

# KUKA



**KMP 3000P.**

Working tirelessly for the perfect flow.





## KMP 3000P. Working tirelessly for the perfect flow.

With the KMP 3000P platform, KUKA is introducing a real heavyweight in the area of AMR to the market. The platform can transport loads of up to three tonnes. Its omnidirectional drive guarantees maximum flexibility in the narrowest of spaces in intralogistics. Thanks to its inductive charging concept, the platform is constantly ready for operation, which allows for flexible charging in the process.



### Transport capacity of up to three tonnes.

Mobile robotics is a crucial factor when it comes to optimizing intralogistical processes. The KMP 3000P builds on the success of its little sister, the KMP 1500P, and adds an extra one and a half tonnes in terms of transport capacity. With the ability to move up to three tonnes, it opens up a variety of possible applications for various sectors. Whether material supply in production, process linking without conveyor belts or classic point-to-point transport – the KMP 3000P effortlessly masters the transport of large, unwieldy and heavy components.

### Functions in the smallest of spaces.

The KMP 3000P has an omnidirectional drive. This allows it to move in all directions. "This makes the platform extremely flexible. It can move diagonally and therefore handle narrow curves. This delivers considerable advantages in a cramped production environment," explains Julian Stocksclaeder, Head of AMR Business Development at KUKA. Four integrated 3D cameras and two laser scanners offer a 360° view, meaning that the platform can effortlessly detect and avoid obstacles. This not only increases efficiency, but also increases safety in various working environments.

### Ready to operate, day and night, thanks to the new inductive charging principle.

The best platform is one that operates 24 hours a day, 7 days a week. Thanks to its inductive charging principle, the KMP 3000P does just that. This means that the platform can be charged wirelessly, both centrally at the station as well as non-centrally within the application area at various, freely selectable locations. It can also be charged via inductive pads, which are attached to the floor of the hall. Based on the operational plan for the KMP 3000P, breaks that arise during operation – for example while the robot is loading a machine – can be used to charge the platform during the process. This guarantees round-the-clock operation.

### New drive concept reduces maintenance requirements.

The new, omnidirectional drive concept of the KMP 3000P combines the advantages of mecanum wheels from the OmniMove series with the cost-effective diffDrive: The driven casters guarantee extremely smooth running and allow for high speeds. Each of the two drive units consists of two wheels each. Since the weight is distributed over two wheels, there is a lower point load on the individual wheel, which reduces wear. In addition to replacing the entire drive unit, it is also possible, if required, to replace the covering on individual casters. The fact that the parts that are used are common standard components that are widely available contributes to the simple and cost-effective maintenance. "If something has to be replaced, parts are easy to access: A service hatch provides easy access to the inside of the platform," reports Julian Stocksclaeder.

### Intuitive configuration with the KUKA.AMR Fleet software instead of tedious programming.

The KMP 3000P is controlled using the suitable software KUKA.AMR Fleet – an intelligent, AI-based and easy-to-use fleet management system. Furthermore, the VDA 5050 standard communication interface guarantees maximum compatibility between the AMR and different control systems.



-  [kuka.com/contacts](https://kuka.com/contacts)
-  [facebook.com/kukaglobal](https://facebook.com/kukaglobal)
-  [youtube.com/kukarobotgroup](https://youtube.com/kukarobotgroup)
-  [twitter.com/kukaglobal](https://twitter.com/kukaglobal)
-  [linkedin.com/company/kukaglobal](https://linkedin.com/company/kukaglobal)
-  [instagram.com/kukaglobal](https://instagram.com/kukaglobal)

01.05.2024

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. The extent of goods delivered is determined by the subject matter of the specific contract. No liability accepted for errors or omissions. Subject to alterations. © 2024 KUKA