

**BUNDLED INNOVATION**



CRANE SYSTEMS

**INDUSTRIAL CRANE  
IK 100  
HIGH-TECH AND COMPACT**

# COMBINING DURABILITY AND INTELLIGENCE

As everyone knows, all good things come in threes. This is why Kiebler AG is now rounding off its range of industrial cranes with the addition of the new, long-reach IK 100 to the HK 80-I and IK 250. The IK 100 is in the same performance class as its “big brother”, the IK 250, but with a significantly reduced mass. It is smaller, lighter and more flexible, yet just as smart and reliable. The IK 100 is the perfect solution for any application where comfort and the latest technology are required, but not the very highest power levels.

## TOP COMPONENTS, INDIVIDUAL USE

The basic configuration meets the highest demands: frequency-controlled motors, hydraulic preloading of the drive wheels, tandem rockers with six rollers each and sensors for controlling the travelling and slewing movements depending on the load and torque. The boom is made from high-strength, fine-grade steel with extremely durable leaf chains and state-of-the-art control (PLC, CAN bus). Furthermore, the IK 100 can also be modified according to your needs – a range of grabbers, for example, make it suitable for a wide variety of applications.

## PRECISE WORK IN PLEASANT SURROUNDINGS

All aboard! The IK 100 offers the highest levels of safety combined with ultimate cabin comfort. Thanks to the ergonomic seat, heating, air conditioning, radio and other amenities, even work that lasts the whole day is a real pleasure. Large windows ensure a perfect view of the working environment. The joysticks can be assigned functions according to customer needs, whilst the machine control behaviour can be adjusted depending on the user (e.g. for beginners or advanced users). The display is used by the operator as a central information and input tool. It can also be used by service personnel as all saved operating data can be called up here.

## IK 100 – DURABLE AND LONG-LASTING

Thanks to a range of innovations, the IK 100 can effortlessly cope with continuous operation under extreme conditions. By moving heavy components – drive unit, oil tank and switching cabinet – from the bottom to the top of the tower, the forces acting on the crane are reduced significantly. This in turn has a positive effect when it comes to fatigue strength. Whether the robust construction, centric force introduction or added rollers for optimal force distribution – everything is designed with a long service life in mind.

**1. Comfortable cabin:** ergonomic seat, easy-to-use display, air conditioning, optimal view, radio etc.

**2. User-friendly display:** clear and simple operation for the driver and sophisticated maintenance tool for service personnel.

**3. Clamping unit:** hydraulic preloading ensures that the drive wheels are loaded uniformly and prevents them from slipping; retightening is not required. When at a standstill, the drive wheels are automatically released.

**4. Drive:** optimum handling thanks to hydraulic gear motors and two axial piston pumps.

**5. Tower with lifting cylinder:** thanks to the centric force introduction, the stresses on the boom are minimised and the force transmission/distribution is optimised. The entire crane structure has an extremely robust and stable design.

**6. Boom and leaf chains:** robust boom tubes made from high-strength, fine-grade steel, designed for maximum, constant loads. Highly durable leaf chains for extending and retracting the boom.

**7, 8. Grabbers:** different grabber and shovel types make the IK 100 into a real all-rounder.

## TECHNICAL DATA

- + 2 × 18.5 kW hydraulic drive power
- + Max. lifting force: 2400 kg
- + Lifting torque: 10 mto
- + Three-piece telescopic boom:
  - reach min. 3.50 m/max. 12.50 m
- + Traversing gears up to 20 m wide



# IK 100: THE NEW BENCHMARK

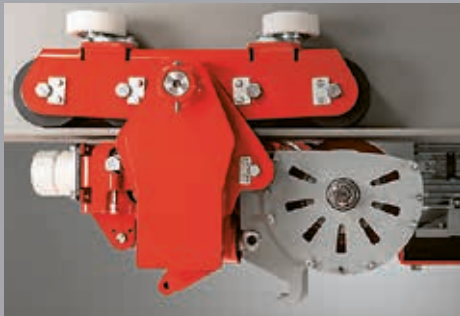
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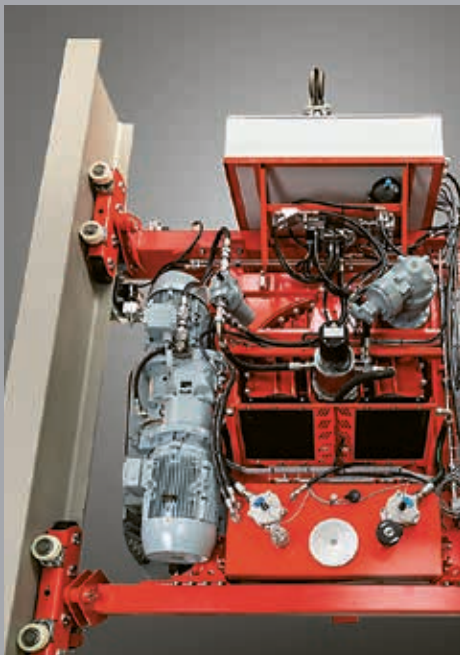
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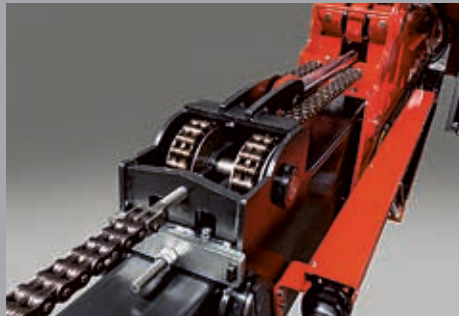
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## KIEBLER SERVICE | ALWAYS READY

The KIEBLER service starts with the very first meeting – together with you, we work out which is the best and most efficient solution for your needs. From this point on, we are at your service as an intelligent and proactive partner who is also on hand after the sale has been completed – either according to a fixed schedule or whenever you need us. Our service and installation engineers are there for you 365 days a year. Whatever the service, we guarantee top quality. This is down in no small part to our effective quality management system – Kiebler AG is the only suspended slewing crane manufacturer to receive ISO 9001:2015 certification.



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