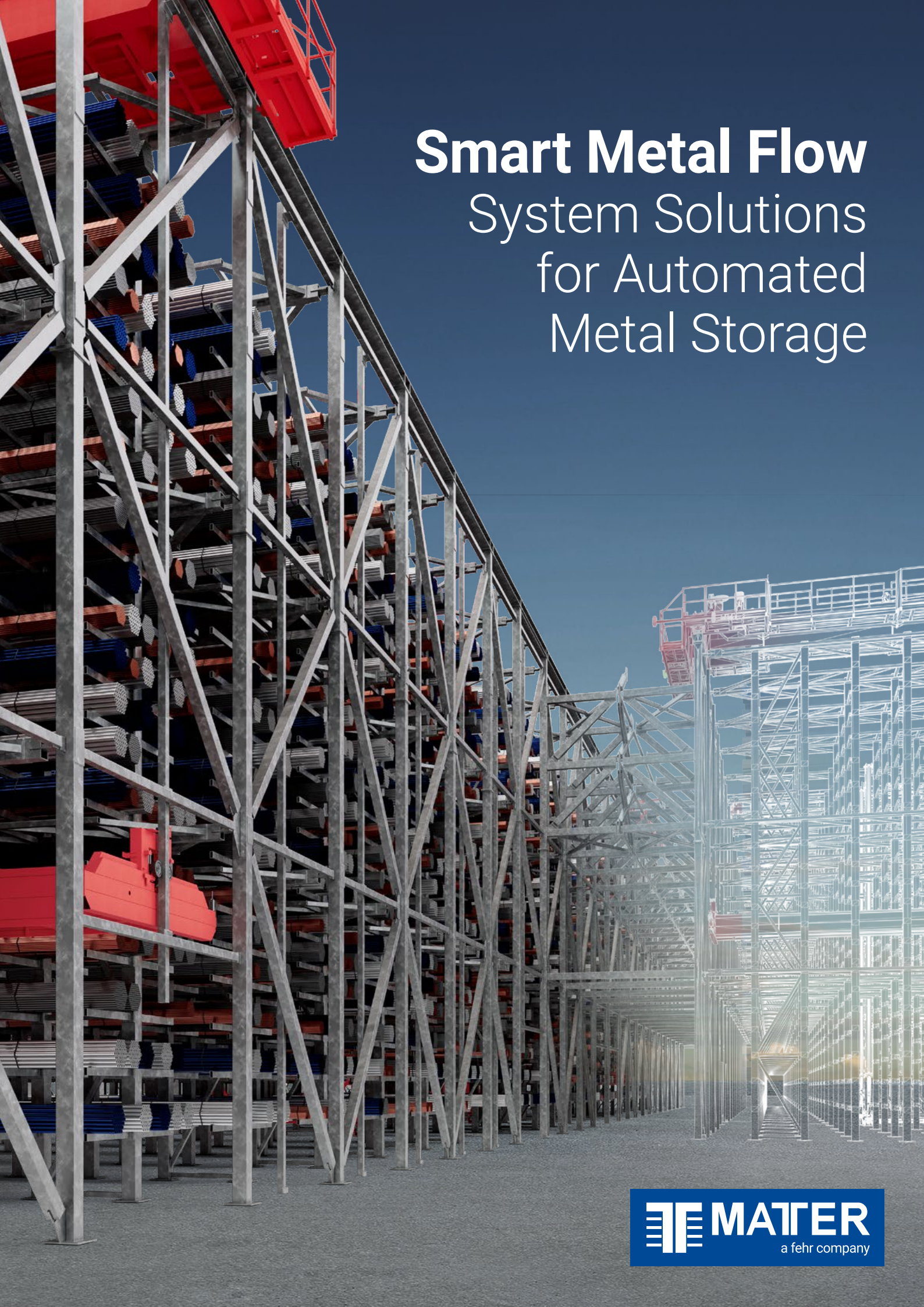
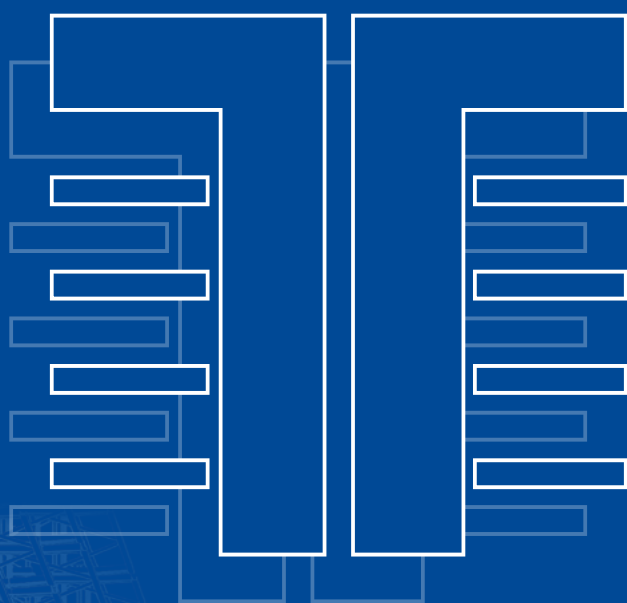




Smart Metal Flow

System Solutions for Automated Metal Storage

Matter designs and delivers customized automated systems for storing, handling, and retrieving metal bars, beams, tubes, and sheets — from manual units to fully integrated production-line solutions.



Every customer challenge is unique, and that's exactly how we approach it. With a dedicated team of 75 specialists, Matter develops tailored solutions that optimize space, improve material flow, and integrate seamlessly into production. When handling heavy loads and large dimensions becomes demanding, we make it effortless.

Get to know Matter — and discover how we turn complex storage and handling challenges into smart, efficient solutions.

– **Giuseppe Rotondi, CEO at Matter S.r.l.**

Founded in 1992 and headquartered in Bibbiano, Italy, Matter specializes in automated storage, handling, and retrieval systems for metal bars, beams, tubes, and sheets. With additional locations in Lissone (automation) and Charlotte, North Carolina, we serve producers, steel service centers, laser-cutting companies, and other metal processors worldwide.

Renowned for engineering excellence and custom turnkey solutions, Matter delivers modular systems that optimize space, streamline material flow, and integrate seamlessly with production lines. From simple manually loaded units to fully automated high-throughput installations, our solutions enable scalable capacity, stepwise automation, and sustainable process improvements — for both large operations and space-constrained production sites.

As part of the Fehr Group technology alliance, Matter is connected to a global network of innovation and service hubs across Europe and North America. By combining local expertise with global reach, we support our customers at every step — ensuring higher throughput, shorter cycle times, and reliable operations today and tomorrow.

1997

First **container automated storage and retrieval system** with shuttle for high speed bars handling.

2008

Matter expands its capabilities with the **acquisition of software and automation specialist P.R.A.E.**, gaining full control over automated warehouse processes and enhancing system customization from software to hardware.

2018

The **MATT 98 sheet metal storage system** is integrated with a Cut-to-Length line, increasing automation and material handling efficiency.

2002

Introduction of the **Iron Book system**, designed to accelerate and secure the picking of metal sheets.

2012

Installation of the first **multi-rack MATT 99**, a multi-machine warehouse directly connected to bar production lines — a major step toward the “dark factory” concept in the steel industry.

2022

Matter expands internationally with the opening of **Matter USA Corp.**, establishing a local presence to serve American customers.

2007

Unveiling of the **MATT 99 bundle storage system**: the first automatic warehouse for metal profile bundles without the need for containers.

2016

Launch of the **MATT BOX TWIN**: a double-capacity modular storage system for small quantities, maximizing storage per footprint even in compact installations.

2024

Matter becomes part of Fehr Technology Alliance, entering the Fehr Group and strengthening its global network and service capabilities.

Turnkey Intralogistics, From Planning to Lifetime Support.

Matter manages every step of your automation journey — mechanical, digital, and operational — ensuring your systems perform flawlessly from day one.

At Matter, we partner with you to create a seamless, end-to-end solution tailored to your unique workflows and production needs. From analyzing processes and identifying optimization opportunities to simulating material flows and designing a custom system, we ensure every detail is engineered for efficiency, safety, and scalability.

Our project management coordinates mechanics, electrics, software, installation, and commissioning, while keeping timelines and quality on track. Once operational, your team receives hands-on training, and our lifecycle support keeps your system performing at its best — through maintenance, updates, inspections and rapid response.

The result is a fully integrated, future-proof solution from a single trusted partner, letting you focus on your core business with confidence.





Planning

ANALYSIS

- Capture requirements and current workflows.
- Identify bottlenecks, vulnerabilities, and optimization potential.
- Incorporate current and future operational needs for scalable solutions.

DESIGN

- Plan and optimize process workflows.
- Create best-case scenarios tailored to customer requirements.
- Represent process, software, and mechanical system performance visually.

SIMULATION

- Test workflows using real data in 3D and virtual hardware/software.
- Flag new operating procedure requirements.
- Detect potential issues and validate improvements before implementation.

Implementation

PROJECT EXECUTION

- Rapidly execute conversion work according to customer-specific time windows.
- Securely implement new or existing IT structures and Fehr WMS.
- Coordinate trades and adhere reliably to schedules.

ASSEMBLY & COMMISSIONING

- Assemble mechanics, electrics, and software; install racking.
- Train operators and maintenance personnel.
- Step-by-step startup, performance testing, and handover per specifications.

Lifecycle Support

TRAINING & HANDOVER

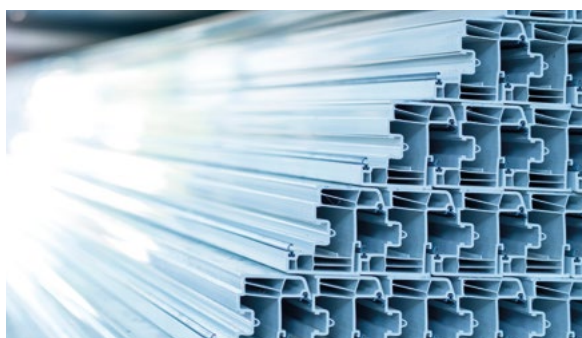
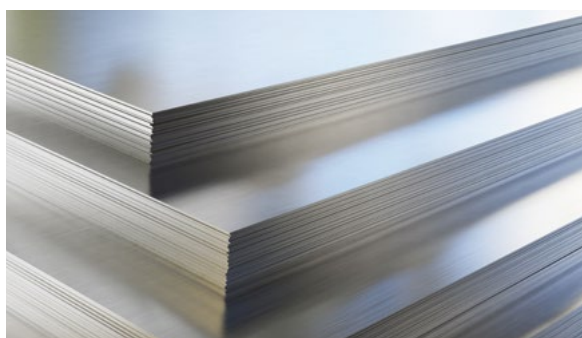
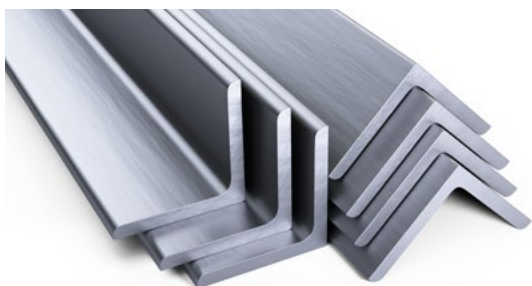
- Comprehensive staff training for operation and maintenance.
- Official handover ensures systems are ready for productive use.

ONGOING SUPPORT

- Nationwide service points, fast response, and remote access.
- Mechanical maintenance, software updates, spare parts availability.
- UVV tests, racking inspections, and retrofitting to ensure high uptime.

Handling Every Metal, Every Dimension.

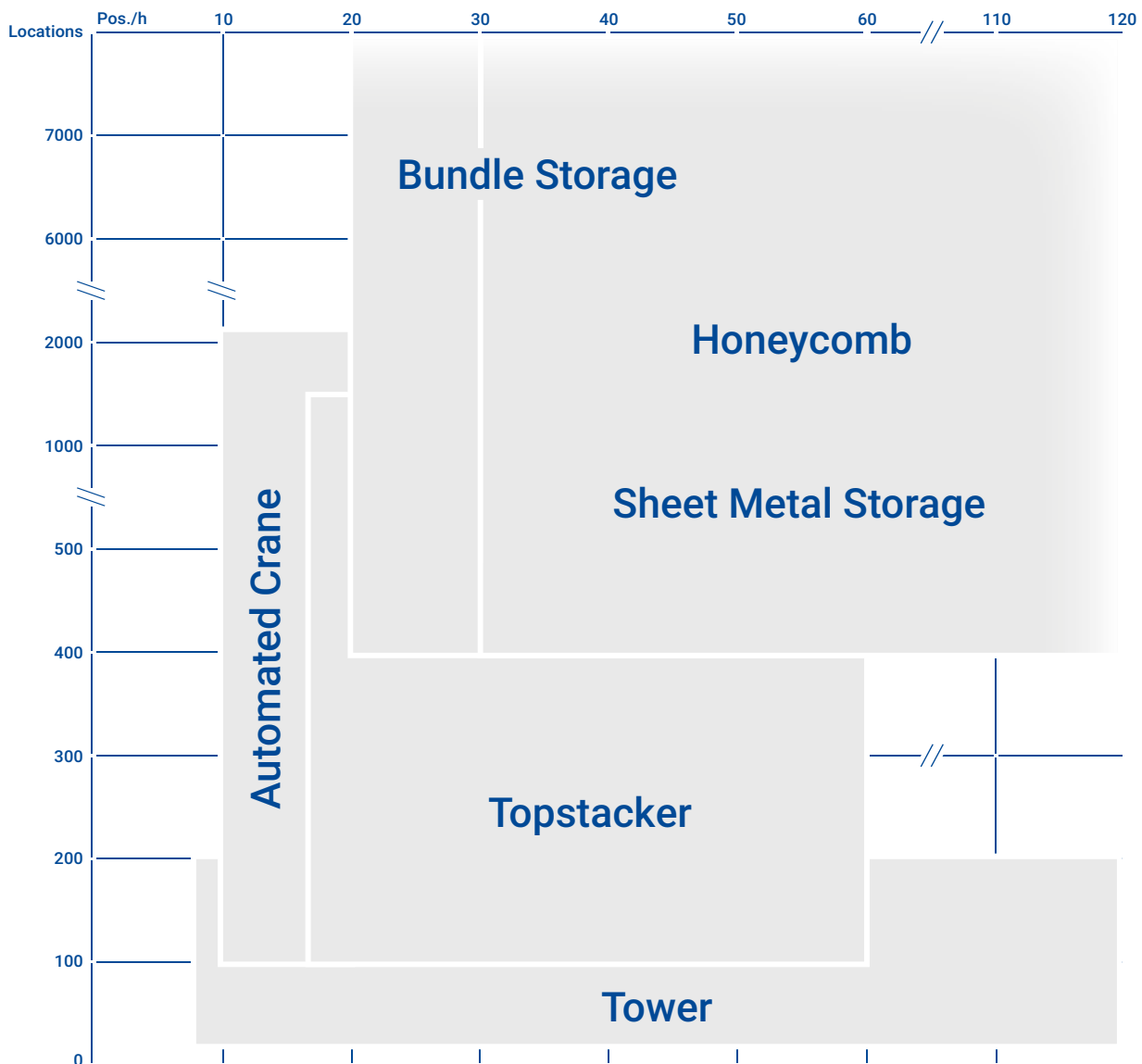
From bars and beams to tubes and sheets, Matter's automated storage and handling systems are custom-tailored for the unique requirements of producers, service centers, laser-cutting companies, and other metal processors worldwide.

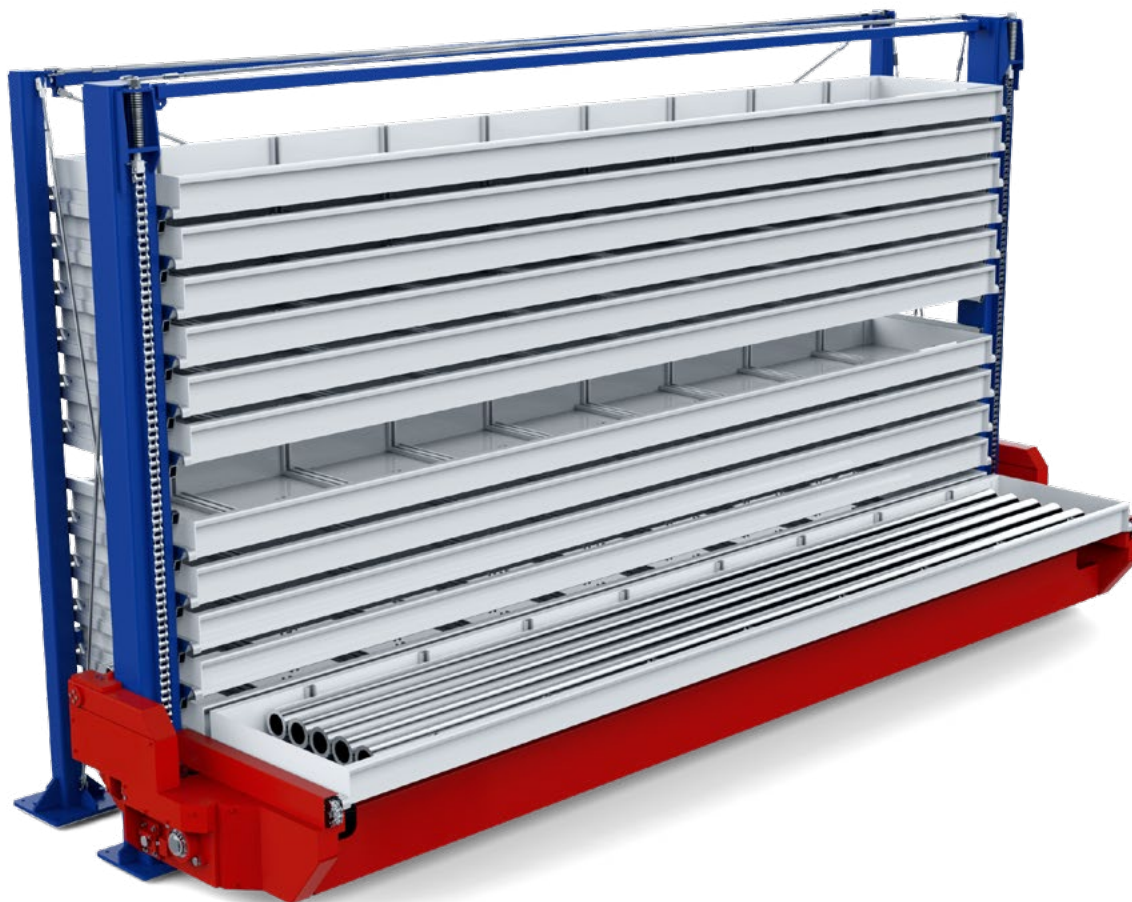


A Complete Portfolio of Storage, Retrieval, and Material Handling Solutions. Matter and the Fehr Group partners deliver fully integrated systems — from compact storage units to high-throughput automated warehouses — customized for your materials, dimensions, and workflows.

From manually loaded storage units to fully automated high-throughput warehouses, the Fehr Technology Alliance offers a combined portfolio of storage, retrieval, and material handling solutions. Serving industries from steel and aluminum to plastics, wood, and glass, our systems handle long goods, flat goods, coils, and finished components.

Whether it's compact storage towers, multi-thousand-location automated warehouses, or highly specialized systems, our partners provide modular, tailor-made solutions for storage, retrieval, and throughput — precisely adapted to operations of any size.





ERGOLINE

Compact, Ergonomic Tower Storage for Long and Flat Goods

Ideal for aluminum and plastic profile manufacturers, metal and machine shops, and flexible production environments with frequent material changes, the Ergoline tower storage system delivers fast access, high availability, and efficient material handling — perfect as a buffer in front of CNC, laser, or saw lines.

It provides a compact, ergonomic, production-near solution for both long goods (bars, tubes, profiles) and flat goods (sheets, plates, large panels). With 30 cassettes, Ergoline maximizes hall space while ensuring quick access and high material availability. Its modular design allows seamless integration into any hall geometry, even in hard-to-reach areas. Ergonomic, low-manual operation reduces physical strain, enhances safety, and shortens handling times. Fast installation and a project timeline of around four months make Ergoline a versatile, cost-efficient, and immediately ready solution.



MATT BOX TWIN

High-Density Double-Depth Tower Storage System for Long Goods

Ideal for production and trading companies handling large volumes of bars, tubes, profiles, semi-finished and finished products, or tool components, the MATT BOX TWIN double-depth tower storage system maximizes density with its innovative double-stacked (2x2) design — doubling storage capacity without increasing floor space.

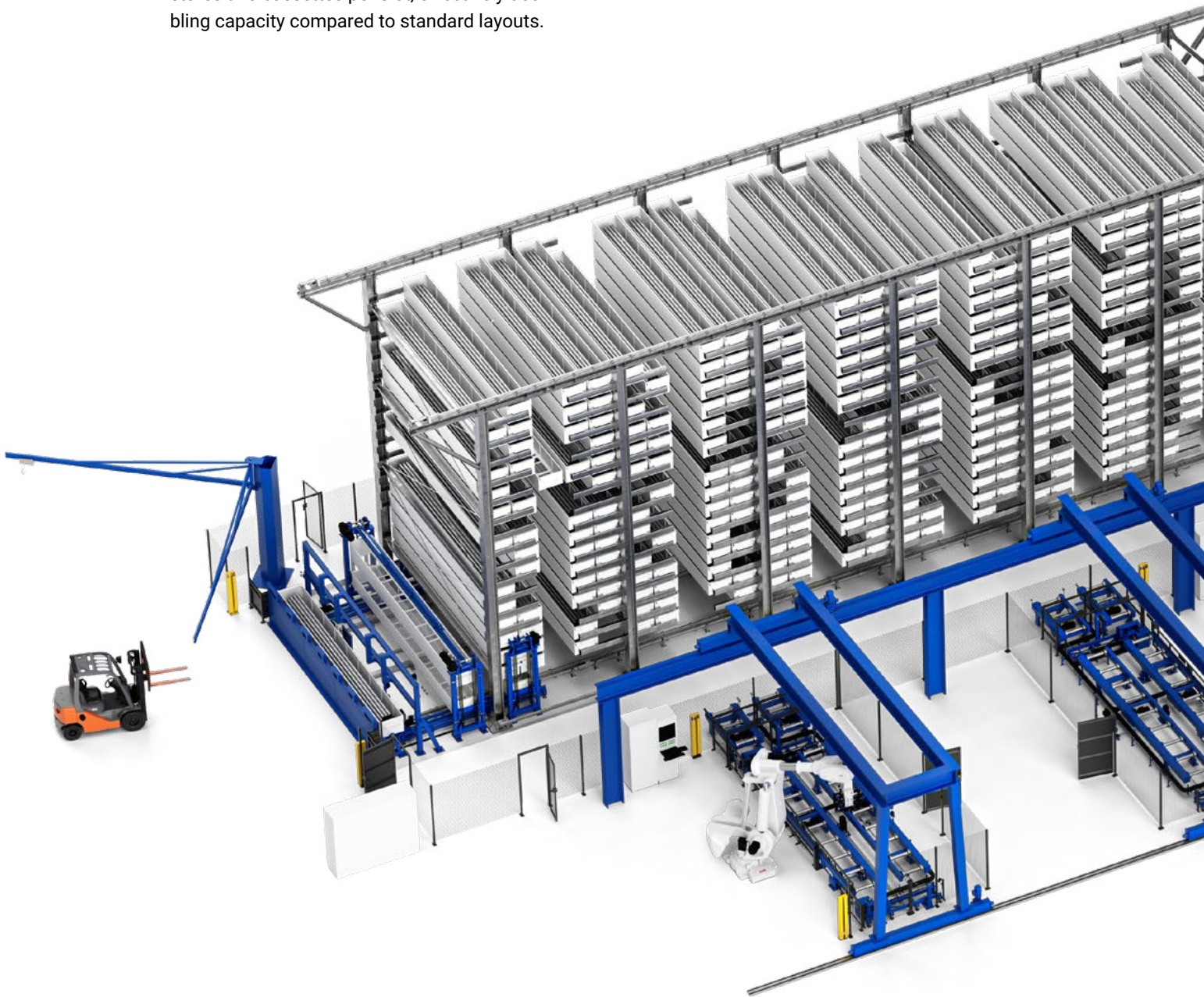
Fully automated and modular, it ensures fast, safe, and efficient material handling under high order volumes. Optional machine integration and an anti-fall system enhance productivity and safety, while flexible layouts allow seamless integration into existing halls or decentralized storage locations. Fast installation and standardized modules make MATT BOX TWIN a cost-effective, high-capacity solution for demanding operations.

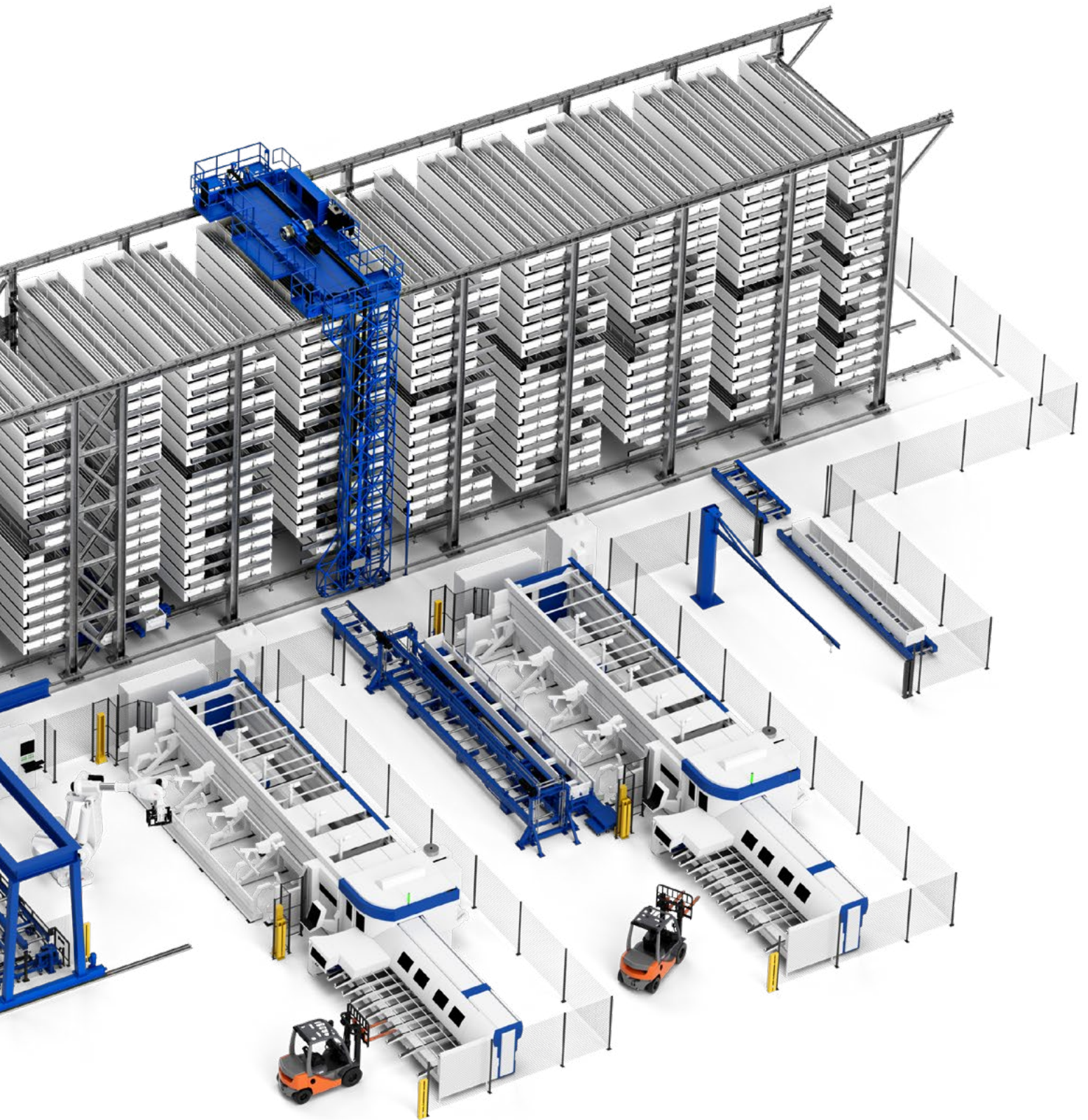
MATT 97.2

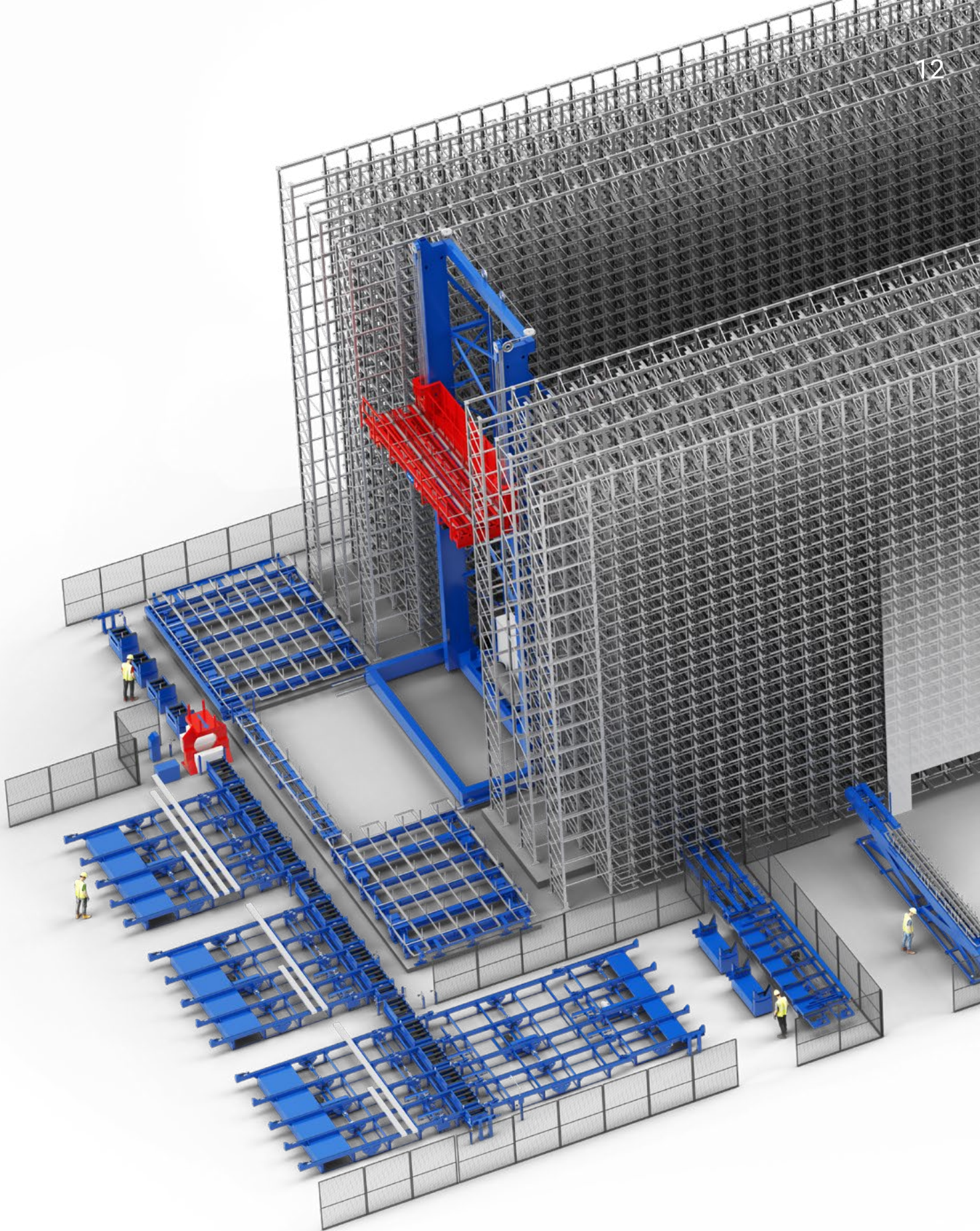
High-Density Double-Depth Storage for Long Goods

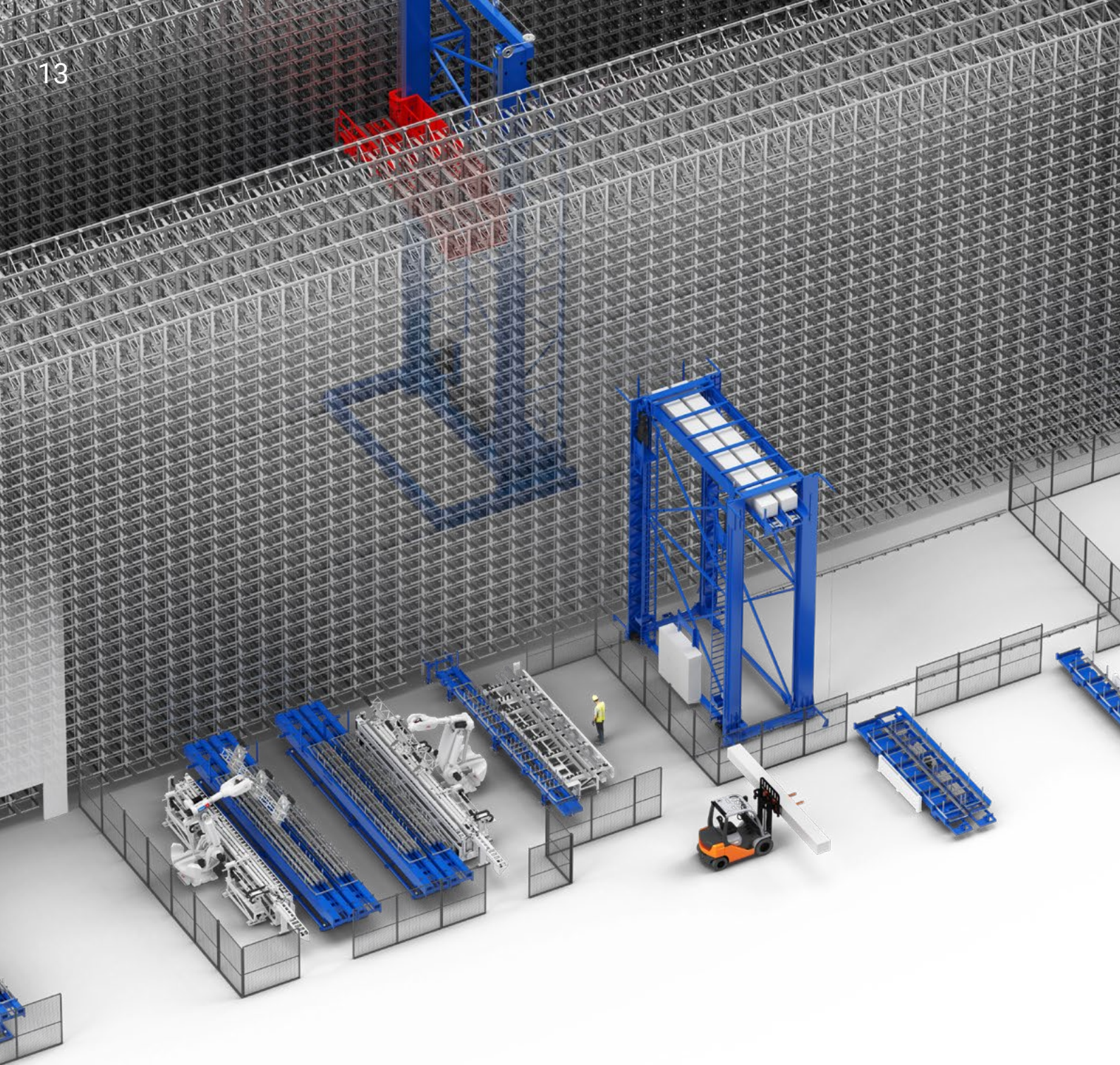
Ideal for production and trading companies with high long-goods volumes, limited floor space, and a need for maximum storage capacity, the MATT 97.2 top-stacker system delivers fully automated, process-safe handling in a compact footprint. Its innovative double-depth technology stores two cassettes per slot, effectively doubling capacity compared to standard layouts.

Single- and multi-code cassettes keep diverse long-goods types organized, while customizable loading and unloading stations optimize material flow. Robust, foundation-anchored construction ensures reliable operation under heavy loads, making MATT 97.2 the perfect solution for operations requiring high-density, high-capacity storage of long goods on minimal space.









Fehr Honeycomb

Flexible, High-Performance Honeycomb
Storage for Long and Flat Goods

The Fehr Honeycomb system is designed for maximum flexibility and scalability across a wide range of materials and applications. A single system handles long goods, flat goods, pallets, and custom load carriers — thanks to its intelligent interchangeable cassette principle. Highly automated and seamlessly integrated with ERP, WMS, and processing machines, it enables efficient, digital material flows across the entire operation.

The high-speed mechanical handling system ensures reliable, low-maintenance performance, while the honeycomb layout optimally utilizes space and height for maximum storage capacity. Modular, expandable, and future-proof, the Fehr Honeycomb system adapts easily to changing requirements and growing throughput — making it the ideal solution for demanding industrial environments.

MATT 98

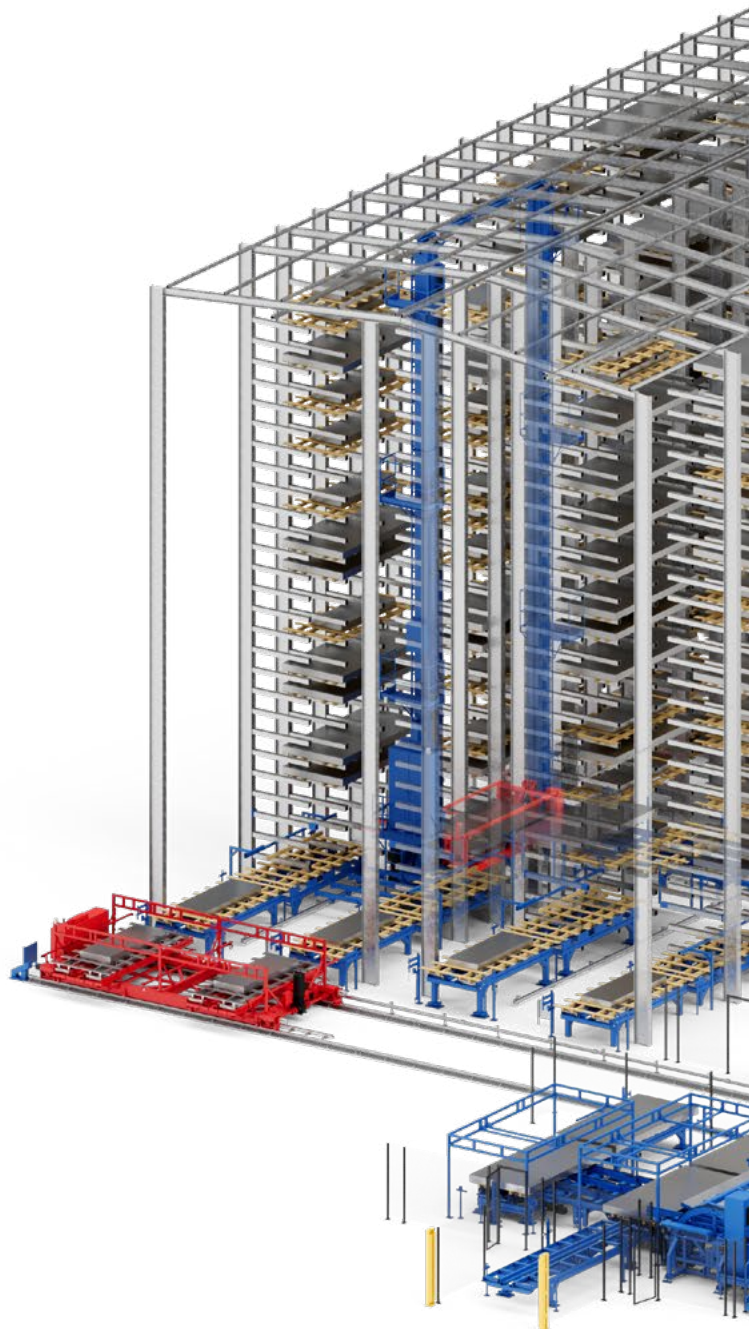
High-Density Sheet Storage with Gentle Handling and Direct Line Integration

Ideal for sheet metal processors, service centers, and production environments with cutting or CTL lines, the MATT 98 offers a highly efficient, carrier-free storage solution for sheets and plate packages. The system stores material directly — without repacking into cassettes — and ensures gentle, precise handling of full bundles or individual orders. Telescopic crane forks provide exact positioning, while seamless integration into cutting, sawing, or production lines guarantees continuous, error-free material flow, suitable for seamless connection to CTL lines and iron book picking units.

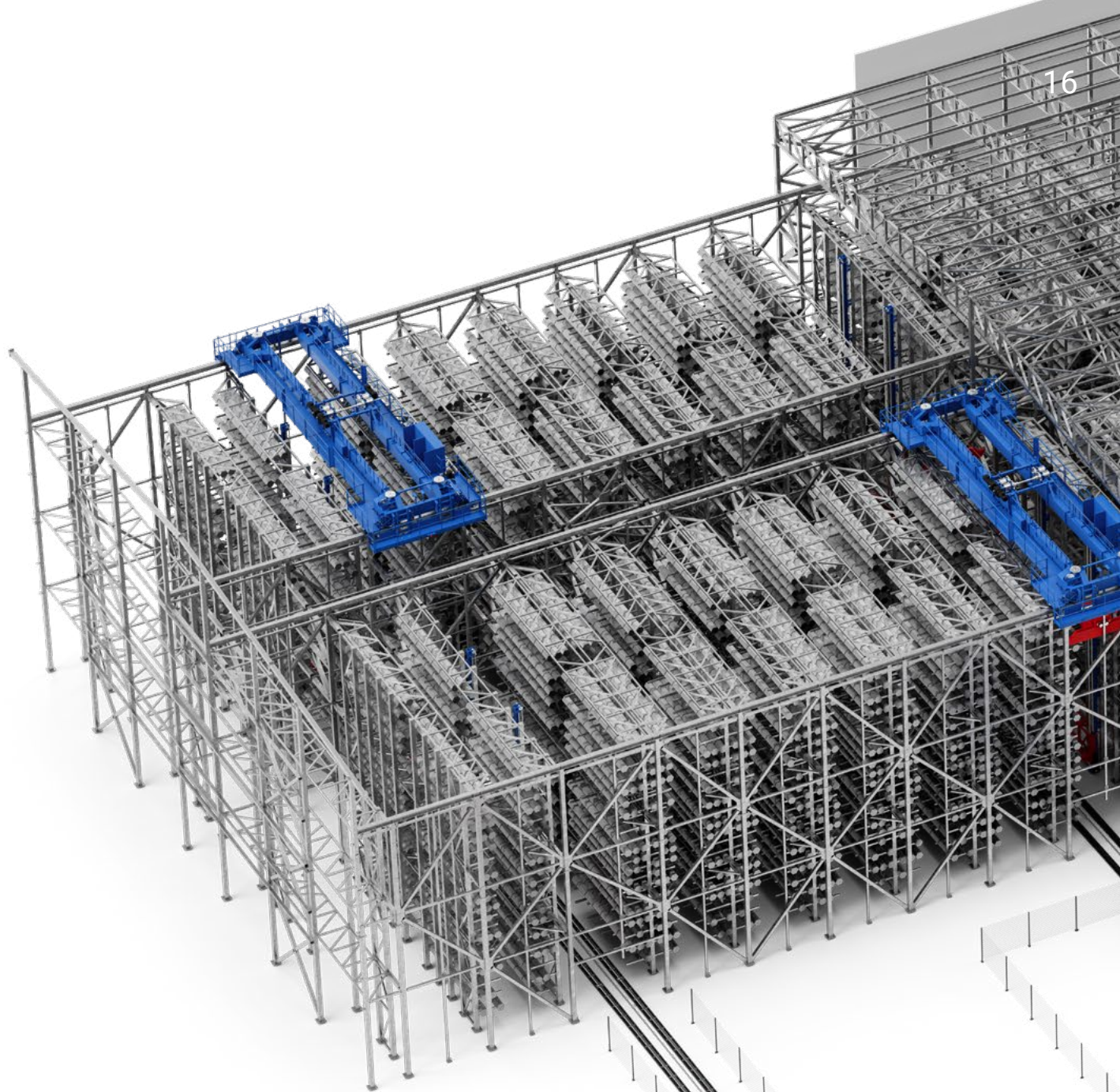
Designed for maximum high-density storage, MATT 98 optimizes pallet sizes, layouts, and installation environments, including outdoor use with roofing. Reduced manual handling, high storage efficiency, and smooth automation make MATT 98 the ideal solution for fast, safe, and reliable sheet metal logistics.

A variation of the MATT 98, the MATT 98.C provides long-edge storage for sheets in a modular, scalable, and machine-independent system. Ideal for laser-cutting operations, sheet metal distributors, and production environments with variable requirements, it ensures gentle, precise handling — even for sensitive materials — while delivering high storage density, short access times, and continuous supply to production lines.

Optional pallet compatibility and flexible layouts allow seamless adaptation to changing sheet sizes, volumes, and workflows, making MATT 98.C a versatile and efficient solution for modern sheet metal logistics.





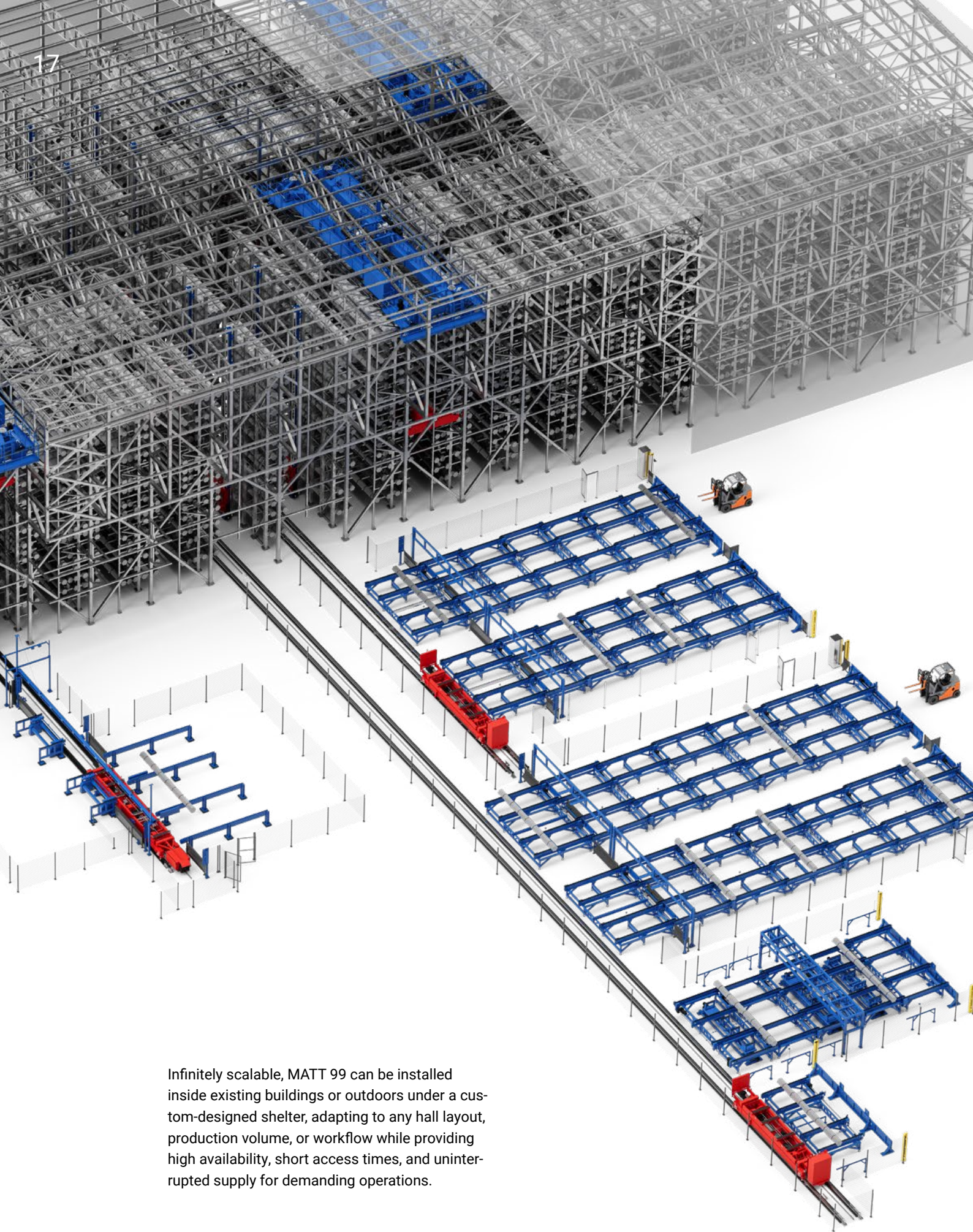


MATT 99

High-Density Bundle Storage with Continuous Material Flow

Ideal for producers of pipes, bars, beams, and extruded profiles, the MATT 99 delivers container-free bundle storage that ensures continuous material flow through seamless integration with production and logistics. Bundles from extrusion, rolling, or cutting processes are stored directly – without intermediate containers – maximizing storage density and eliminating unnecessary handling. Automated stacker cranes and shuttles move material quickly, reliably, and gently, while continuous tracking prevents loss and ensures traceability.





Infinitely scalable, MATT 99 can be installed inside existing buildings or outdoors under a custom-designed shelter, adapting to any hall layout, production volume, or workflow while providing high availability, short access times, and uninterrupted supply for demanding operations.

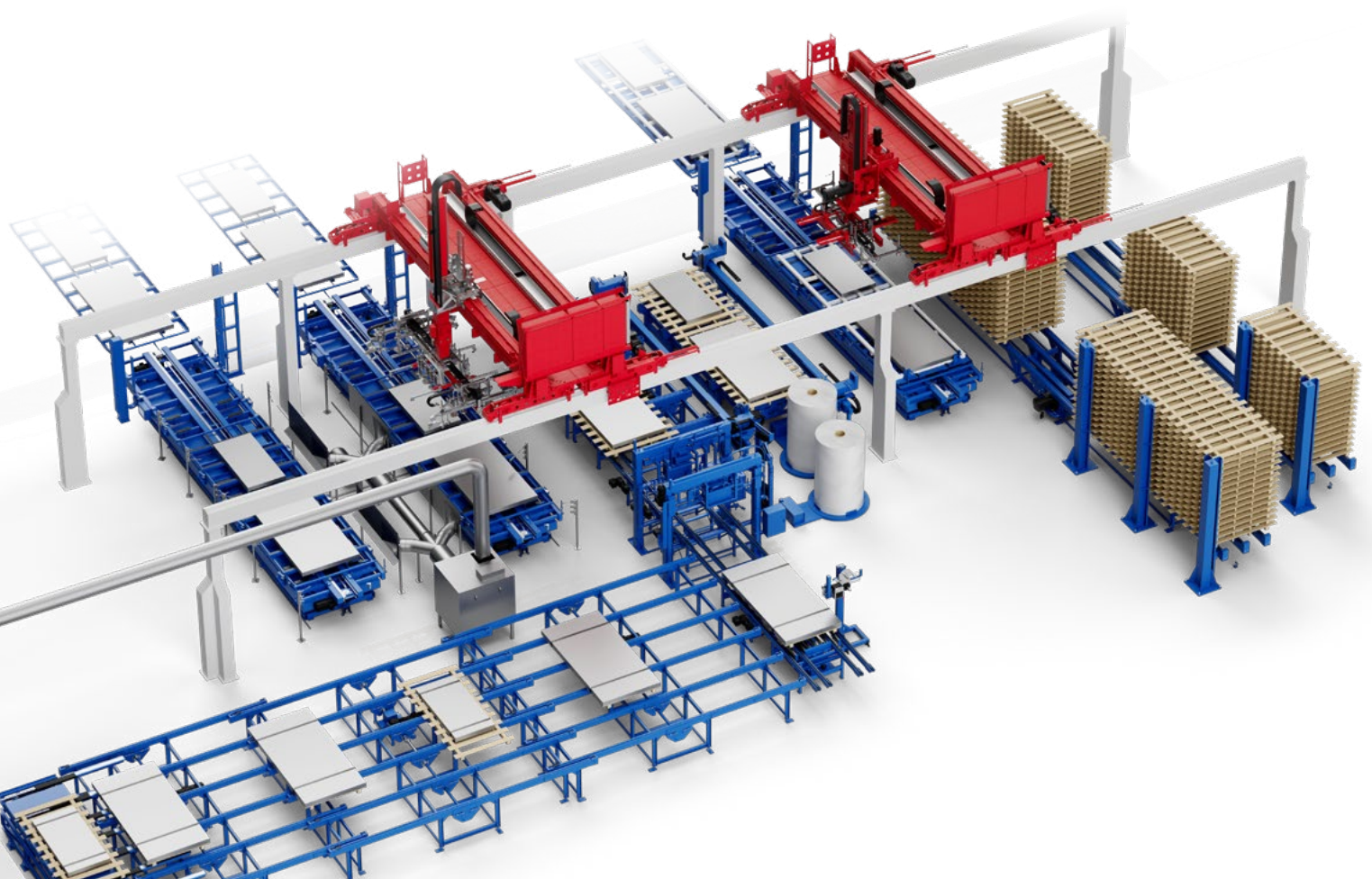
Matter's automated sheet handling technology optimizes sheet separation, picking, and order consolidation, reliably processing all metals — including oily, thin, threaded, and non-ferrous sheets — with precise and gentle handling, completely without manual intervention.

Matter's systems automatically separate sheet stacks, even those challenging for traditional spreader magnets, and consolidate orders directly onto pallets for shipment. Designed for **precise, gentle, and high-speed operation**, they protect material surfaces while eliminating manual, repetitive tasks.

Fully integrated with WMS, PPS, and ERP systems, the solutions ensure maximum process efficiency, 100% order accuracy, and continuous material flow. Modular and scalable, they adapt to any workflow, supporting standalone or warehouse-connected applications, and deliver consistent throughput and reliable performance around the clock.

Benefits at a Glance

- Precise, gentle separation and handling of sheet and flat material
- Fully automated picking and order consolidation from inbound to shipment
- Independent of metal type, surface condition, or grade
- 100% order-pure delivery onto pallets
- Seamless integration into existing WMS, PPS and ERP systems
- Operational 24/7 for consistent throughput
- Modular and scalable to fit any workflow or production layout
- Protects material surfaces and reduces handling errors



Automated bar handling systems.

Streamlining the picking, transport, and precise delivery of bars, beams, tubes, and profiles, reliably handling all materials with high speed, robustness, and precision — completely without manual intervention.

Matter's bar handling systems automatically pick the exact quantities needed from cassettes, crane stores, or AGV interfaces and deliver them directly to saws, lasers, or other production equipment. Designed for robust, high-speed operation, they handle all common metals and lengths, eliminating manual, repetitive tasks while ensuring maximum precision, flexibility, and throughput.

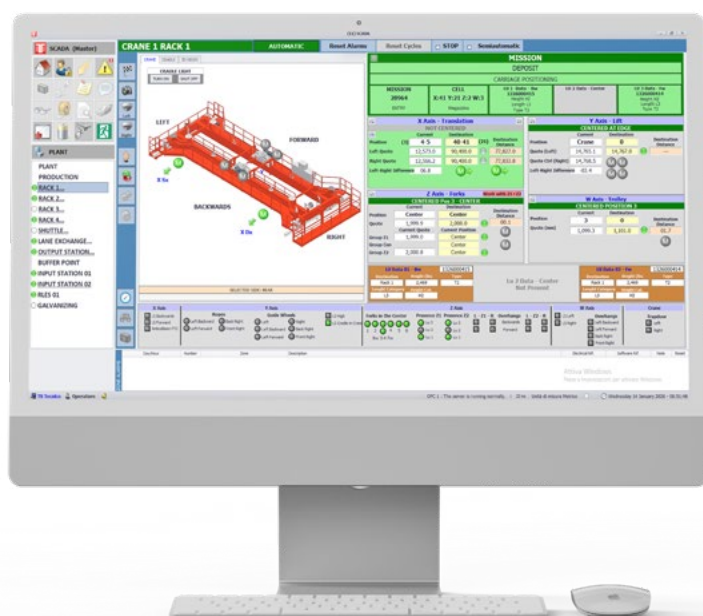
Fully integrated with storage systems and production lines, the systems also measure and manage leftover pieces, provide 100% traceability in inventory and production, and support modular, scalable automation — optimizing material flow, reducing errors and keeping your processes fast and reliable.

Benefits at a Glance

- Robust, high-speed automatic picking and delivery of bars, beams, tubes, and profiles
- No pre-sorting required; handles all metals and lengths
- Labor-free material supply directly to saws, lasers, or production lines
- Efficient handling and management of leftover pieces
- Fully integrated with storage systems and production equipment
- High throughput with minimal manpower
- 100% traceability in inventory and production
- Modular, scalable design for stepwise automation



Seamless Automation for Fast, Continuous Material Flow.



Matter automation systems streamline all material movements — from storage to production lines — ensuring precise, fast, and robust operation. Conveyors, shuttles, stacker cranes, and line feeders are fully synchronized for continuous, high-speed material flow, eliminating bottlenecks, delays, and manual handling. Loading and unloading operations are fully automated, so the system finds, picks, and delivers products accurately without manual intervention.

Modular and scalable, the systems adapt to existing facilities, new builds, or outdoor installations and support stepwise expansion to match growing production volumes. By combining intelligent machinery, sensors, and software, Matter delivers robust, high-performance intralogistics tailored to your materials, throughput, and workflow requirements. Every element is designed to eliminate conflicts in material flow, remove inefficiencies, and protect margins — making automation a strategic investment with measurable returns.

Benefits at a Glance

Continuous Material Flow

All storage, transport, and production movements are fully synchronized to ensure uninterrupted operation.

Robust and High-Speed Operation

Industrial-grade automation delivers maximum reliability, precision, and throughput while maintaining material integrity.

Safe and Reliable

Automated processes minimize risks to operators and material, ensuring safe, reliable, and error-free intralogistics.

Modular and Scalable

The systems are fully expandable and adaptable to evolving layouts, growing production volumes, and stepwise automation.

Intelligent Software for Precise, Connected, and Traceable Intralogistics.

Matter's Warehouse Management System (WMS) gives real-time control over inventory, locations, and material movements, ensuring precise, punctual, and fully traceable operations. It orchestrates inbound, outbound, and internal flows, eliminating errors and manual intervention. Native PLC-level connectivity links the WMS seamlessly to storage machinery, conveyors, and production lines for continuous, synchronized material flow.

Modular and configurable, it adapts to any warehouse layout, product mix, or throughput requirement. With industrial-grade reliability, redundant databases, and proactive support, uptime reaches 99.9%. Tailored to your workflow and strategic goals, Matter's software creates a fully digital intralogistics ecosystem that scales effortlessly and delivers measurable, lasting value.



Benefits at a Glance

Full Inventory and Workflow Control

Monitor and manage every material movement in real time to ensure accurate, error-free operations.

Seamless System Integration

Connect the WMS with ERP, PPS, production, and storage systems for smooth, automated workflows with PLC-level connectivity.

Reliable, Secure, and Traceable

Maintain full traceability of materials from storage to shipment, with industrial-grade uptime and redundant data storage.

Modular, Configurable, and Scalable

Tailor and expand the system to your product mix, warehouse layout, and throughput requirements for current and future growth.



Always Close. Always Ready.

As part of the Fehr Group technology alliance, Matter is connected to a global network of service hubs across Europe and North America. Our multi-lingual teams respond quickly and reliably, ensuring your systems run smoothly wherever you are.

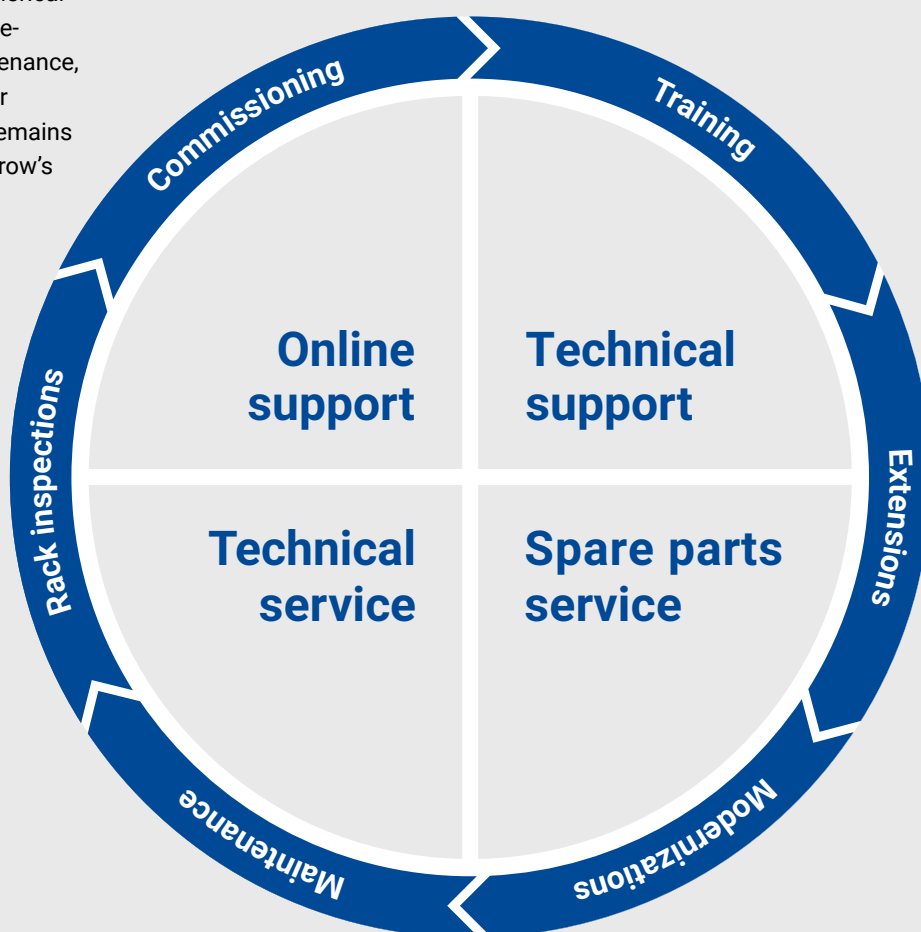


Lifetime Support for Maximum Performance.

Wherever Matter systems operate, expert support is built in — throughout the entire lifecycle. We help you maximize uptime, extend system performance, and protect your investment year after year.

Matter's lifecycle services support every stage of your system's operation — from commissioning to modernization — helping you maximize uptime, extend performance, and protect your investment year after year. Comprehensive training and official handover ensure safe, efficient operation and immediate production readiness, while retrofit and upgrade services keep mechanically sound systems aligned with today's requirements in controls, software, safety, and IT infrastructure.

As part of the Fehr Group Technology Alliance, Matter is connected to a global network of service hubs across Europe and North America. Our multilingual teams provide fast troubleshooting, remote access, proactive maintenance, software updates, spare parts, and regular inspections — ensuring your warehouse remains competitive, efficient and ready for tomorrow's logistics challenges.



Our modular service structure puts you in control. Core services come standard with every system, while additional modules can be combined to create a service agreement precisely matched to your operational requirements.

Services

 SPARE PARTS SERVICE

Our spare parts management ensures that the right parts and resources are always available at the right time and in the right place. On request, we put together a customized spare parts package for your system.

 ASSEMBLY AND COMMISSIONING

Our trained personnel will install your system to ensure smooth commissioning and a safe launch of your system.

 PRODUCTION SUPPORT

New systems frequently throw up many new questions. Our technical engineers are always on hand to provide advice and assistance during the initial period of production.

 SERVICE HUBS

Our dense service network in Europe, Canada, and the USA enables prompt on-site interventions, supported by multilingual teams in German, Italian, English, Spanish, French, and Polish.

Individual Services

 TRAINING

With dedicated training courses delivered by our experienced training team, you can deepen your employees' knowledge or efficiently qualify new staff to operate your systems.

 SYSTEM UPDATE

Future-oriented modernization will protect your investment and guarantee reliable operations for years to come.

 REPAIR SERVICES

Be they planned or unplanned – it goes without saying that we carry out repair work competently and rapidly.

 CONVERSION AND EXTENSION

We support you in the optimization and technical implementation of workflows and processes to make your systems more efficient and future-proof.

Individual modules can be combined into a tailor-made service agreement.



Our Innovation & Service Hubs

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Smart Metal Flow. Matter designs and delivers high-performance, modular storage and retrieval systems for metal bars, beams, tubes, and sheets — from compact manual units to fully integrated production solutions. Our systems make heavy, oversized materials easy to store, move and track.

- Storage Systems
- Handling Systems
- Automation
- Software
- Intralogistics Consultancy
- Analysis, Simulation & Design
- Maintenance & Modernization
- Remote Support
- Technical Service
- Spare Parts Management
- Modular Service Agreements
- Training & Commissioning

