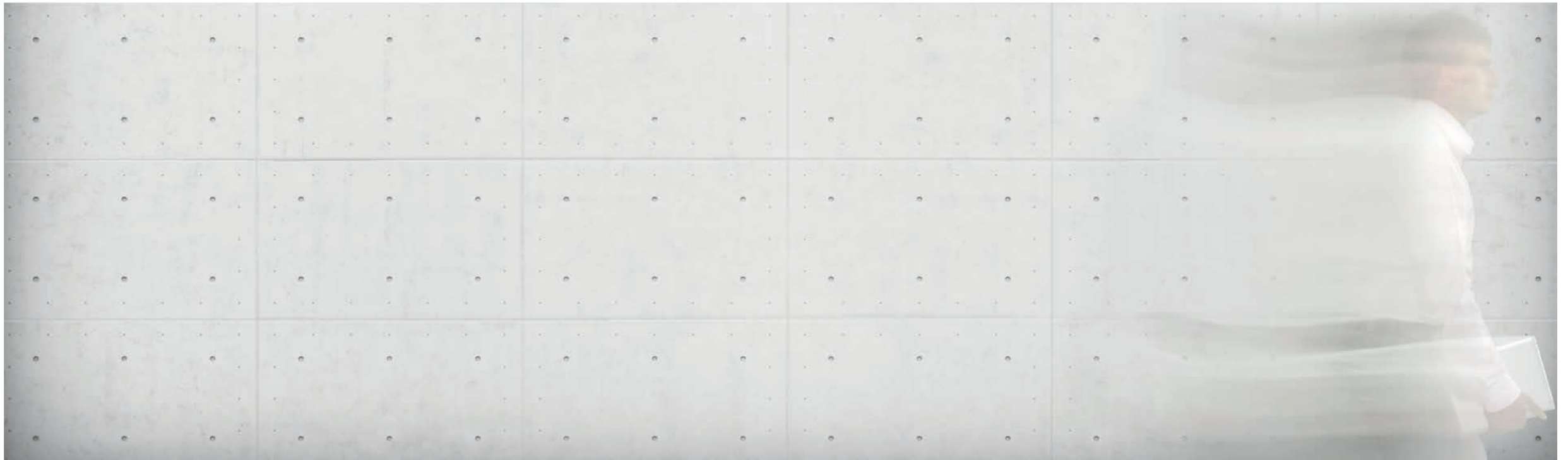




THE FUTURE  
OF LEVELLING  
TECHNOLOGY?  
NOW IT'S  
BEGINNING AGAIN!

## PEAK PERFORMER GC

“ONLY THOSE WHO LOOK  
FOR INNOVATIONS WILL  
ACTUALLY FIND THEM.”



# CONTENTS

<b>Revolutions mark the beginning of great changes</b> The Peak Performer GC	05
<b>A question of efficiency</b> Why the Peak Performer GC is the right answer	06
<b>Technology of tomorrow already being used today</b> GAP-Control sets new standards	08
<b>Performance data at a glance</b> Designed to meet every need	09
<b>Welcome to the Competence Center Levelling!</b> Optimal levelling technology for industrial production processes	10



---

# REVOLUTIONS OFTEN MARK THE BEGINNING OF GREAT CHANGES!

---

THE HISTORY OF TECHNICAL DEVELOPMENT SHOWS THAT CRUCIAL STEPS FORWARD HAVE ALWAYS BEEN QUANTUM LEAPS, I.E. SUDDEN CHANGES WHICH HAVE FIRST OF ALL FUNDAMENTALLY BEEN CALLED INTO QUESTION AND THEN REPLACED WHAT HAD BEEN CONSIDERED VALID AND BEST UP UNTIL THAT POINT. KOHLER'S PEAK PERFORMER GC RECONFIRMS HISTORY'S TENDENCY TO DO THIS.

The development of the Peak Performer GC once again underlines the pioneering role KOHLER has occupied in levelling technology for many years now. We are not classed as market leaders and problem solvers who build machines with an unmatched degree of individualization for no reason. "Nothing ready-made and everything in the interests of our customers" is one of our main principles. This exclusive focus on customer benefit is manifested by the Peak Performer GC in the best way currently possible. As a standard machine with extremely high potential for individualization, it impresses through outstanding calculable precision and maximum efficiency, for example. By producing the Peak Performer GC, KOHLER has not just used the latest technology, it has taken technology to a new level – which will benefit any customer who only trusts leaders in expertise and therefore wants to take a crucial step forward in efficiency with KOHLER.



# THE FUTURE STARTS NOW: WITH THE PEAK PERFORMER GC.

WHY WILL THE PEAK PERFORMER GC BE THE ONLY RIGHT ANSWER FOR INNOVATIVE COMPANIES IN THE FUTURE?

Because productivity and efficiency will be even more important tomorrow than they already are today.



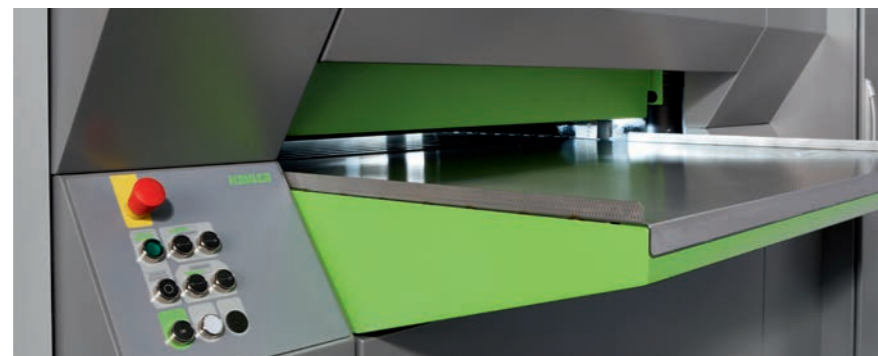
## Revolutionary: the electromechanical levelling gap control unit

The Peak Performer GC opens the door to a new dimension of precision. The key to this door is GAP-Control, a revolutionary electromechanical levelling gap control unit which does not have a hydraulic system. It was developed by KOHLER and works with an extremely stable quadruple wedge system which has energy-saving actuators. Without vibrating and making very little noise, these take levelling quality to a new high, thanks to pressure surges with precision position recording in the  $\mu\text{m}$  range. Even in the case of very complex parts which are made from high-strength metal and have varying cross-sections, this new quality standard is achieved.

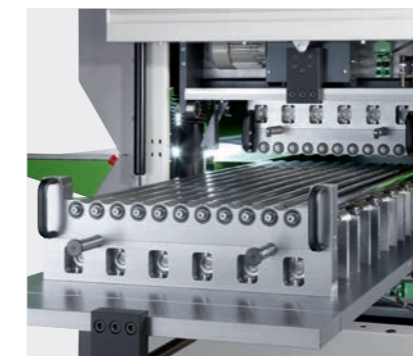
As well as quality, the new unit increases productivity. The higher energy and maintenance levels resulting from the lack of hydraulic elements are partially responsible for this, along with a clever cleaning and quick-change device. An intelligent overload protection device, which protects the machine from mechanical damage and the customer from extra costs, also contributes to the improvement in efficiency. And of course, the reversing device, which can be used to reverse the infeed and outfeed settings within seconds, plays a role here too, as does the control unit with a calculation programme, over 200 tool storage spaces, and shutdown management. Basically, the Peak Performer GC takes a crucial step forward in every respect.



— Innovative control unit



— The infeed and outfeed can be adapted to suit customers' individual needs.



— Extended cleaning and quick-change device

## PERFECT LEVELLING TECHNOLOGY SOLUTIONS

— KOHLER is a specialist in levelling technology solutions for industrial sheet metal production processes.

— KOHLER perfects the entire levelling process – from individual sheet metal parts right through to fully automated solutions.

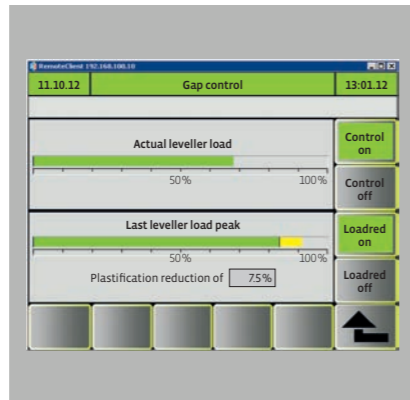
# TECHNOLOGY WHICH SETS NEW STANDARDS!

THE REVOLUTIONARY TECHNOLOGY OF THE PEAK PERFORMER GC IS A FUTURE-FOCUSED SOLUTION INTENDED FOR INDUSTRIAL COMPANIES OF VARIOUS SECTORS.

Areas in which the machine would make a difference include aerospace, car manufacturing, shipbuilding, steel service centers, household and medical products, construction machinery, rail vehicles, furniture, aluminium processing, and the electrical industry, as well as many more.



— Guarantees constant accuracy



— Prevents mechanical damage



— Can be operated from both sides

### Revolutionary GAP-Control

Quiet energy-saving actuators control and keep the levelling gap constant via a friction-optimized quadruple wedge system. The system's stiffness and high force displacement conversion rate provide incompressible and high-precision control. Another advantage of GAP-Control is the fact that it does not react to fluctuations in its ambient temperature and therefore does not need to be in a climate controlled environment to run smoothly.

### Intelligent overload protection

To protect the levelling machine from mechanical damage, the overload protection device measures its load and responds within a fraction of a second. If the specified normal load is exceeded, the intelligent system reduces the degree of plastification, which prevents rejects. If there is a threat of overload, the machine automatically shuts down and the roller frame opens. This guarantees reliable and unaffected monitoring.

### Efficient reversing device

The wedge system can be used to reverse the machine's infeed and outfeed settings within a few seconds. The levelling rollers' direction of rotation changes automatically, allowing material to be inserted from both sides very quickly.

## NO OPEN OILS

— The electronic levelling gap control unit works without hydraulics or open oils. The benefits: lower environmental protection, maintenance, and running costs.



— The Peak Performer GC guarantees outstanding levelling accuracy.

# PERFORMANCE DATA AT A GLANCE.

Type	Max. passing width	Adjustable material thickness	Quick-change device	Extended quick-change device	Motor setting	GAP-Control	Reversing system	Expert calculation	Speed
50	500 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	600 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	800 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	1000 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	1250 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	1500 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	1850 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
50	2200 mm	0.5 - 11 mm	■	□	■	■	□	■	3 - 20 m/min
65	500 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	600 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	800 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	1000 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	1250 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	1500 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	1850 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
65	2200 mm	0.5 - 15 mm	■	□	■	■	□	■	3 - 20 m/min
80	500 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	600 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	800 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	1000 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	1250 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	1500 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	1850 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
80	2200 mm	1 - 23 mm	■	□	■	■	□	■	3 - 20 m/min
100	500 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	600 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	800 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	1000 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	1250 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	1500 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	1850 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
100	2200 mm	1 - 27 mm	■	□	■	■	□	■	3 - 20 m/min
120	500 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	600 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	800 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	1000 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	1250 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	1500 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	1850 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
120	2200 mm	2 - 32 mm	■	□	■	■	□	■	3 - 20 m/min
150	600 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	800 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	1000 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	1250 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	1500 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	1850 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
150	2200 mm	2 - 42 mm	■	□	■	■	□	■	3 - 20 m/min
180	600 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	800 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	1000 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	1250 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	1500 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	1850 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min
180	2200 mm	2 - 60 mm	■	□	■	■	□	■	3 - 20 m/min

■ = Standard □ = Option / More machine types on request

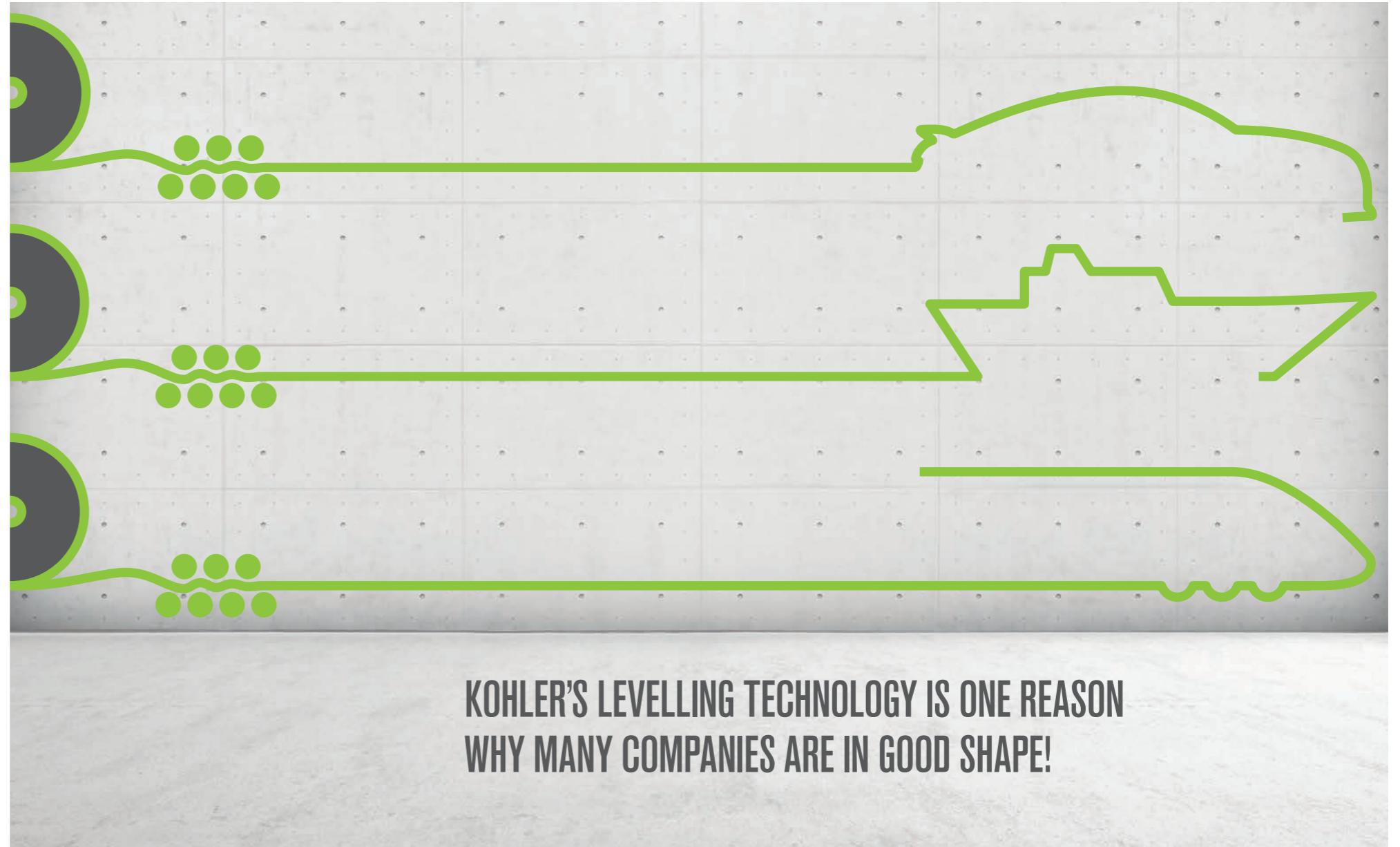


# WELCOME TO THE COMPETENCE CENTER LEVELLING!

KOHLER'S REPUTATION AS A PRODUCER OF EXCELLENT TAILOR-MADE LEVELLING TECHNOLOGY SOLUTIONS FOR INDUSTRIAL PRODUCTION PROCESSES EXTENDS WELL BEYOND THE BORDERS OF GERMANY. THE COMPANY IS ALSO WELL-KNOWN AS A CAMBER LEVELLING LINE SPECIALIST.

The best and most effective levelling technology solutions are always perfectly designed, and then fit in to enhance a production system seamlessly when they are actually constructed – and this is exactly what KOHLER's solutions do. Traditionally, we are not just successful in our core area of levelling technology, but also in the other important peripheral areas, i.e. handling, levelling, cutting, washing, and stacking. This universality, the high level of expertise across our staff, and our can-do attitude, which is typical of the region of Baden, are also demonstrated by complete automation solutions.

Our area of expertise, special machine construction, has proven to be a logical consequence of our focus on advice and solutions, as well as our wide product range and the experience we have accumulated through building over 6,000 levelling machines. Customers also turn to us when they want to modernize production lines, their own products, or products made by other manufacturers. These customers generally come from the top end of their industry, and we make our collaboration with them as simple as possible by employing the one-face-to-the-customer principle.



**KOHLER'S LEVELLING TECHNOLOGY IS ONE REASON WHY MANY COMPANIES ARE IN GOOD SHAPE!**



— Quick-change device as standard



— Optimized roller support

## COMPETITIVE ADVANTAGES

- KOHLER identifies and increases potential for improvement in levelling technology solutions, which makes customers more competitive.
- KOHLER solves every levelling technology challenge with enthusiasm and Baden engineering.



---

**KOHLER Maschinenbau GmbH**  
Einsteinallee 7  
77933 Lahr, Germany  
Telefon: +49 / (0)7821 / 6339 - 0  
Telefax: +49 / (0)7821 / 62585  
info@kohler-germany.com  
www.kohler-germany.com