



# Inspiring Lifting Technology

Everything **TRUNINGER** stands for follows one principle: resisting gravity and lifting weights safely, no matter how heavy they are.

**TRUNINGER**  
Inspiring Lifting Technology

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# 100 YEARS WITHOUT A HINT OF FATIGUE.

100 years of TRUNINGER. 100 years in which the world has changed fundamentally: social revolutions, technological progress, globalization, digital upheaval, and, last but not least, the challenges posed by climate change. All this means that we need to change as human beings and as part of the economic system.

However, 100 years of TRUNINGER are also proof that continuity in the face of change is of great value. We demonstrate this day after day – as a reliable expert in lifting with magnetic force and as a family business.

We are proud to be able to celebrate our centenary together with our partners, customers, and employees – in part through this brochure!



We hope you enjoy reading it!

**ROLF & FELIX TRUNINGER**

# OUR HISTORY.

Paul Truninger Sr., a graduate engineer, founds an electromechanical workshop in Solothurn.

**1923**

Construction of the first, ingeniously simple and robust, stretching machine.

**1935**

**1934**

Zedes-brand soldering irons, welding transformers, and voltage regulators for private power generation are produced in the new manufacturing building.

**1945**

Motivated by the shortage of copper, Paul Truninger Sr. develops the first scrap metal magnet with aluminum winding.

**1957**

The sole proprietorship becomes the incorporated company TRUNINGER AG.

**1965**

After his retirement, the sons of Paul Truninger Sr., Kurt and Paul, take over the company; they focus on the product groups of pumps, magnets, and stretching machines.

**1974**

TRUNINGER AG celebrates its 50th anniversary and moves into a brand-new building in Langendorf.

**1976**

TRUNINGER founds the German subsidiary TRUNINGER GmbH in Waldkraiburg, then relocates to Wiehl, near Cologne, a few years later.

**1993**

TRUNINGER launches QX, the fifth generation of internal gear pumps. A hydrostatic gear ring bearing also expands the range of applications of the pumps.

**1995**

TRUNINGER AG introduces a quality management system and is certified in accordance with ISO 9001.

**2000**

In the third generation of company management, Rolf and Felix Truninger take over both the shares and the management of TRUNINGER AG.

**2005**

The introduction of the modular and redundant SmartPick magnetic control system makes achievement of safety category 3 possible.

**2023**

TRUNINGER AG celebrates its 100th anniversary.

**TRUNINGER AG** can look back on 100 years of history. Here are some of the milestones that have turned a small workshop in the canton of Solothurn into the European market leader for magnetic lifting technology with branches all over the world.

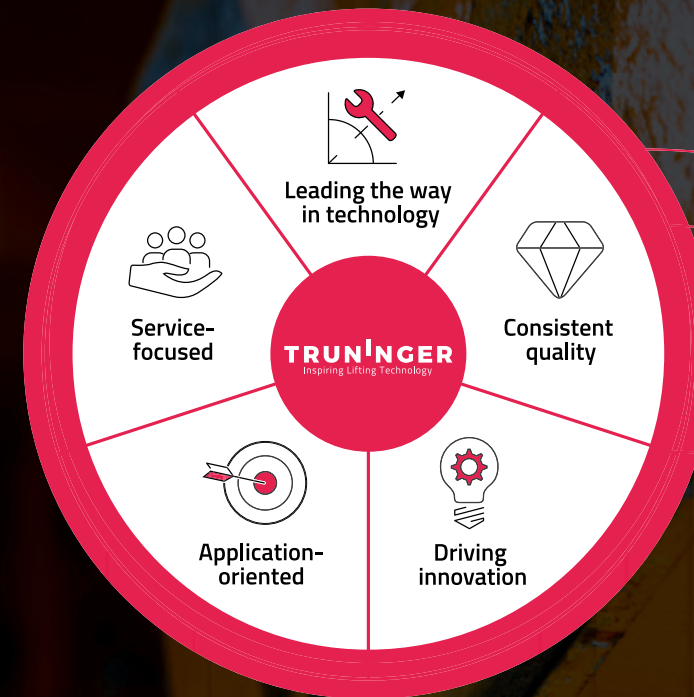


# WHAT DRIVES US.

Everything TRUNINGER stands for follows one principle: lifting heavy weights – quickly, easily, and safely. We knuckle down and lift up!

Our drive system is very simple, but its design is highly complex: in order to make metal parts weighing several metric tons float safely in the air, you need experience, knowledge, and the will to combine the two over and over again.

That will and the attitude behind it are represented by our value compass. It provides orientation and makes transparent what TRUNINGER AG stands for, what expectations we set for ourselves, and what working with us means, specifically: Inspiring Lifting Technology.



#### Leading the way in technology

TRUNINGER defines what is technically possible, and has done for 100 years. And we also set standards when it comes to digitalization.

#### Consistent quality

The quality of our equipment and ideas is second to none. It meets the highest standards of performance, value retention, and functionality, while the redundant architecture of our systems ensures maximum safety.

#### Driving innovation

Innovation is part of our tradition – and our future. TRUNINGER sets the pace of progress in magnetic lifting technology.

#### Application-oriented

Each system is produced in bespoke manufacturing – that is how we guarantee that our requirements and those of our customers are always 100% met.

#### Service-focused

Regardless of whether it is for advice or maintenance – our customers can always rely on our service: available worldwide, direct, and as soon as possible.

## Inspiring Lifting Technology

# FACTS AND FIGURES.

The figures that represent and distinguish our globally active Swiss company are as clear-cut as TRUNINGER is diverse.

SINCE  
**1923**

SWISS  
FAMILY COMPANY

# #1

## MARKET LEADER IN EUROPE

No one surpasses the heights of TRUNINGER when it comes to magnetic lifting technology – we are the number one in Europe for magnetic lifting.

# 45

## EMPLOYEES

Regardless of whether it is in installation, service, sales, R&D, or administration: our employees are the basis of our strength.

# 4

## LOCATIONS

Switzerland, Germany, Japan, and Brazil.

APPROX.

# 90%

## EXPORT SHARE

With an export share of around 90%, solutions “made in Solothurn” set the standard for the handling of heavy goods worldwide.

# 100%

## SELF-FINANCED

In its third generation of family ownership, TRUNINGER remains financially independent.



# MAGNETIC LIFTING TECHNOLOGY.

Magnetic lifting technology is the most efficient solution for lifting heavy loads made of metal. What's more, magnetic lifting systems from TRUNINGER are known for their high standards of performance and outstanding safety standards.

With total redundancy from the control system to the magnet itself, we continuously redefine the possibilities of technological innovation and set standards worldwide.

Our wide range of flexible beams, magnet types, and controllers allows you to build systems that are as individual as you are. The old adage applies here, too: the whole is greater than the sum of its parts!



## #5 Reasons to put your faith in magnetic lifting technology.

- #1 Greater safety: no people in the transshipment area
- #2 Better quality: no print marks or edge dents on delicate material
- #3 Higher storage density: no gaps between material stacks necessary
- #4 Increased productivity: fast, reliable fastening and lifting of loads
- #5 Cost saving: the warehouse can be managed automatically or as a single-person operation

## WHOLE ≥ PARTS.

No matter what you want to move, no matter where: at TRUNINGER, you will find the perfect system for any circumstances.



### SPREADER TYPES

From the simplest form of spreader, the fixed beam, to flexible active and passive telescopic solutions, beam combinations, or tailor-made special solutions: we at TRUNINGER always select the type of spreader that best meets your personal requirements and conditions.

Each system is a one-off and is developed and built according to precise specifications in close dialogue with our customers. Safety and reliability play a key role in this process.



### MAGNET TYPES

Their many different applications make a wide variety of magnet types necessary: magnets with high lifting power, magnets able to safely and reliably handle hot goods in steel production, magnets to hoist scrap metal, and many more.

For many years, TRUNINGER has been developing a wide range of magnets for every feasible application. Our high-performance, safe magnets are used all over the world on a daily basis, and with each lift and their impressive durability, they demonstrate why our products from the Swiss canton of Solothurn are the global benchmark when it comes to magnetic lifting.



# THE VARIED WORLD OF MAGNETIC LIFTING.













# CONTROLLER TECHNOLOGY.

Technology has always been our passion. That's why we explore the limits of what is possible and continuously set new standards. That applies to the electronic **control components** of our magnetic lifting systems, too.

All the components in our control systems are the result of decades of experience and development work. The in-depth engineering expertise that goes into the modules brings a variety of benefits for our customers: they receive sophisticated products, tailored to their individual application on the one hand, and proven in use in many thousands of magnet systems on the other.

Installed directly on the crane, the TRUNINGER controller technology makes simple and convenient operation, high handling speeds, and material-friendly processes with the highest levels of quality and stability possible.



## ■ We set standards

Magnetic lifting technology is the efficient solution for lifting loads. TRUNINGER magnetic lifting systems stand out thanks to their incredible performance and exceptional safety standards: with total redundancy from the control system to the magnet itself, we continuously redefine the possibilities of technological innovation and set standards worldwide.

## ■ The scope of application of our controller components

- Electrical controller components suitable for all lifting magnet applications
- Advice on and development of customer-specific solutions
- Design, production, installation, and commissioning
- All electrical components available directly from stock
- Training, maintenance, and repairs from a single source

# PERFECTION DOWN TO THE LAST DETAIL.

TRUNINGER magnetic lifting systems combine a multitude of trendsetting components into equipment that brings utility to technological innovation.



## MAGNET CONTROL SYSTEM

### SmartPick™

SmartPick™ is the latest generation of magnet control systems from TRUNINGER.

What makes this in-house development stand out is its high degree of flexibility: all the modules can be ordered separately and magnet groups can be added or removed as required thanks to their specific areas of application.

The redundant design of safety-relevant sub-systems means SmartPick™ is also the most secure power supply in the world for magnet systems. It is the only magnet control system to offer integrated power electronics, magnetic circuitry, measurement technology, and DC power supply in a single circuit board – making it extremely compact and ensuring optimal safety.



## DISPLAY MODULE

### InfoPick™

With the InfoPick™ display module, TRUNINGER makes state-of-the-art display technology available for magnetic lifting systems.

InfoPick™ provides much more information than traditional colored-lamp displays, which are still widely used. This means the magnet system operator is in continuous interaction with the system.

InfoPick™ provides crane drivers and staff on the ground with its exact operational status. This makes operating the system easier, especially when using wireless remote control.



# OUR SYSTEMS ARE AT HOME **EVERYWHERE.**

Whether in steel mills, the automotive industry, logistics, goods handling centers, ports, or railroad stations: TRUNINGER magnetic lifting systems are the go-to choice for handling heavy loads.

## Leading with experience


We are 100 years old – but combined, our experts provide many centuries of experience and expertise. Their shared knowledge and desire to take the next innovative step at any time make TRUNINGER the leading specialist for magnetic lifting systems.

## Built-in safety

TRUNINGER also embodies pioneering Swiss quality when it comes to design: we use FE simulation to optimize all performance parameters and thus ensure additional lifting capacity and the highest levels of functional safety. All our technology is manufactured in-house, meaning we know each of our products inside out.


 **BEAMS AND PROFILES**

 **SHEET COILS**

 **SCRAP METAL**

 **ROUND BARS**

 **MERCHANT BARS**

 **REBARS**

 **SHEETS**

 **TUBES**

 **PLATES**

 **BILLETS, SLABS, AND BEAM BLANKS**

**AREAS OF APPLICATION.**

Here are some of the benefits of our magnetic lifting technology:

- Very fast material handling
- Higher material stack heights without restriction, e.g. to the height of the stacker
- Higher storage density, no aisles between material stacks
- Simplified storage as no need for intermediate layers, e.g. wood
- Materials are kept safe even without protection such as protective plates, edge protection, or packaging
- An attractive workplace in the cab rather than hard labor in the hall
- High productivity thanks to single-person operation and automation
- The highest standards of safety with a redundant design of the whole system, from the controller to the cable routes and the magnets themselves
- Large length range for loads thanks to flexible telescopes and individual group switching
- Customized system design and exchangeable beams make a broad spectrum of load types possible
- Sturdy and low-maintenance components, whether electrical or mechanical
- All in Swiss-made quality from a single source





## OPTIMAL LIFE CYCLE COSTS.

At the end of the day, what really counts is not the purchase price, but the costs.

Durable, reliable products effectively reduce the total cost of ownership (TCO) and make the decisive difference.

What's more, like the service we provide, every system is completely individual. That also includes taking into account local legislation, as well as operating

and maintenance personnel with the various appropriate qualifications.


In order to provide our customers with the best possible support at all times, regardless of the circumstances, we ensure optimal integration of the system and its service into work processes.

That is how we guarantee the highest levels of safety and availability and maximize the service life of your systems.




### MODULAR SERVICE:

**INSTALLATION**




As TRUNINGER magnetic systems are always integral components of a holistic system, we ensure optimized work processes with our installation services.

**MAINTENANCE**




Appropriate maintenance ensures maximum availability and an optimized life span for our systems. Our maintenance specialists make sure your systems never age – no matter how old they are.

**REPAIRS**




This is strictly a worst-case scenario, because when properly operated and maintained as recommended, our magnet systems will ordinarily not break down.

**COMMISSIONING**



TRUNINGER technicians guarantee the safe, proper functioning of our systems. They ensure successful commissioning with comprehensive services.

**TRAINING**



Operating and maintaining our systems requires knowledge. We impart that and other skills on-site as part of our modular training program.



Further information  
about our services



# OUR EMPLOYEES.

People have shaped TRUNINGER for the last 100 years: into a family-run company characterized by friendly cohesion and individuals who complement each other.



**26** Portrait: Urs Affolter

**28** Portrait: Andreas Eul

**30** Portrait: Yvonne Berger

**32** Portrait: Rolf Meister

**34** Portrait: Willi Grondke

PORTRAIT

By way of example, we would like to introduce five employees in the form of brief portraits on the following pages. Get to know the people at TRUNINGER and find out what makes them tick ... at work and at home!



# THE CAD VETERAN.

Urs Affolter got his career underway at TRUNINGER AG. As a design engineer, he has experienced several generations of people and machines.

Urs Affolter is a trained mechanical draftsman. That was the name of the profession when he began his four-year apprenticeship at TRUNINGER back in 1976. And after cadet school, he went back to the drawing board in Langendorf – where he has remained to this day, even after graduating design school. “Everything is just right: the people, my tasks, the location,” says the now 63-year-old. He simply enjoys the interaction with others and the friendliness of the five-person team in the technical office, he says. Even today, he gets a kick out of developing new ideas.

### Always something new

What this Swiss national finds really captivating about his work as a design engineer in mechanical engineering is the constant change. Over almost five decades, the technology has undergone quantum leaps – and he has accompanied them all: first with ink and pencil on the drawing board, later on the 2D and 3D CAD computer. Together with his colleagues, he develops systems that are designed to last for decades: “We still receive requests for lifting equipment from the sixties. That says a lot about the quality of TRUNINGER magnetic



### Orienteering

Finding my destination with nothing but a map, a compass, and my wits appeals to me.



### Down-to-earth and curious

A prudent man, curiosity is also a characteristic that comes to the fore in his private life: he uses a map, a compass, and his wits to find his destination against all odds when orienteering. He prefers to follow the tracks in the forests near his home, but the far north also appeals to him. And until he takes a trip to Sweden as part of his well-deserved retirement, he has resolved to make the most of every day. After all, even the big goals start with small steps ...

lifting systems,” Affolter emphasizes. He finds the drawings for the required spare parts in the well-organized archive. They also form the basis for adaptations and further developments of existing systems that he designs. That is his favorite part of the job: “The appeal of always finding something new is what makes my job so interesting. Even after all these years, I’m still curious,” he laughs. “And of course, seeing the end product of my vision in the workshop brings me a great sense of pride.”

### Urs Affolter

His curiosity has been making TRUNINGER systems better and better for almost 50 years.



## MY HOME IS ON THE ROAD.

As a globetrotter when it comes to lifting systems, Andreas Eul has traveled far and wide around the world, and now feels like he has arrived.



**Andreas Eul**

For him, the world is like a magnet attracting him to its vast expanse, professionally and privately.

Germany, Austria, the Benelux countries: that is the workspace of service technician Andreas Eul. But he has also traveled as far as Canada, Brazil, South Africa, and China, to name but a few countries, on behalf of the TRUNINGER Service department – and he

wouldn't have it any other way. "With my job in field service, I'm where I want to be, which is to say everywhere," explains the globetrotting Cologne native, happily. He needs to get out and about, meet new people, face the challenge of not knowing what to



**Travel**

When I travel, I can pursue my hobby of photography.

expect. He is equally adventurous in his private life, having traveled around the Australian continent for seven weeks with just his camera, for example. "Traveling is my hobby," explains the amateur photographer. On weekends, he travels to neighboring countries to explore the cities there, "and expand my photo portfolio."

### The world of service

Andreas Eul has been taking care of the equipment and inquiries of his customers since 1999. "Even during my apprenticeship as a technical draftsman, I was involved in practical work," says Eul. "I simply can't just sit in the office." These days, he schedules his jobs on a weekly

basis, loads his service vehicle, and organizes his customer visits independently. That is one of the things he appreciates about TRUNINGER. "We all have each other's backs, and even the two managing directors are there for us employees," he says. When troubleshooting, he finds solutions "without blindly replacing parts." That is what appeals to him about being a service technician: "It's like solving a puzzle; a great job that challenges the mind!" He also commissions new equipment and installs complete systems which leaves him "not enough time to get bored."





**Yvonne Berger**

Both reliable and creative: Yvonne Berger ensures that TRUNINGER systems arrive safely around the globe.

## ACCUSTOMED TO BORDERS, NOT BOREDOM.

When it comes to shipping TRUNINGER systems worldwide, Yvonne Berger brings together years of experience, expertise, and creative problem solving.

Yvonne Berger proves day after day that she is very much familiar with the processes involved in the import and export of goods: customers all over the world appreciate the obliging manner of the friendly woman who ensures that individual magnetic lifting systems arrive safely and on time.

As a former customs agent, she knows the relevant regulations – and the corresponding problems – inside out: “A day when goods are picked up on time, pass smoothly through customs, and reach the customer in good time is a successful day for me,” admits the native German.

She moved to Switzerland for love and has been married to a Swiss man for more than 20 years. The pair share a passion for motor-boating: “Ideally, I would love to take a boat out on the open sea, but the Aare and the Three-Lakes region come pretty close,” says the 48-year-old, pleased with where life has brought her.

### Anything but standard

The fact that her job requires not only experience, but also a good deal of creativity, makes it all the more interesting: “There is no such thing as a standard shipment,” says the transport expert. “Each cargo requires its own solution. Just like our systems – they are also designed individually.” Since June 2020, Ms. Berger has been responsible for transport planning and export at the TRUNINGER headquarters in Langendorf – and has not once regretted the move to TRUNINGER. “Boredom is never

an issue,” she says happily. She is responsible for pre-transport planning, prepares customs and freight documents, interacts with freight forwarders, customs, and chambers of commerce, and coordinates internal appointments, among many other tasks. The short communication channels and personal interaction at TRUNINGER ensure optimized processes and a special working atmosphere, she says. “But I also find the topic of magnetic lifting technology in general very exciting,” she adds. “It’s amazing to see 30-ton coils float through the huge halls as if by magic.”

And while in her job she uses precise planning to leave nothing to chance, the idea of spinning the glittering wheel of fortune in her private life appeals to her – she is looking forward to a trip to the gambling metropolis of Las Vegas.



### Las Vegas

I'm excited to spin the wheel of fortune myself in Las Vegas.





## HEADWINDS SPUR ME ON.

Rolf Meister enjoys satisfying customers with TRUNINGER solutions even in the face of adversity – and has done for a quarter of a century.

“I can’t sell from a catalog,” says Rolf Meister, who has been working as a sales and product manager in the tranquil Swiss town of Langendorf since as long ago as 1998. He had previously worked near Bern in the field of conveyor technology, which is all about customer-specific solutions. He appreciates that customer proximity and variety above all else: “There is no such thing as a typical day for me. That

is because in sales I accompany the entire life cycle of our systems, from the initial inquiry to detailed drafting, installation, and after-sales care.” In this context, developing a magnetic system is just the start of a cooperation that continues for decades – because TRUNINGER products are not consumables, but rather technical systems that are maintained, supplemented, and modernized on an ongoing basis.



**Rolf Meister**

As a sales and product manager, he ensures customers are satisfied – at all times.



### Restoration

Whether it is at work or with my cars: if there are technical problems, I drop everything else.

### Moving to Solothurn for love

Meister moved from Bern to the canton of Solothurn for love back in the day and has not only found a home there with his wife, children, and cat, but also the TRUNINGER family: “The camaraderie is really quite special. We work interdepartmentally, help each other, and create very high-quality systems together – that creates bonds.” For him, the safety of the systems is the decisive factor – from the planning stage on, it is all about safely lifting and transporting all the materials the customer requires.

### If you can dream it, you can do it.

Meister takes on challenges with his mantra for life, “If you can dream it, you can do it.” It motivates him to come up with creative ideas that also bring him joy in his private life: he restores old military vehicles. He gains just as much enjoyment from the admiring glances he receives while out and about in them as he does from searching for technical solutions for the classic cars. “It’s like at work: if there are technical problems, I drop everything. I enjoy using minimal resources to ensure our customers can get back to working quickly and efficiently.”





## TURNING THE EXTRA MILE INTO A SHORTCUT.

Willi Grondke is passionate about magnetic lifting systems and his customers – even if they rarely need him after installation.

While his systems lift things up, Willi Grondke always keeps his feet on the ground: as managing director of TRUNINGER GmbH, headquartered in Wiehl in Germany, he has customer contact from the initial inquiry to installation of the magnetic lifting system. “We embody a Swiss mentality that you can feel in the equipment,” says the man in his mid-fifties with a mixture of pride and humility. “Whatever we do, we do it right – that’s our code of honor!” That others offer cheaper solutions is irrelevant: “Our systems are like an old Mercedes. Because we’re willing to go the extra mile right from the start, our solutions work forever. That’s why, at the end of the day, they’re actually more economical than the competition!”

There is no reason to doubt that the smiling Grondke knows exactly what he is talking about: he has been working with steel for decades and is familiar with all the processes, from fabrication to logistics. With his obliging manner, he has been opening doors that benefit his employer and his customers equally since early 2021.

### Nowhere comes closer to Switzerland

In his work, he can draw on the know-how of employees in Germany just as easily as those in Switzerland. “All the gears just mesh together perfectly – and our customers notice that in every interaction. Switzerland and Wiehl may be distant from each other geographically, but their connection is certainly magnetic!”

### Willi Grondke

Keeps his feet on the ground to ensure that heavy loads do the opposite.

What makes the systems so unique is the care that goes into the individual solutions, says the passionate golfer: “The Truninger family are not just shareholders, but very much part of the company, putting their heart and soul, as well as great experience, into the day-to-day business. Our customers feel that they are in good hands – from the first phone call to the carefully thought-out system, which runs smoothly for decades,” he emphasizes. His mentality makes Grondke a perfect example of TRUNINGER magnetic lifting technology:

quality and reliability are his top priorities. That applies equally to his work and the systems for which he is responsible. He puts his all into finding solutions, no matter the time of day. “I know that sometimes I should take a step back, but for me magnetic lifting technology is the best invention of all time – what more could I want?” he asks, tongue in cheek. When he does take time out, the father of two adult sons and his wife lace up their hiking boots and go the extra mile in the nearby Westerwald mountain range ...



### The extra mile

I like to lace up my hiking boots and head into the nearby Westerwald mountains.





# TRUNINGER

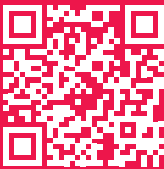
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