



## Premium efficiency and productivity in crane management and warehouse operations

### CranoMatic™

**CranoMatic™** manages transport orders, optimizes operating times and provides real-time information on operating and system status for streamlined warehouse operations. **CranoMatic™** can be adapted to existing cranes as much as it can be embedded in customers production systems. The system exchanges and stores data to provide operators and production managers with relevant job info and statistics. **CranoMatic™** has been developed in-house for seamless integration into process cranes control systems (PLC). **CranoMatic™** is further designed for managing automated storages, mainly for:

- › Stamping die storage (die gripper cranes)
- › Coil storage (cranes equipped with coil gripper or magnet)
- › Paper roll warehouse (cranes with mechanical gripper or vacuum lifter)
- › Konrad / CASTOR® / CONSTOR® container at nuclear power plants (cranes with spreader)

## GET IN TOUCH



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KEY BENEFITS

- › **Increased safety** on equipment, loads and personnel, more productivity and reduction of errors

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- › **Faster die set exchange**  
up to -60% compared to manual operation

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- › **Optimized storage**  
dies: up to 6 level; coils: 3 levels; paper rolls: 15 m

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- › **Reorganizing storage reduces cycle times** during production peaks, enabling high throughput and increased storage capacity

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- › **Higher throughput** combined with optimum utilisation of storage capacity

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- › **More reliable** and predictable processes

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- › **Reduced operating costs**

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- › **Reduced operator fatigue**



KEY FEATURES

- › **No Fly Zones (Forbidden Areas):** Define zones where the crane is not allowed to move. **CranoMatic™** will adjust path to efficiently travel around obstacles

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- › **Target Positioning:** The crane can automatically move to stored or runtime-generated targets, such as working, parking, or maintenance positions – quickly, precisely, and repeatably

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- › **Travel Zones:** The crane operates within defined zones (e.g., storage, production) and may move only via designated way points

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- › **Hook-Centering:** Hook centering automatically aligns bridge and trolley above the hook – for precise, fast, and safe attaching and detaching of loads

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- › **Relative Positioning/Inching:** Relative positioning makes it possible to move the crane not in absolute terms, but relative to its current position to reach targets stepwise

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- › **Efficiency Sync:** Efficiency Sync ensures that all crane axes adjust their movements so that they reach the target simultaneously: the slowest axis determines the travel time, while all others move at reduced speed in sync. The result: energy-efficient, gentle, and precise operation

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- › **Route Tracking (Path Following):** The crane can follow precisely predefined paths to safely travel through narrow passages

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- › **Manuatic™:** Manuatic™ enables seamless switching between manual, semi-automatic, and fully automatic operation from a single control station

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- › **Active Anti Sway:** Automatic elimination of load sway – camera based sway control feature automatically eliminates load sway during crane operation, based on permanent measurement of rope angle. The result: faster cycles, less risk of collisions