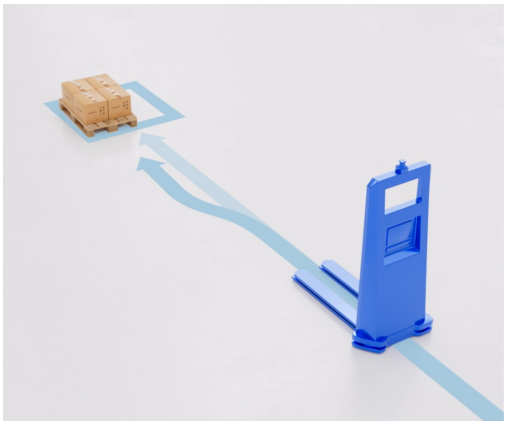
KOLLMORGEN
A REGAL REXNORD BRAND

NDC Flex

The best of two worlds

NDC Flex is a groundbreaking system concept that merges the efficiency of automated guided vehicles (AGVs) with the adaptability of autonomous mobile robots (AMRs). This hybrid approach ensures peak site productivity while mitigating risks related to potential disruptions. Whether partners are facing a specific logistic challenge or aiming to optimize their operations, NDC Flex is designed to meet their needs.



Key features

- Adapting to the environment
  - Dynamic docking.
  - Obstacle avoidance.
- Navigating using the existing environment
  - Easy surveying using SLAM.
  - No artificial landmarks needed.
  - Handles dynamic environments.
- Easy commissioning with *Cirrus*
  - Anyone can edit the layout to enable easy and fast automation while you as a supplier maintain control.
  - Service technicians can take part in the commissioning phase.
  - You can use the vehicle's position to update stations and paths in the layout.

Dynamic docking: The vehicles can adjust their paths dynamically during the "last mile" of their journey. The vehicles adapt to the real-world load position, ensuring maximal system throughput.

Obstacle avoidance: Supports uninterrupted operation by allowing the vehicles to maneuver around unexpected objects and seamlessly continue along their designated path.

Natural navigation: Our comprehensive training and established best practices, simultaneous localization and mapping (SLAM) solution, and improved configuration ensure high performance over time.

Quick commissioning: *Cirrus* is a cloud-based solution enabling efficient collaboration between employees stationed on-site and employees located in the office. *Cirrus* simplifies the tuning and verification of the layouts during commissioning, which significantly reduces setup time and accelerates deployment.

Note that while AMR behavior, such as obstacle avoidance and dynamic docking, improves the flexibility of the system, it may at the same time have a negative impact on the throughput. As long as the supplier and the end user are in agreement on system performance versus flexibility, NDC Flex opens up for satisfying customer needs more than ever before.

KOLLMORGEN
A REGAL REXNORD BRAND

Order information		
NDC System kit	27043-04 27043-05 for China	*NDC System kit datasheet*
Cirrus Install Available in all regions except for Mainland China. Local regulations may apply.	46227-C	*Cirrus datasheet*
NDC Prime vehicle kit	27044-02	*NDC Prime vehicle kit datasheet*
NDC Lean vehicle kit	27044-04	*NDC Lean vehicle kit datasheet*
NDC Lite vehicle kit	27044-06	*NDC Lite vehicle kit datasheet*

For requirements and more information, see the respective datasheets.

Combine one or multiple NDC vehicle kits to suit your needs:

One NDC System kit		
		
NDC Lite vehicle kit	NDC Lean vehicle kit	NDC Prime vehicle kit
When building lite, efficient vehicles.	Optimal throughput every day.	Enabling world class differentiation and full flexibility.

©2026 Kollmorgen Automation AB All rights reserved. 35102-086F
Specifications are subject to change without notice. It is the responsibility of the product user to determine the suitability of this product for a specific application.
All trademarks are the property of their respective owners.