pewag
engineering

Strong. Precise. Reliable.

Your solution for cutting and testing chains, slings, and lifting products.

English EN

Who we are

We, pewag engineering, are an independent company within the pewag group and have been a reliable partner in product development, machine and plant engineering for over 35 years.

Our portfolio includes standardized products such as chain cutters, testing machines, and various devices and tools. These systems have proven themselves many times in practice, are ready for immediate use, and can be customized as needed.

In addition, we implement customer-specific product developments and realize solutions in special machine construction—from assembly systems to testing and measuring devices to robot applications.

Whether standard solutions or special projects: we see ourselves not only as a supplier, but as your partner—from the initial idea through planning, development, and simulation to assembly, programming, and commissioning—all from a single source.

“ It is not enough to do things very well. The drive to constantly improve is what makes the difference.
That‘s what pewag engineering stands for.

Ägyd Pengg
Owner

Markus Scheibner & René Krejci
Managing Director

Markus Scheibner has been managing director of pewag engineering since mid-2020 and has been working for pewag since 2016. René Krejci has been commercial managing director of pewag engineering since 2005.

“ It is particularly important to us that our customers receive innovative, tailor-made solutions and that we can contribute to their success. We therefore strive to build on our company‘s many years of expertise and experience so that we can continue to be a competent and innovative partner for our customers in the future.

Contents

Chain cutters, testing machines, and devices for processing and testing lifting products from pewag.

The pewag engineering product range combines robust technology with precise functionality – for cutting, testing, and calibrating chains and lifting products. Our stationary and mobile chain cutters, powerful testing machines, and high-quality devices and tools are designed for professional daily use. All products are characterized by easy handling, high reliability, and maximum safety.

Chain and wire rope cutters PKS300 & PKS500

Our PKS300 and PKS500 chain and wire rope cutters impress with their outstanding quality, durability, and powerful performance. They have been specially developed for cutting chains with a wire diameter of up to 16 mm (PKS300) or 26 mm (PKS500) – regardless of the chain's grade. Up to 20.000 cuts can be made with one set of blades without any problems.

Both products are available in stationary and mobile versions and are mounted on a functional chassis. Their robust construction and sophisticated technology ensure simple, safe, and fast handling.

Performance data and features of the PKS300:

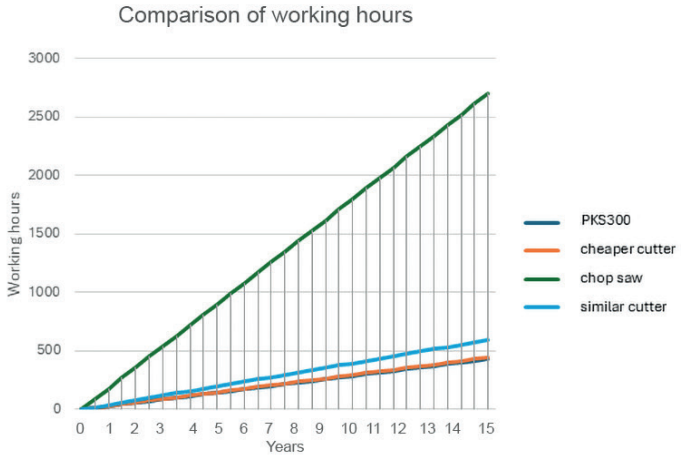
- Cutting force: 30 tons – ideal for two-leg cuts up to 16 mm
- Hydraulic cylinder specially designed for punching and cutting operations
- Operation at 200 bar for long service life and low noise level
- Carbide cutting blade with extremely long service life
- Foot pedal for hands-free operation
- Powerful hydraulic unit with 2.2 kW Siemens motor
- Suitable for stationary or mobile use

Your advantages at a glance:

- Cutting blade with three cutting edges – tool-free and easy to turn, up to six usable cutting edges
- Reliable two-leg cutting across the entire wire diameter range
- Easy and quick blade replacement
- Robust sight glass for a clear view of the cutting area
- Meets the highest quality standards

Example of an ROI calculation for the PKS300

Cuts per year	Cuts per shift (based on 250 working days per year)	Percentage of 13 mm chains	Percentage of 16 mm chains
3000	12	40%	30%



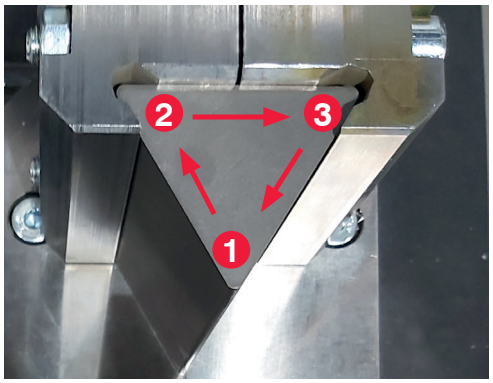
Chain and wire rope cutters PKS300

General data	Value	Unit
Performance data		
Maximum chain diameter	3-16	mm
Chains to be processed	Round and profile steel chains	
Chain grade	Two-leg Ø16mm to G80 One-leg Ø16 mm to G100	
Cutting force	30	t
Pressure	200	bar
Sound level	100	dB(A)
Mobile version		
Space requirements for complete chain cutter L x W x H	1080 x 795 x 1320	mm
Hydraulic unit L x W x H	Integrated	
Control cabinet L x W x H	Integrated	
Weight of the machine (with operating materials)	260	kg
Stationary version		
Space requirements for chain cutter L x W x H	849 x 280 x 343	mm
Hydraulic unit L x W x H	935 x 290 x 290	mm
Control cabinet L x W x H	254 x 180 x 111	mm
Weight of the machine (with operating materials)	180	kg
Electrical power supply		
Voltage	400 (EU)*	VAC
Nominal current	5	A
Cross-section of supply cable	2,5	mm^2
Fuse protection in the supply line	16	A
Use of neutral conductor:	yes	
Ambient conditions		
Temperature range	Room temperature ~21	°C
Humidity	65 %	Relative humidity

PKS500

General data	Value	Unit
Performance data		
Maximum chain diameter	Two-leg 6-22 One-leg up to 26	mm
Chains to be processed	Round steel chains	
Chain grade	G100	
Cutting force	50	t
Pressure	350	bar
Sound level	100	dB(A)
Mobile version		
Space requirement for complete chain cutter L x W x H	1080 x 800 x 1300	mm
Hydraulic unit L x W x H	Integrated	
Control cabinet L x W x H	Integrated	
Weight of the machine (with operating materials)	310	kg
Stationary version		
Space requirement for chain cutter L x W x H	950 x 440 x 365	mm
Hydraulic unit L x W x H	935 x 290 x 290	mm
Control cabinet L x W x H	300 x 200 x 150	mm
Weight of the machine (with operating materials)	230	kg
Electrical power supply		
Voltage	400 (EU)*	VAC
Nominal current	5	A
Cross-section of the supply cable	2,5	mm^2
Fuse protection in the supply line	16	A
Use of neutral conductor:	yes	
Ambient conditions		
Temperature range	Room temperature ~21	°C
Humidity	65%	Relative humidity

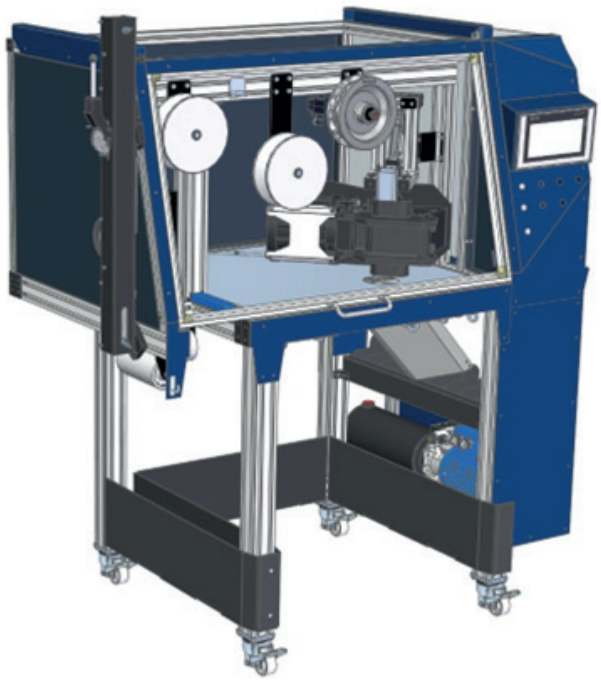
*Also available with UL certification on request



Mobile version

Automatic chain cutter PKS 300

The PKS300 automatic chain cutter was developed to meet the highest demands in chain cutting. It combines powerful cutting technology with modern automation and is ideal for series production. Automatic feeding and precise length measurement ensure an efficient and safe working process – whether mobile or stationary.



Performance data and features:

- Suitable for chain wire Ø and various chain pitches from 3 to 16 mm (Chain grade max. G80)**
- Individually adjustable chain feed – up to 15 meters per minute
- Maximum cutting force: 30 tons
- High safety standards for industrial use
- Non-slip link counting thanks to specially adapted pocket wheels
- Modern, functional industrial design
- PLC unit with touch display for easy operation
- Automatic detection of the sprocket wheel by means of a sensor
- Pocket wheels with central screw for easy conversion of the system

** Deviating dimensions and Chain grades must be agreed with pewag engineering.

Version with UL certification and for US power grid available.

Your advantages at a glance:

- Fully automated cutting process
- Quick setup and conversion
- Simple, intuitive operation
- Mobile use
- Efficient use of personnel
- Optional: integrated measurement of chain pitch

General data	Value	Unit
Performance data		
Maximum chain diameter	3-16	mm
Chains to be processed	Round and profile steel chains	
Chain grade	Two-leg Ø16 mm to G80	
Cutting force	30	t
Pressure	250	bar
Size and weight		
Space requirements machine L x W x H	1868 x 1082 x 2082	mm
Weight	615	kg
Control cabinet L x W x H	760 x 300 x 760	mm
Control cabinet weight	55	kg
Control panel (HMI) L x W x H	274 x 30 x 190	mm
Control panel (HMI) weight	3	kg
Electrical power supply		
Voltage	400	V
Nominal current	8	A
Power frequency	50	Hz
Cross-section of the supply cable	5 x 2,5	mm^2
Fuse protection in the supply cable	16	A
Use of neutral conductor:	yes	
Ambient conditions		
Air temperature during operation	+5 to +35	°C
Air temperature during storage	+5 to +35	°C
Relative humidity	Non-condensing, 30 to 95%	
Installation location	Enclosed in a hall	

Product development expertise

In addition to our series products, we develop new, customer-specific products, putting our expertise in product development to good use.

Forestry rope pulley

Our rope pulley for forestry ground pulling with roller-bearing and hardened rope pulley (20 times the rope diameter) impresses with its low weight.

MAG lifting magnet

The pewag MAG is a permanent lifting magnet with a 90° operating angle for lifting ferromagnetic loads and is characterized by its simple and versatile handling and robust design.

SBRH Snatch Block

SBRH blocks are pulleys that can be opened by pulling out a bolt to attach ropes.

If you are interested, please do not hesitate to contact us:
office@pwe.at
www.pewag-engineering.at

Devices for processing and testing lifting products

Do you need to cut lifting points precisely and without burrs – and preferably IMMEDIATELY?

Our saw for shortening and deburring lifting points is the efficient solution for clean cuts, fast processes, and high repeat accuracy—particularly helpful for short-notice customer orders and for all types of lifting points.

BEFORE

Saw for shortening lifting points

General data	Value	Unit
Performance data		
Maximum cutting diameter	50	mm
Speed	35-80	m/min continuously variable
Motor power	2000	W
Coolant lubrication	Integrated	
Size and weight		
Space requirements machine L x W x H	780 x 1080 x 1240	mm
Weight	143	kg
Other information		
Material support height	940	mm
Automation	Manual or automatic cutting	

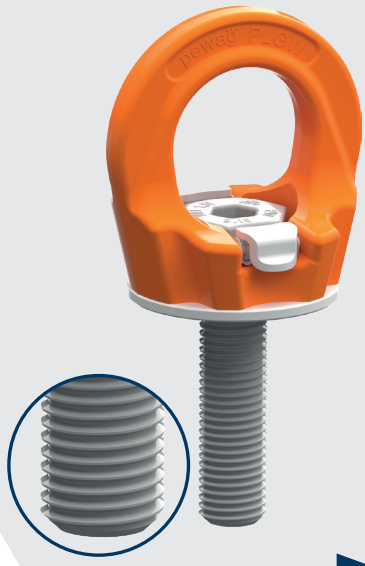
- Special clamping jaw for clamping lifting points from M8 to M48
- Ruler for setting the correct length of the lifting points
- Cooling and lubrication unit
- Simple operation
- Cuts without compromising quality; crack-free, with no loss of heat treatment, material grade, or strength

Precision when cutting lifting points

The saw was specially developed for the precise shortening of lifting points in the M8 to M48 range – ideal for pewag lifting points of various designs and products from other manufacturers.
Thanks to its robust design, ease of use, and additional device for deburring shortened lifting points, the system enables clean and time-saving work in daily use.

Your advantages at a glance:

- Precise and repeatable lengths of the lifting points
- Suitable for lifting points from M8-M48
- Band saw for precise cutting
- Additional deburring device for clean finishing
- Durable construction for workshop use

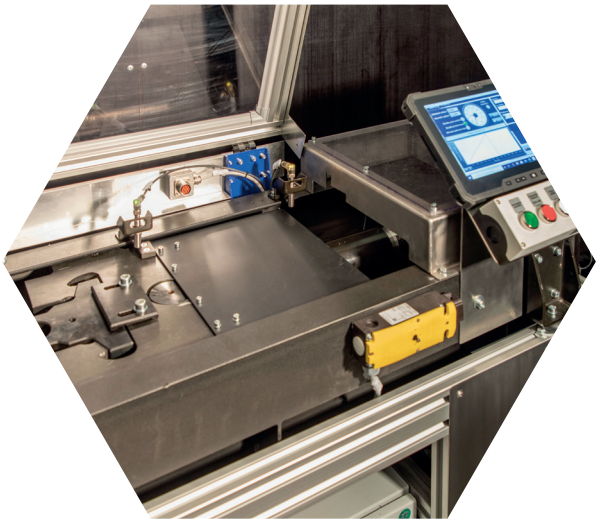


Device for deburring shortened lifting points **AFTER**

General data	Value	Unit
Performance data		
Screw diameter	M8-M48	mm
Maximum screw length	400	mm
Types of lifting points	pewag: PLAW-SL alpha with sleeve, PLBW beta, PLGW gamma, PLZW-FIX zeta Other manufacturers available upon request	
Material to be processed	Steel	
Grinding wheel	ø125 mm for stainless steel & steel, grit size 40	
Installation height	Can be mounted on a workbench, base not included	
Sound level	94/102	dB(A)
Size and weight		
Space requirements machine L x W x H	approx. 940 x 370 x 350	mm
Weight	42	kg
Power supply		
Voltage	230	V
Nominal current	4	A
Mains frequency	50	Hz
Cross-section of supply cable	2,5	mm^2
Fuse protection in the supply cable	16	A
Use of neutral conductor:	yes	

- Chamfering with a defined angle
- Clamping jaws for different sizes of lifting points
- Easy to use

pewag test bench HPB 210 kN & HPB 420 kN

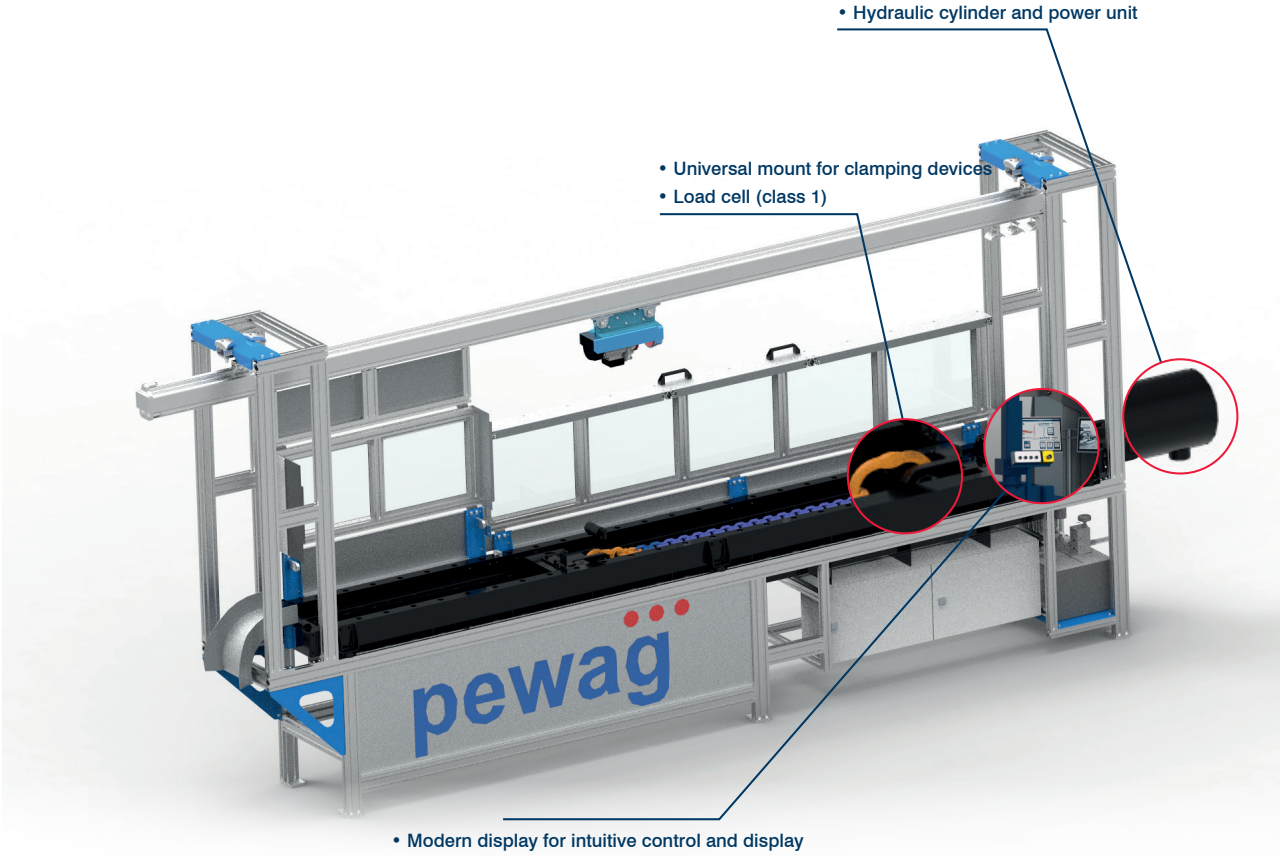


The pewag test bench HPB 210 was specially developed for testing chain slings, hoist chains, and lifting products—but is also suitable for numerous other applications in the field of tensile testing. With its robust construction, modern control system, and precise measurement technology, it meets the highest requirements for safety, ease of use, and versatility.

Thanks to its well-designed basic equipment and a wide range of optional features, the HPB 210 can be adapted precisely to individual testing tasks – even for mobile use in a test trailer.

Performance data and features:

- High-precision load cell (Class 1)
- Modern display for intuitive control and display
- Clear display with graphical evaluation
- Also suitable for many other test tasks
- Mobile version available



Testing machines

pewag test bench
HPB 210 kN & HPB 420 kN

Technical data	Value	Unit
Maximum test force	210	kN
Cylinder stroke / clamping length	300 / 3000	mm
Distance between locking bolts	150	mm
Dimension L x W x H	approx. 6000 x 1600 x 1700	mm
Ergonomic working height	750	mm
Clamping speed	approx. 25	mm/s
Test speed	approx. 7	mm/s
Reverse speed	approx. 20	mm/s
Power	approx. 2 16	kW A
Operating temperature	-10 to +40	°C
Humidity	20-80% (non-condensing)	

Technical data	Value	Unit
Maximum test force	420	kN
Cylinder stroke / clamping length	500 / 4200	mm
Distance between locking bolts	250	mm
Dimension L x W x H	approx. 7300 x 1500 x 2000	mm
Ergonomic working height	approx. 900	mm
Clamping speed	approx. 25	mm/s
Test speed	2-30	mm/s
Reverse speed	approx. 20	mm/s
Power	approx. 5 16	kW A
Operating temperature	-10 to +40	°C
Humidity	20-80% (non-condensing)	

The mobile test bench

To guarantee flexibility, there is also a mobile version that allows you to work wherever you need to.

LMS Calibration Machine 55t

This device is used to calibrate load links from various manufacturers with working load limits ranging from 3.5 tons to 55 tons.

Performance data and features of LMS load links:

- Designed for installation and operation with a working load link of the same capacity
- Standard designs from 3.5 to 155 tons, other capacities available on request
- Accuracy: <0.5% of the applied load
- Safety factor: 5:1
- ATEX versions available for zones 0, 1, and 2
- Each device is load tested and certified
- Subsea variants available on request

With the LMS Calibration Machine 55t, you can calibrate crane scales (load links) quickly, accurately, and independently of brand—without long downtimes or expensive returns. The robust calibration unit is designed for daily use in service and testing and covers a wide range from 3.25 to 55 tons.

Mobile use on site reduces transport costs, minimizes downtime, and generates additional revenue through service and new customer acquisition – the investment typically pays for itself within a year.

Performance data and features:

- Measuring range for load links from 3.25 t to 55 t
- Compact design
- Simple and intuitive operation
- Tool-free replacement of load links using locking pins
- Complete enclosure of the test area
- Safety door
- Easy tool change using locking pins

Short payback period

The investment can be recouped within a short period of time thanks to the following advantages:

- Reduction in costs for fleet recalls
- Additional revenue from calibration services
- Potential increases in sales

LMS Calibration Machine 55t

Your advantages at a glance:

- Fast and precise calibration of tensile force sensors
- Significantly reduced transport and recall costs
- New sources of revenue through calibration services
- Greater customer proximity and stronger brand loyalty
- Compatible with all common brands
- Calibration training available on request
- Mobile version
- Version for tensile tests with PLC control and more extensive evaluation electronics and test function

Included in delivery:

- T24 data logger kit
- T24 wireless base station
- Laptop with data logger software
- 3.25 t toolset
- 17t toolset (for 6.5t – 17t)
- 55t toolset (for 25t – 55t)

Technical data	Value	Unit
Maximum test force	55	t
Accuracy	<= +-0.05% (combined error)	
Compatibility	With all crane scales (load links)	
Cylinder stroke	250	mm
Dimension L x W x H	1700 x 730 x 2200	mm
Weight	1500	kg
Sound level	85	dB(A)
Use of neutral conductor:	yes	
Voltage	400	V
Electric motor with pump and control (hydraulic)		
Double-acting hydraulic cylinder		
Optional: Backup calibration cell to prevent downtime		
Hydraulic specifications		
Motor	1.5 kW, 4-pole, BG90 IE3, 400 V, B5	
Maximum pressure	220/250	bar
Tank volume	30	l

Special designs available on request!

Also available: Calibration Machine 155t

Special-purpose machines

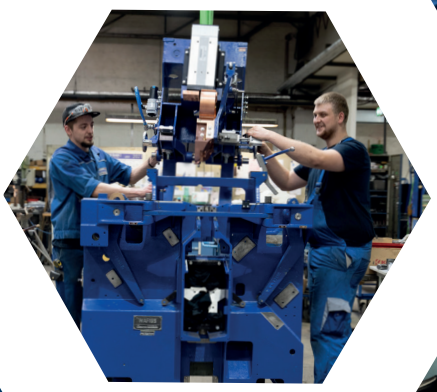
Not only do we offer outstanding services in the field of our high-quality standard products and product development, we also implement modern systems in special machine construction and automation. Our dedicated employees have many years of experience and are characterized by a high level of professional competence. Particularly noteworthy is our ability to plan, build, and successfully commission systems entirely in-house.

For over 35 years, we have been implementing numerous innovative projects and further developing technologies together with our customers and partners. Modern “tools” such as planning and calculation software support us in our daily work. Thanks to our broad network, we can find the right solution for our customers, even for special applications.

If you are looking for a competent and reliable special-purpose machine manufacturer for your project, please contact us directly using the following contact details:

office@pwe.at

+43 (0) 50 501 110
www.pewag-engineering.at



Notes

FO/25/00485

pewag engineering GmbH
A-8605 Kapfenberg, Mariazeller Straße 143, office@pwe.at, **www.pwe.at**

www.pwe.at

EN English