

EPSILON TIMBER & RECYCLING CRANES

**PALFINGER**

# **RIISING TO ANY CHALLENGE. WOOD HAULAGE**

[PALFINGEREPSILON.COM](http://PALFINGEREPSILON.COM)







# WE FOCUS ON FINDING SOLUTIONS. NOT PROBLEMS.

Life is a process of constant growth. It's all change, everything is in flux, nothing stays as it is. And PALFINGER EPSILON is no different: every task helps us to grow further. Whether the task is one of our own, or comes from you.

Because constructively implementing our customers' feedback is important for us in order to provide you with customised products that meet your requirements exactly.

And this has a name: EPSOLUTION. EPSILON and SOLUTION gave rise to an innovative concept that places benefit to the user centre stage and transforms customer feedback into tangible solutions. EPSOLUTION is a living philosophy and one that is constantly growing. Because nothing is so good that it can't be even better.





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# OUR FAMILY TREE.

Our roots can be found in Austria. But the whole world is our home. Whatever country and whatever working area we are manufacturing our innovative products for, customer benefit always has topmost priority. Not until our customers are 100% satisfied, are we satisfied as well. Our international success proves that this way of thinking is the right one.





## RELIABILITY & EXPERTISE

The premium quality and high capacity of the products, the durable components and outstanding workmanship, the global service security and the stability and strength of the company make PALFINGER a reliable partner for professionals.

## ECONOMY & EFFICIENCY

PALFINGER products boast an outstanding price-performance ratio. The high level of productivity, ease of operation, tightly knit service network and high resale value mean that an investment in a PALFINGER product more than pays for itself over its service life.

## SERVICE & LOCATIONS

The combination of outstanding products, a sharp customer focus and expert service makes up the overall concept behind PALFINGER and is enhanced by a global dealer network and local sales and service partners.

## INNOVATION & FLEXIBILITY

PALFINGER is committed to leadership in innovation. Ground-breaking developments have revolutionised products in the past, and intelligent system solutions and unique functions from PALFINGER will continue to shape the industry and new product developments in the future, too.







EPSILON.

# A STABLE TREE WITH THREE LOAD-BEARING BRANCHES: DESIGN, COMFORT AND TECHNOLOGY.



10.5m reach double telescope

## ABSOLUTE COMFORT

We make your work that bit more pleasant by creating an optimum working environment for the man machine interface.

### ERGONOMICS AND SAFETY

- Ergonomic seat position (Master Drive and EPSCAB) and ergonomically arranged control levers
- More legroom
- Seat comfort thanks to seat heating and seat suspension (vertical/horizontal)
- EPSHOOD (operator protection) with the Master Drive or full protection with EPSCAB (operator cab)

### SENSITIVE CONTROL UNIT

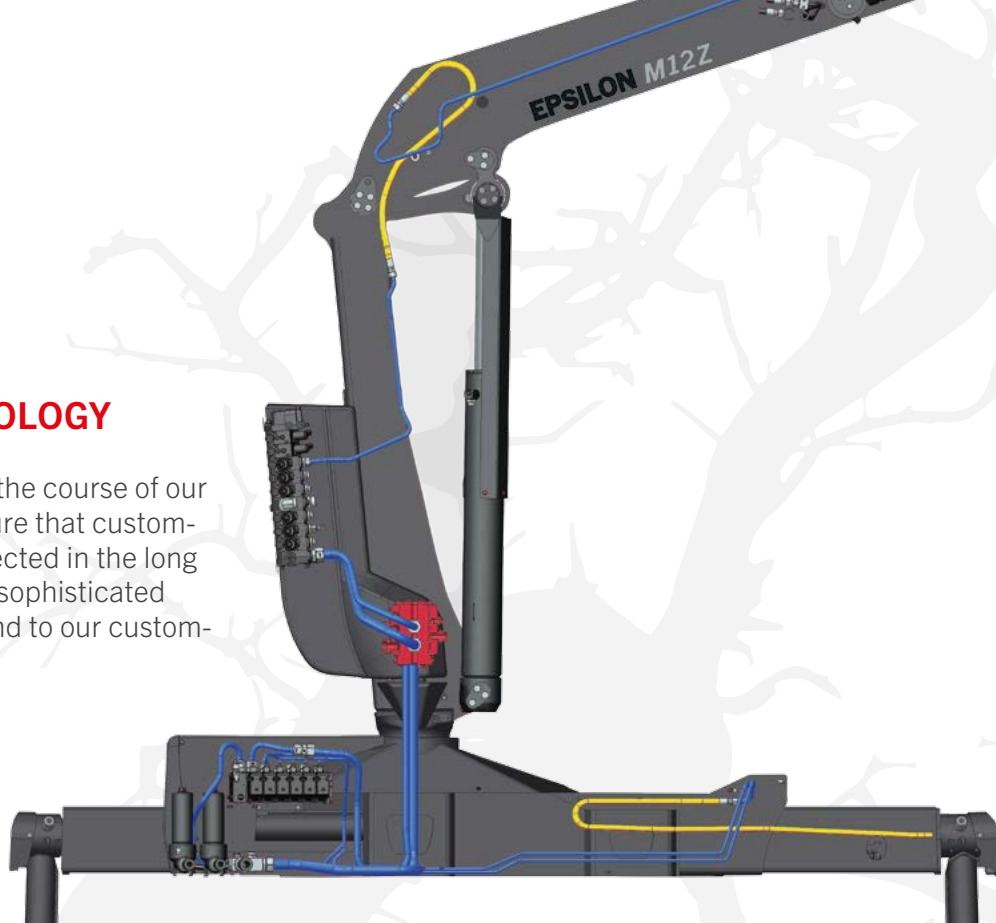
- Hydraulic pilot control
- Zero-clearance bearing of the hand levers
- Seat manufactured by GRAMMER
- Ergonomically shaped joysticks
- Newly coordinated control valve specifications
- Load sensing (optimum load efficiency)

### FASTER LOADING

- The longest reach in the industry is achieved by the new double telescope based on the synchronism principle (10.5 metres in the Z-crane)
- Constant power and constant arm speed in the entire movement range thanks to our linkage system

## ULTRA-MODERN TECHNOLOGY

Our technology works. Because in the course of our development work, we always ensure that customer budgets and resources are protected in the long term. We achieve this by means of sophisticated technological concepts that respond to our customers' needs. Fewer downtimes



### FEWER DOWNTIMES

- Internal hose guide to reduce the risk of damage
- Less servicing, e.g. thanks to the crane column in the oil bath
- Easy access thanks to service openings

### LONGEVITY

- Optimum selection of the materials for low wear and permanent value retention
- End-stroke damper in the slewing system (soft-stop)
- High-quality bronze bearing bushes
- Usage of low-wear guide blocks
- KTL coating for extremely durable surface protection

### CATHODIC DIP COATING

Innovative process engineering for long-lasting surfaces. The customer can experience a level of value retention here that can normally only be encountered in the automotive industry. The right surface treatment forms the basis for durable and long-lasting surface protection. In the cathodic dip coating systems, components go through the individual process stages of KTL coating in a fully automated way. In the individual dip tanks, the components are degreased, rinsed, activated, coated with zinc phosphating, rinsed again, passivated, rinsed with ultrapure water and coated with KTL by means of an electrostatic dip-coating process. Painting robots finalise the surface treatment.

## FUNCTIONAL DESIGN

The benefit to you is what's most important to us! The design emerges from functionality, which is what we place the greatest value on. And this is only too obvious!

- All-around view in the Master Drive thanks to the new EPSHOOD made from technical thermoplastic
- More compact parking position thanks to the pneumatically retractable weatherproof roof
- Protection against wind and weather for the operator – EPSHOOD offers optimum protection and comfort for all jobs
- Larger climbing surfaces
- Stabilizer is covered to protect the stabilizer valve and hoses
- Crane finish – optimum positioning of the control slide valve
- Multi-functional armrest (Master Drive)







# OUR IDEAS GROW OUT OF YOUR FEEDBACK.

We asked ourselves: who knows best what the perfect cranes for wood haulage must look like? Anyone who works with them! For this reason, the ideal platform for perfect performance is formed by working together with our customers: your words, requirements and points of view are the foundation on which we create lifting capacity, installation height and arm geometry – the crane features of the new timber crane generation. This is EPSOLUTION.



# ABOVE IT ALL

## Cabin

EPSCAB – the command centre to meet the highest demands. It offers protection in all weather conditions, and thus perfect all-round comfort. This cab guarantees optimum safety as well as variable control methods: mechanically, hydraulically piloted or electrically controlled.

### CABIN

- Outstanding comfort thanks to hydraulic damping system and air-suspended seats

### HYDRAULICALLY PILOTED CABIN

- Makes it easy to work precisely
- Lower oil pressure
- Easier to control
- Sensitive working method
- Excavator control



### CRANE OPERATOR PROTECTION IN EPSCAB

- Excellent working atmosphere, heater and air-conditioning system available as an option
- Comfortable working environment thanks to air-suspended comfort seat



## High seat

The benchmark for comfort and user-friendliness is raised to a new level with the Master Drive high seat. This high seat gives the operator full control for every job and offers an unrestricted view of the working area. Sophisticated design and excellent technology allow ergonomic handling.

### EPSHOOD CRANE OPERATOR PROTECTION

- Excellent protection in all weather conditions
- Technical thermoplastic for an excellent view
- Pneumatically foldable

### HIGH SEAT

- Hydraulically piloted joysticks for ultra-high precision
- Mechanically suspended comfort seats from GRAMMER
- Ergonomic multi-functional armrests for effective working FAR-REACHING







# SOLUTIONS.

## Short wood

Speed and precision – this is what the EPSILON short wood cranes stand for. Whether you choose a Z-crane with the largest reach or an L-crane with optimum crane geometry, you are guaranteed to find the ideal crane for every short wood application.













# LASTS A LIFETIME.



## Long wood

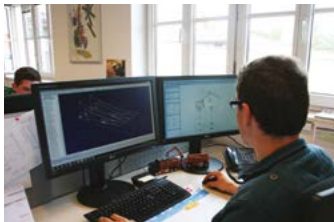
What does a crane need in the long wood industry? Strength and endurance. The HPLS (High Power Lifting System) and the durability of all components make EPSILON an absolutely reliable partner.



# YOUR TASKS HELP US TO GROW FURTHER.

## Service

With PALFINGER EPSILON, every product is much more than the sum of its parts. Throughout the entire company, we work to ultra-modern requirements and always aim to create durable, innovative and customised solutions for our customers. Customer satisfaction has topmost priority for us.



### PROJECT CONSULTANCY

Experienced sales experts offer customers a consultancy service and support in selecting products and equipment. EPSILON provides its network of dealers with the right software to create an optimum vehicle design and to calculate axle loads, stability and subframes:

- More cost-effective in operation
- Safe operation of the crane
- Increased resale value



### RELIABLE SERVICE

With approximately 4,500 sales and service support points, PALFINGER offers a globally unbeatable, comprehensive network of dealers, service partners and sales workshops. Quick and competent assistance with problems as well as a rapid, complete supply of original replacement parts. We operate worldwide, but we're always nearby.



### SPARE PARTS SUPPLY

Several spare parts centres guarantee a complete supply of spare parts worldwide: within 24 hours in Europe. The spare parts center for Europe, South America and Asia is located in Lengau. On average, approximately 1,000 items are machined every day, and handled smoothly and with expertise. The central spare parts depot for North America is located in the PALFINGER plant in Niagara Falls, Canada. All original spare parts have been tested and meet the PALFINGER quality standard.



# WE MAKE YOUR WORK MORE EFFICIENT. GUARANTEED

PALFINGER EPSILON EXTENDS ITS WARRANTY FROM 2 TO **3 YEARS**

The new warranty provides a handful of benefits

Not only do we promise our customers excellent, long-lasting, high quality machines; we also abide expeditiously by this promise. PALFINGER EPSILON extends its warranty for all products – irrespective of segment – from two to three years.



3-year warranty for material costs on load-bearing parts, excluding grapple bodies & grapple arms.

The detailed warranty terms and conditions can be found in the Guarantee & Warranty Guidelines dated 01/01/2016.



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Some of the cranes shown in the leaflet feature optional equipment and do not correspond to the standard version. Country-specific regulations must be observed. Dimensions may vary.  
Subject to technical changes, errors and translation mistakes.