Next Level

The new 8th generation of material handlers

LIEBHERR

Material handling machines



Coming soon

An overview of material handlers

Maximum performance

- **Load sensing control system** with optimally coordinated digging, swing and travel movements for precise operation and maximum material-handling capacity
- **High-performance hydraulic system** for fast work cycles, smooth parallel movements and high fuel efficiency
- **Optimised kinematics and robust equipment components** for high load capacities, long reach and maximum productivity
- **Liebherr quick-coupling systems and attachments** for maximum machine utilisation and the highest level of operational flexibility
- **Electric stroke limit damping** for smooth operation, high ease of use and a longer lifetime for the components



Intuitive ease of use

- **Spacious, comfortable emCAB** cab with an ergonomic workstation, plenty of room to move about and a particularly quiet working environment for fatigue-free working
- **INTUSI operating concept** with customisable displays, functions and a co-vibrating console for maximum efficiency and intuitive operation
- **Customisable joysticks** for maximum flexibility, excellent ergonomics and a machine control system perfectly tailored to the operator
- **Electric pilot control** for precise operation, a high level of comfort and the seamless integration of modern assistance systems
- **Air-suspended operator's seat with seat climate control and automatic air conditioning** for maximum driving comfort and a focus on work
- **Infinity windscreen, large glass panels and floor-to-ceiling windows** for an optimal view of the working area and surroundings
- **Smart Key with driver profiles and a standard sliding door** for personalised settings and convenient access to the cab



Integrated security

- **Intelligent assistance systems such as skyview 360°**, working area limitation, weighing system, stabiliser assistant and Modetronic for greater safety, productivity and ease of use
- **Standard pipe break protection devices and load-holding valves** for the reliable protection of the operator, the machine and the working environment
- **Fold-down front guard with slanted slats** for optimum protection whilst ensuring the best possible view of the work area
- **Standard CCTV and LED lighting** for optimum visibility and maximum safety

Maximum machine availability

- **A service-friendly machine desig**n with optimum access to all maintenance points, ensuring short service times and maximum machine availability
- **Extended service intervals of 1,000 operating hours**, resulting in less maintenance, lower operating costs and more productive operating time
- **Standard automatic central lubrication system for the upper structure and attachments**, ensuring lower maintenance requirements and a longer service life for components
- **Optional central lubrication system, extendable right up to the attachment**, for even less maintenance
- **Recycling package** featuring an air pre-filter with cyclonic dust extraction, a reversible fan and an external air conditioning condenser for consistently high performance and maximum machine uptime in high-dust applications

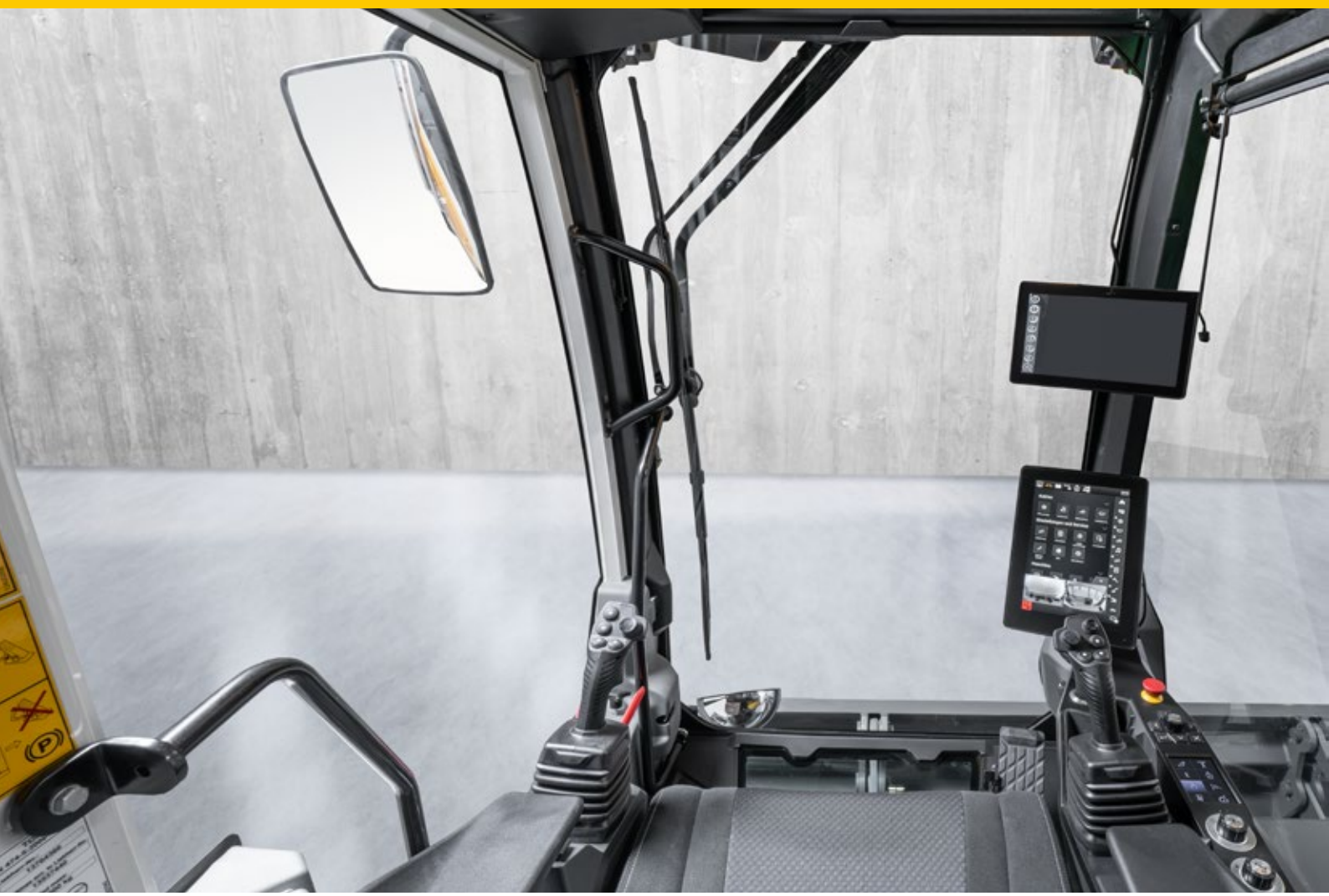
Superior stability

- **4-point suspension with optional dozer blade** for maximum stability, high handling capacity and efficient clearing work
- **Individual control of the claws** for flexible support, even under demanding operating conditions
- **Maintenance-free support components** for minimal downtime and high machine availability
- **Load-holding valves on all outrigger** cylinders for maximum stability and safety
- **Optional centralised lubrication of the support** for reduced maintenance and increased productive operating time

Cab

More space. More comfort. Greater productivity.

The new emCAB combines the highest level of comfort with the innovative INTUSI operating concept.
An ergonomically designed workstation, intuitive operation and customisable settings create the ideal conditions for productive and fatigue-free working.



Excellent visibility

Excellent all-round vision
The Infinity windscreen, with 15 % more glass area, a large sliding window and slim cab pillars, provides optimum visibility of the working area and the surroundings. This helps ensure precision and improves safety.

Spacious workspace
The more spacious interior provides greater freedom of movement and a pleasant sense of space. This enhances comfort and creates the ideal conditions for long working days.



Easily accessible
The fold-down front guard provides quick and easy access to the windscreen. This makes it easy to carry out cleaning and maintenance work and ensures optimum visibility at all times.



Clear visibility
The diagonally arranged slats of the front protective grille provide reliable protection for the windscreen whilst ensuring the best possible view of the working area. This ensures that the operator always has a clear overview and can work safely and accurately.



Ideal lighting for the work area
High-performance LED lighting packages ensure uniform illumination of the work area, improve visibility and enable precise work even in the dark and in poor weather conditions.



Greater control at close range
The standard cab floor window provides a direct view of the working area beneath the machine, particularly when the cab is raised. This gives you more control and precision in handling operations. The headlamp beneath the floor window, which is included in the Comfort lighting package, illuminates the work area precisely and helps ensure accurate work even in poor lighting conditions.

High level of comfort

Ergonomic workplace
Ample legroom and headroom, together with individually adjustable control elements, enable an ergonomic working position and promote comfortable working.

Superior seating comfort as standard
The standard air-suspension operator‘s seat with seat climate control enhances comfort andhelps you to work with focus throughout the working day.

Comfortable cabin climate
The standard automatic air conditioning system, which offers 25 % more cooling capacity than the previous generation, ensures a comfortable working environment even when outside temperatures are high. This enhances the operator’s comfort and helps them to remain focused throughout the working day.





Greater comfort in the sun and heat
Sun blinds on the front, roof, rear and side windows reduce glare and direct sunlight.

Low noise level
Particularly low sound pressure levels in the cab reduce noise exposure and ensure a more pleasant working environment inside the cab.

Well-thought-out features



Well-designed storage solutions for everyday working life
A wide range of storage and organisation options keep essential items within easy reach and ensure the cabin stays tidy.



Drinks served at the perfect temperature
The air-conditioned bottle holder keeps drinks cool or at the right temperature, making long working days more comfortable.



Personal settings at the touch of a button
Smart Key automatically loads the saved operator profiles, each with their own individual settings for operation and display. This means the machine is immediately ready for use, making it easier to switch between different operators.



A pleasant atmosphere
Subtle ambient lighting creates a pleasant working environment in the cab.

Safe in use

Convenient access to the cabin
The standard sliding door allows for convenient and space-saving access to the cabin. For machines operated from a platform, a raised handle ensures safe and ergonomic access.



INTUSI

Intuitive operation. Better ergonomics. Precise control system.

INTUSI combines machine control, displays and control elements in a single central user interface. Customisable settings, ergonomically arranged control elements and flexible configuration options enable the machine to be operated in a way that is tailored to the operator.



Main display

A sight to behold
A large touchscreen display brings together machine information and settings in a single, centralised user interface. The clear layout allows quick access to key functions and facilitates intuitive navigation.

Flexible home screen
Frequently used information, functions and status indicators can be arranged individually in the favourites bar. This means that relevant contents are are immediately available and can be contacted quickly.



Joysticks

Control individually
Freely configurable joysticks can be adapted to suit personal operating preferences and a range of operational requirements. Functions can be placed where they are required for day-to-day use.

Ergonomic operation
The ergonomic design and multi-stage adjustable handle height help ensure a comfortable working position, even during long periods of use.

Navigation directly on the joystick
The integrated mini-joystick allows you to perform the operation and navigation of the display directly using the control lever. Settings can be adjusted without having to switch between different control elements.





Control panel

Key functions right at your fingertips
The customisable keypad provides quick access to up to eight freely selectable functions. Frequently used machine functions are immediately available at all times.

Resonant operating concept
The control console and main display move in unison with the seating system. This ensures that the displays and control elements remain in a fixed position at all times.

Operation according to personal preferences
Machine functions can be operated via the touchscreen, joystick or keypad. This allows the operation to be flexibly adapted to individual preferences.

Software & assistance features

Adaptable to any task
With the Fine, Efficient and Dynamic operating modes, as well as the customisable Custom mode, machine parameters can be adapted to different operating conditions and work requirements.

Open to expansion
An open system architecture provides the basis for additional functions and assistance systems. Software updates enable the continuous development of the Systems.

Assistance systems

Smart technologies. A noticeable sense of relief. The highest level of security.

Electrical pilot control

The basis for modern assistance systems
The standard electric pilot control system provides the basis for modern driver assistance and automation functions. It enables precise, responsive machine movements and, by eliminating the need for hydraulic pilot lines, reduces noise and vibration in the cab.



Skyview 360°

All-round visibility in action
Four HD wide-angle cameras provide a high-resolution bird's-eye view of the machine and its working environment. This improves clarity and makes it easier to Manoeuvring manoeuvres and helps with the early detection of obstacles.

Arbeitsraumbegrenzung

Staying safe in the workplace
Intelligent workspace boundaries assist the operator in making precise movements in confined applications and help to prevent collisions. The Essential version includes limits for height, depth*, reach*, proximity* and cabin protection*. The Advanced version* adds pan range limits and virtual walls to these functions.



Support assistant

Automatically supported
In Auto mode, the machine automatically extends its grippers and aligns itself. The digital spirit level aids precise positioning, whilst a full manual control system for all clamps remains possible if necessary.





Smart Key

Set personally
The Smart Key recognises the operator via RFID and automatically loads stored driver profiles with personalised settings for the display and operation. The Comfort version includes additional convenience features such as a wireless remote control for operation, lighting control, and ‘Coming Home’ and ‘Leaving Home’ functions.

Weighing system

Keep track of material quantities at all times
An integrated weighing system* records material weights directly during operation and helps ensure that target weights are met during loading. The weighing data is automatically recorded and transferred to MyLiebherr Performance, ensuring that loading performance can be tracked at any time.



* Available at a later date

Information & Sales

Downloads

All brochures for earthmoving and material handling at a glance.

Download now and find out more!

Configurator

Configure the perfect machine for your application.

Start now and choose the ideal solution!

Energy efficiency calculator

See how much fuel you can save with a Liebherr.

Calculate your consumption now and start saving!

Sales partner

Your local contacts.

Find your sales partner and get advice specific to your needs!

MyGuide app

Products, information and news – all in one app.

Download now and get started right away!

Contact form

We will take care of your request.

Get in touch now and we will work on your enquiry together!

Note

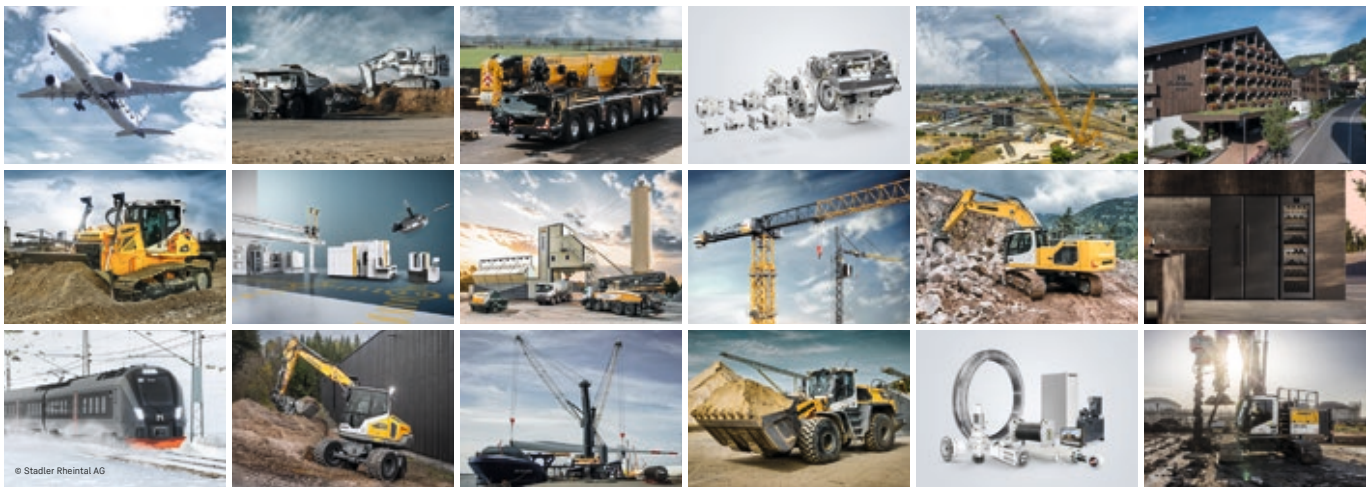


The technical data, performance specifications and functional descriptions presented in this brochure are based on the current state of development of the products featured Prototypes All contents are provided for information purposes only and are subject to change at any time as product development progresses, right up to the start of series production.

We expressly reserve the right to make design adjustments, technical modifications or changes to specifications, performance, design and availability.

Binding specifications regarding final specifications, the scope of delivery and the market launch will only be announced once series production begins.

The Liebherr Group



Global and independent: more than 75 years of success
Liebherr was founded in 1949 when, with the development of the world's first mobile tower crane, Hans Liebherr laid the foundations for a family-run company which now has more than 55,000 employees and comprises over 150 companies across every continent. The holding company of the Group is Liebherr-International AG in Bulle, Switzerland, whose shareholders are exclusively members of the Liebherr family.

Technology leadership and pioneering spirit
Liebherr is a pioneer and its forward-looking approach has seen it make important contributions to technology history over a wide variety of industries. Employees throughout the world continue to share the courage of the company founder, sharing a passion to produce innovative products and a determination to provide world-leading equipment and machinery.

Diversified product programme
Liebherr is one of the world's biggest construction machine manufacturers and provides high-quality, user-oriented products and services. Its product range includes the product segments earthmoving, material handling, deep foundation, mining, mobile and crawler cranes, tower cranes, concrete technology, maritime cranes, aerospace and transportation systems, gear technology and automation systems, refrigerators and freezers, components and hotels.

Customised solutions and maximum customer value
Liebherr solutions are characterised by precision, implementation and longevity. The company is committed to technological excellence and to providing customers with solutions that match their needs exactly. For Liebherr, customer focus does not end with delivery of a product but continues through a comprehensive range of back-up and support services.

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