offer suggestions for a suitable solution.

The principle of “the sooner, the better” applies.

If our experts are already involved at a very early stage of the design engineering phase, they can help with deciding how the cable carriers

will be joined to the machine. The interface should always be planned in such a way that the TOTALTRAX® systems can be easily and quickly installed as a complete module later on. This means we can help our customers optimize their interfaces.

We are at your side from planning and consulting to delivery and installation. Our ready-to-install complete systems save resources and reduce costs.



COMPREHENSIVE DOCUMENTATION

Each system is professionally documented to ensure traceability. This ensures transparency when adjustments are made to the system.

Error minimization

Misunderstandings and errors are minimized because the necessary data is accessible at all times.

Ease of maintenance

During maintenance or updates, the documentation serves as a reliable reference to ensure smooth processes.

Security

Documented measures ensure compliance with security-related requirements.

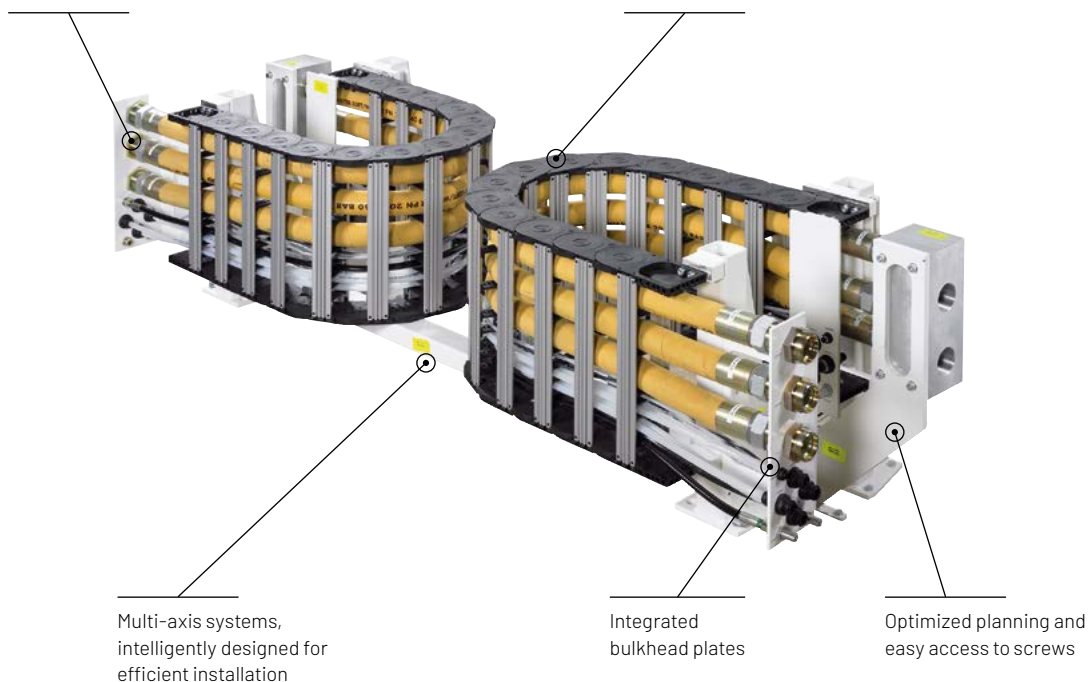
Efficiency

New team members can get up to speed faster because all relevant information is clearly presented.

THE PERFECT INTERFACE

Additional attachments, such as valve islands, mean minimal effort for you

Balanced delivery, quick and easy assembly



Multi-axis systems, intelligently designed for efficient installation

Integrated bulkhead plates

Optimized planning and easy access to screws

5 ADVANTAGES IN DETAIL

Cost efficiency and transparency:

The manufacture of assembled cable carrier systems, often multi-axis, requires considerable investment in equipment, personnel, and materials! By purchasing ready-made TOTALTRAX® systems, companies can significantly reduce

these costs. You also benefit from clear and predictable cost structures. You know in advance how much each assembly will cost, which makes budgeting and planning easier.

Save time and space:

Manufacturing assemblies can be time-consuming, especially if the company does not have the necessary resources or if production capacities are fully utilized. By purchasing ready-made

TOTALTRAX® systems, you can shorten production times, make better use of your space, and reduce your throughput times.

Focus on core competencies:

Focus on your core competencies, such as design, engineering, and complex processes, instead of tying up resources for the production of assemblies. By using TOTALTRAX® systems,

you can use resources more efficiently, deploy skilled personnel more effectively, and thus increase your competitiveness.

Quality assurance & risk minimization:

TSUBAKI KABELSCHLEPP GmbH specializes in the manufacture of TOTALTRAX® systems. By purchasing our 100% tested assemblies, you can

minimize risks (manufacturing defects, etc.) and ensure compliance with quality standards.

Flexibility and scalability:

Purchasing TOTALTRAX® systems allows you to flexibly adjust production to respond quickly to changes in demand. When production volumes

increase, you can simply order more assemblies instead of increasing your own capacity.



CONTACT

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