

# 180 YEARS KERN & SOHN

A success story in eight generations

**180** YEARS  
since 1844  
**KERN & SOHN**



Eight generations –  
what a passion!

Albert Sauter  
\*1975

Martin Sauter  
\*1938

Paul Sauter \*1899 - † 1944  
Walter Sauter \*1908 - † 1944  
Else Sauter \*1902 - † 1965

Gustav Sauter  
\*1870 - † 1954

Albert Sauter  
\*1846 - † 1913

Gottlieb Kern \*1819 - † 1886

Auguste Sauter

Jakob Sauter III  
\*1808 - † 1844

Matthäus Sauter  
\*1818 - † 1846

Simon Sauter  
\*1784 - † 1831

Jakob Sauter I  
\*1743 - † 1805



Albert Sauter  
Managing Director

We have lots of reasons to celebrate this year!

## More than 250 years of balance manufacture in the Sauter family, 180 years of Kern & Sohn

It is very rare to find a company with a comparable long tradition. The virtues such as competence and handcrafted quality, but also time and again blows of fate, which create an exciting script over the decades. And it was the same for us. The fate of our company hung by a thread on more than one occasion. Several times, an untimely death in the **Sauter** family shook the succession of the company.

For one generation, the namesake of our company – **Gottlieb Kern** even stepped in. This is how the KERN brand was created in 1844, and his successor Councillor of Commerce Albert Sauter was either not able to or did not want to change it.

In spite of all the highs and lows, balance manufacturing has maintained a stable course – over 250 years.

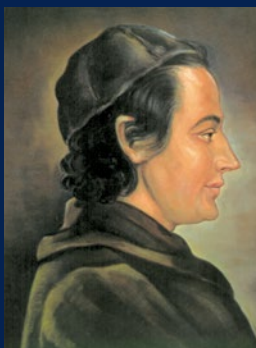
Throughout the world we could only find one other family, which, like us, had been continuously involved with balance manufacture for such a long time.

Even worldwide we could not find any workshops or companies who, like us, have been manufacturing precision balances continuously for 250 years.

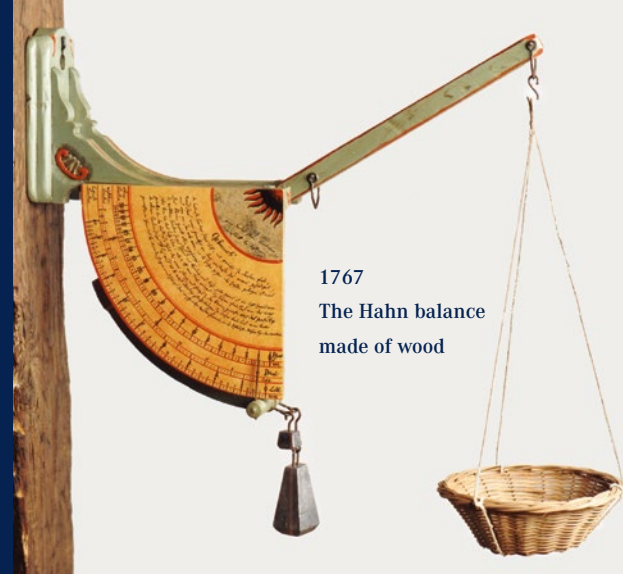
**This is why we are the oldest manufacturer of precision balances in Germany – if not in the whole world.**



*Martin Sauter*  
Martin Sauter  
Senior Director



Philipp Matthäus Hahn,  
Pastor and Engineer from  
Württemberg,  
\*1739 - † 1790.  
Builder of astronomic clocks,  
calculating machines and  
balances. He was the pioneer  
for the future balance indus-  
try in our region.



1767  
The Hahn balance  
made of wood

Already quite strange – the history of the foundation of the company started with a young village pastor ... Martin Sauter tells:

**“What are you doing there – technical wizardry has no place in a rectory!”**

Cautionary words 250 years ago from the church authorities to the Swabian Pastor Philipp Matthäus Hahn in the remote Swabian mountain village of Onstmettingen (Albstadt-Onstmettingen today). Because he was in the process of building an astro-  
nomic clock, which was the most intricate and beautiful in all of Württemberg. Amazingly enough, it was the village blacksmith, my five times great grandfather, **Jakob Sauter I** who helped him.

**It was through this that the pastor invented something else:**

An "automatic balance" for tradesmen. The weight can be read directly from the pointer, a complete innovation. The first products were made completely of wood, but their load capacity of up to 20 pounds was somewhat modest. The balance

needed to be made of iron, then you would be able to weigh 100 pounds and more. Now it's the turn of our village blacksmith and Hahn employee - **Jakob Sauter I. 1769** and it arrived, the Hahn balance made of iron, which you could use to weigh up to 200 pounds. A foundation stone for weighing – the inclination scale – was born. It had a long life. You will know it as the dial scale in the corner shop.

**From that point balance manufacture has never left our Sauter family. The sons followed the fathers.**

**A few years later:** In the meantime Pastor Philipp Matthäus Hahn became famous from both a theological as well as a technical point of view. One day the call of a scholar caught his attention: *“Why not*

General hydrostatic balance  
from 1774



*turn your attention to work out how we can determine the quality of the wine right at the time of the harvest.”* In the small area of Württemberg not only did they work hard at drinking the wine, they also worked hard



With his precise balance, Hahn measured the specific weight of the unfermented wine must

to sell it as an export. Even in those days it was a quality issue. After a long search, in **1774** he found the solution in a small, extremely precise beam balance with a sensitivity of a 50th part of pin, i.e. almost a thousandth of a gramme. This level of accuracy

had never been seen in Southern Germany before! This marvel in precision sank in the turmoil of the Napoleonic wars and was almost forgotten. But the main concept never completely disappeared, our masterpiece gradually found a new lease of life as a pharmaceutical and chemical balance.

Someone who understood this very early on was my three times great grandfather **Simon Sauter**, son of the village blacksmith we already know, **Jakob I.** From **1820** the moment arrived when Simon was finding an emerging customer base for his “fine weighing beams”, today we call them precision balances.

# 1769

*Jakob Sauter*

**Jakob Sauter I**

\*1743 - † 1805

**First generation**

**A clever village blacksmith became  
a balance manufacturer**

You already know our ancestor **Jakob Sauter I** from the previous story of the founding of the company. He was a competent blacksmith and forged automatic balances for his pastor, graded the scale and adjusted to the correct weight.

Every balance was a one-off and adapted to suit the customers' requirements. He was the first balance manufacturer in the Sauter family.

Wooden lathe  
from around  
1770



Everything under one roof: Living – Workshop – Agriculture



1769  
Hahn's iron balance by  
Jakob Sauter I



1768  
Home clock manufactured  
by Jakob Sauter I

## His sons became top engineers

At the same time, **Jakob Sauter I** became a clock maker and precision engineer and trained three sons to become excellent engineers. With the Napoleonic wars Württemberg became noticeably impoverished and **his sons Jakob Sauter II**

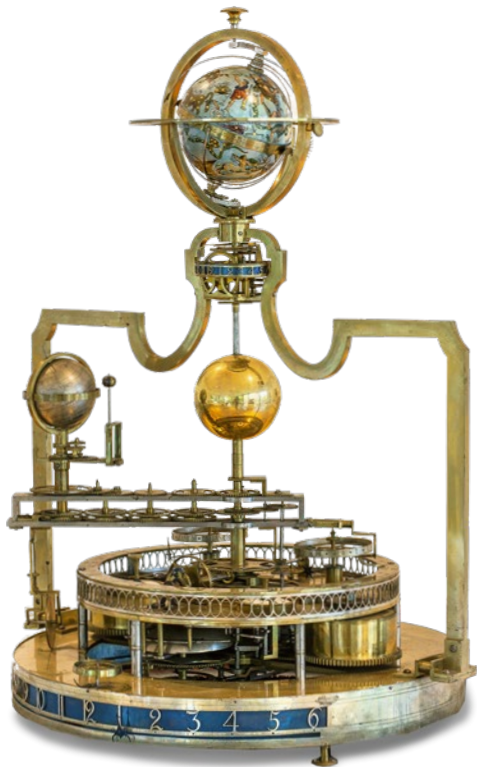
and **Johannes Sauter** were forced to emigrate. Their outstanding achievements in fine mechanics were made in Sweden and France. An enormous amount of know-how was lost to the hometown.

Just one son, **Simon Sauter**, remained faithful to his hometown of Onstmettingen.



Around the year 1810

Chemical balance, built by son Jakob Sauter II, Stockholm – for the Swedish chemist, Berzelius



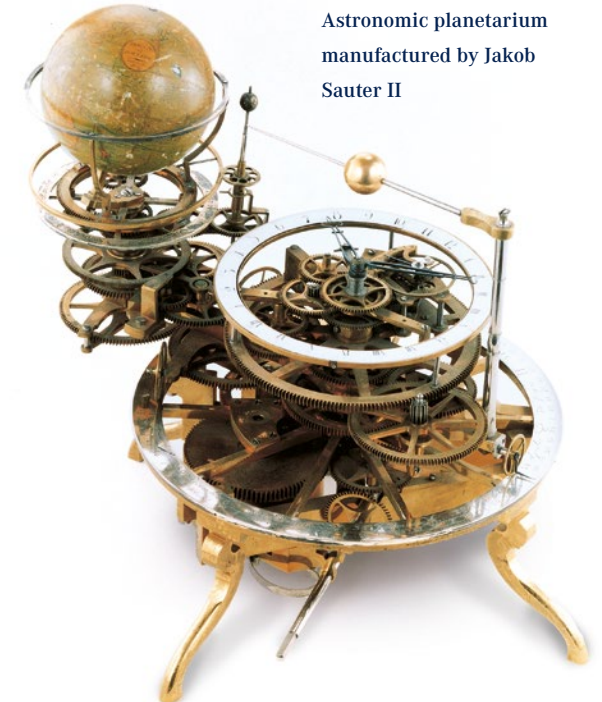
1808

A technically-gifted family: Astronomic globe clock, manufactured by Johannes Sauter, Strasbourg



Around the year 1800

Calculating machines manufactured by Johann Jakob Sauter II, Stockholm



Around the year 1810  
Astronomic planetarium  
manufactured by Jakob  
Sauter II

# 1820

*Simon Sauter*

Simon Sauter

\*1784 - †1831

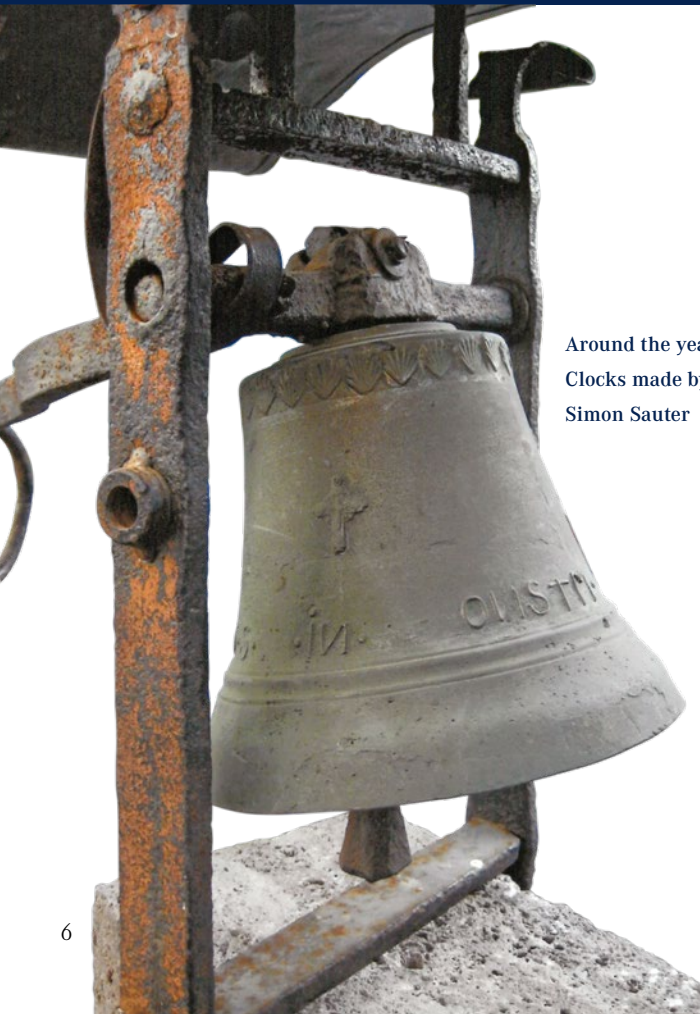
Second generation

The daredevil – the man with the “fine weighing beams”.

After 1812 the dreadful Napoleonic time slowly drew to a close, trade and commerce recovered in small steps. **Simon Sauter** took over the workshop of his father, Jakob I and became the standard bearer of a new business. First he built an elaborate clock

as a masterpiece, which proved his skill as a perfect clock maker and mechanical specialist. Around the year 1820 he was ready and offered “fine weighing beams” through wholesalers and trading companies.

1820  
Lathe of a precision  
engineer



Around the year 1825  
Clocks made by  
Simon Sauter



1820  
Table clock with many  
functions: Date display,  
ringing of bells for going to  
church and devout hymns  
sounding from a musical  
cylinder.

Simon Sauter's  
home in  
Onstmettingen



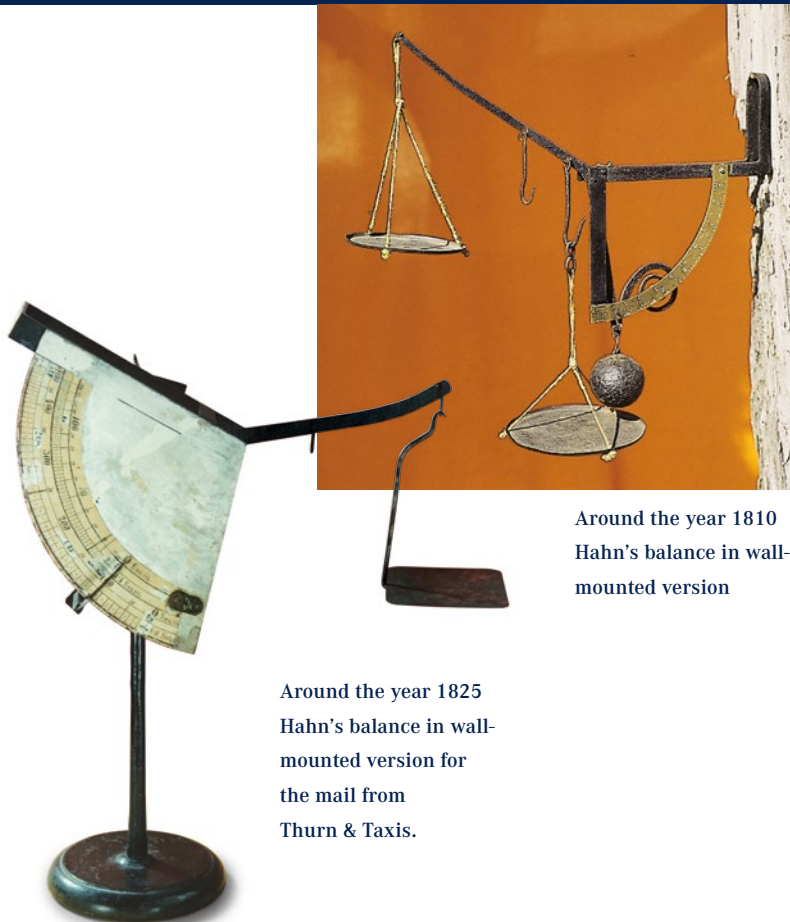
The super accurate balance from Pastor Hahn from 1774 is recreated. The times were good, which meant that he was soon able to dedicate himself, with his three sons, to balance manufacture, or more precisely, precision balance manufacture.

The remote village of Onstmettingen became the nucleus of a specialty that was unimaginable at the time. It is almost a miracle, that in this mountain village, located far away from universities and long before the industrial need, such precise balances were made.



Simon Sauter's hymnbook with dedication from 1814:

*"If you buy iron and wire and do not forge with it, then you are not a blacksmith; if you have a book and don't read from it, - and don't follow what you have read, then the result will be p - ? (punishment) Read, pray and follow"*



Around the year 1810  
Hahn's balance in wall-mounted version

Around the year 1825  
Hahn's balance in wall-mounted version for the mail from Thurn & Taxis.



Around the year 1830  
Precision balance. This design principle remains current for over 200 years

1825  
Pharmaceutical balance stands with hand-held scale for the manufacture of medicines



# 1831

*Sauter, Matthäus, 1831*

Jakob Sauter III

\*1808 - † 1844

Third generation

Matthäus Sauter

\*1818 - † 1846

*M. Sauter*

In spite of a good order situation, there were hard times within the company

The precision balance business thrived, two sons of Simon, **Jakob III** and **Matthäus** took over the business. Tragedy of fate: both died one after the other, neither having reached the age of forty.

The business had no leader, passing it on within the Sauter family seemed to be impossible, at first. There was a risk of having to shut down. The fate of the workshop hung by a thread.



Around the year 1840, workshop equipment in the balance museum, Balingen



Tare balance for pharmacists, exhibited by Johann Jakob Sauter III at the Art and Industry exhibition in Stuttgart in 1842

**PREIS-LISTE**  
von  
**MECHANISCHEN GEGENSTÄNDEN,**  
welche bei  
**M. SAUTER IN ONSTMETTINGEN**  
verfertigt werden.

Wagen auf Stahl oder Castrol laufend, von Messing genau und fein gearbeitet, ganz fertig und zum pulven sehr bequem eingerichtet.  
Länge der Balken, französischer Massstab

Zoll	Stück	Preis	Stück	Preis
24	1	15	10	30
20	1	12	10	24
16	1	10	10	20
12	1	8	10	16
10	1	6	10	12
8	1	4	10	8
6	1	3	10	6
4	1	2	10	4
3	1	1	10	3
2	1	1	10	2
1	1	1	10	1

Auf Verlangen werden zu den Balken auch messelne Schalen mit Kette zu billigen Preisen geliefert.

**Tarrierwagen**  
welche 1 Gran genau abgeben mit messingenen Schalen und Sattel, ganz fertig und zum pulven sehr bequem eingerichtet.

**Hand- und Granwagen**  
mit ganz feinen Hornschalen.

Nr. 1. Balkenlänge 10 Zoll

Nr.	Preis	Nr.	Preis
1	15	10	30
2	12	11	24
3	10	12	20
4	8	13	16
5	6	14	12
6	4	15	8
7	3	16	6
8	2	17	4
9	1	18	3

Granwagen mit Hornschalen

Nr.	Preis	Nr.	Preis
1	15	10	30
2	12	11	24
3	10	12	20
4	8	13	16
5	6	14	12
6	4	15	8
7	3	16	6
8	2	17	4
9	1	18	3

Granwagen mit messingenen Schalen

Nr.	Preis	Nr.	Preis
1	15	10	30
2	12	11	24
3	10	12	20
4	8	13	16
5	6	14	12
6	4	15	8
7	3	16	6
8	2	17	4
9	1	18	3

dergl. mit Sattel

**Hydrostatische Wagen**  
große Gattung mit justirtem Glas und allen erforderlichen Gewichten, Thermometer etc. alles in einem schön polirten Kasten in Schmelz eingeleigt.

**Weinwagen**  
für alte und neue Weine ohne Gewicht aufzuliegen von Messing schön gearbeitet.

**Hahn'sche Wagen**  
auf welchen von 1 Loth bis 40 Pfund gewogen werden kann.

**Medicin-Gewichte**  
Stück, von 2 bis 12 Unzen in Holz eingeleigt.

**Säulenwagen**  
der Balken ruht auf einer oder mehreren messingenen Säulen oder auf einer von messingenen Säulen, mit schönem messingenen Schalen und Sattel, sehr bequem eingerichtet.

**dergl. Pariser Tarrierwagen**  
auf einer messingenen Säule oder messingenen Säulen, mit schönem messingenen Schalen und Sattel, sehr bequem eingerichtet.

**dergl. Pariser Säulenwagen**  
auf einer messingenen Säule oder messingenen Säulen, mit schönem messingenen Schalen und Sattel, sehr bequem eingerichtet.

**dergl. Pariser Tarrierwagen**  
auf einer messingenen Säule oder messingenen Säulen, mit schönem messingenen Schalen und Sattel, sehr bequem eingerichtet.

**dergl. Pariser Säulenwagen**  
auf einer messingenen Säule oder messingenen Säulen, mit schönem messingenen Schalen und Sattel, sehr bequem eingerichtet.

Die Preise pr. Comptant im 24 R. Fuss.



Around the year 1840, first workshop of Jakob III and Matthäus Sauter

Auguste Sauter, the widow of the deceased Matthäus Sauter, mechanical specialist, asked the town council of Onstmettingen for permission to end the period of mourning early, so that she could get engaged to Gottlieb Kern. Excerpt from the town council minutes of 15 July 1846.

*Die Frau Sauter, die Wittwe des verstorbenen Matthäus Sauter, mechanischer Meister, bat den Rath um Erlaubnis, die Trauerzeit zu beenden, da sie sich mit Herrn Kern verlobt hat. Der Rath hat die Erlaubnis erteilt.*

"Many orders were placed shortly before the death of your husband and from his bed he gave the necessary instructions to his assistants for the work to be finished, and this is how it has happened that some of the work is finished and some of it is started"



Precision balance around the year 1840, in glass housing with milligramme sensitivity

# 1844

*Gottl. Kern, Mannheim*

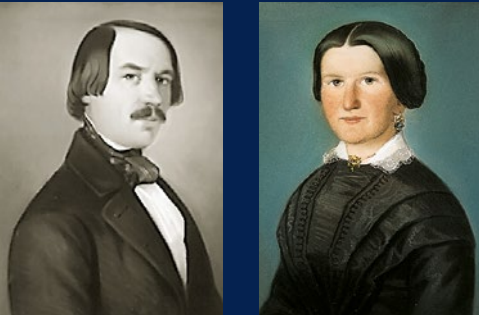
**Gottlieb Kern**

\*1819 - † 1886

The brand KERN stems from Gottlieb Kern

Now it was the time for **Gottlieb Kern**. He came into the Sauter workshop as a newcomer and married the widow of Matthäus Sauter and became an attentive stepfather to Albert Sauter, the newborn son. The workshops grew, in 1863 with

9 employees, **Gottlieb Kern** was already a large company in Württemberg from a tax point of view. Serial production of precision balances began. The **GOTTLIEB KERN & SOHN** brand name was known at home and abroad.



Gottlieb Kern with wife Auguste, previously Sauter

1863

Gottlieb Kern (sitting at the front) with his engineers



1851

Gottlieb Kern created the first German letter scale, at the same time as the first stamp appeared in the Kingdom of Württemberg. The principle of the dial scale from Pastor Hahn was unmistakable.



Around the year 1860, Analytical balance for delicate weighing procedures

1847

Balance on the Béringer principle, so-called English balance, first commercial product from Gottlieb Kern



Invoice from  
26 June 1874

# 1870

*Albert Sauter*

Albert Sauter

\*1846 - † 1913

Fourth generation

## From the workshop to the factory

**Albert Sauter** entered the business in 1870. He got on well with his stepfather, Gottlieb Kern. The company name was changed to Gottl. Kern & Sohn (actually stepson). He brought in mechanisation wherever he could. The investment

required for new machines was high, it makes Gottlieb Kern proclaim: "Albert - we'll end up going to auction". But this didn't happen, KERN, with 22 employees, became one of the largest precision balance manufacturers in Germany.

1890, Albert Sauter,  
Councillor of Commerce



New business premises and home, 1885/86 in walking distance of the Ebingen railway station. The production building extends to the rear



1904, Councillor of Commerce, Albert Sauter (third from the right) was elected to the committee of the Chamber of Commerce with the largest number of votes



1880  
Pharmaceutical tare balance  
with Aesculapius scale



1874  
First balance  
catalogue

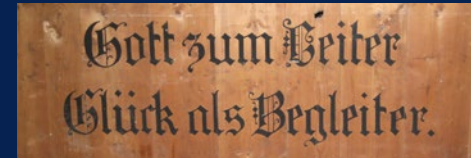
The wild year of 1871. The old Württemberg weight units such as the Lot and pound became obsolete. The modern metric units with gramme and kilogramme gained legal status. Orders flooded in. Gottlieb Kern and Albert Sauter are hardly able to cope with the flood of orders, they can initially handle only half of all orders.

with wife Julie Sauter,  
née Landenberger



1885, it was now time for the move from Onstmettingen to the new premises in neighbouring Ebingen, Albstadt-Ebingen today, as there was a new railway there. After the death of Gottlieb Kern, Albert Sauter then was the sole owner, as there were no

successors in the Kern line. Albert Sauter was not only a business man, but also one of the most active citizens in the town of Ebingen. In 1902 he was awarded the title of Councillor of Commerce by the Württemberg King.



Inscription on the wall  
in Albert Sauter's garage  
*"God as the leader,  
luck as a companion."*



Around the year 1900, a gas engine ran the individual machines in the production hall through a transmission on the ceiling by means of leather straps



1910  
Opel type 6/14  
(14 = 14 PS)  
First car in the Sauter family.  
First driver: Amazingly,  
Frida Jung née Sauter,  
the daughter of Albert  
Sauter



# 1902

Gustav Sauter

\*1870 - † 1954

Fifth generation

*Gustav Sauter*

## Trying times were on the horizon

German industrialisation gained tremendous momentum, balance manufacturers sprang up all over the place. Everyone was undercutting everyone else so terribly that even the customers urged the manufacturers to take more care with quality. In desperation

the Reutlingen Chamber of Commerce wrote in 1902: *"There is nothing else we can do other than hope that an angel comes down from heaven to help."* Macabre enough, it wasn't an angel that came to help, but the First World War.

1896, Gustav Sauter  
with wife Helene,  
née Keller



1888

Gustav Sauter, member  
of one of the first cycling  
associations, "Germania"  
in Stuttgart



1921, Family of Gustav Sauter



1904, entrepreneurial family of Gustav Sauter with staff

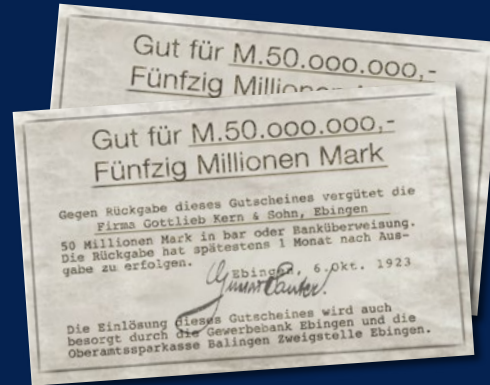


1895

Helene Sauter with  
sister-in-law Frida Jung,  
née Sauter

The military discovered the balance industry and ordered hospital scales, powder balances, and eventually rifle and detonator parts.

**Gustav Sauter** survived the turmoil of the First World War and the troubled times of



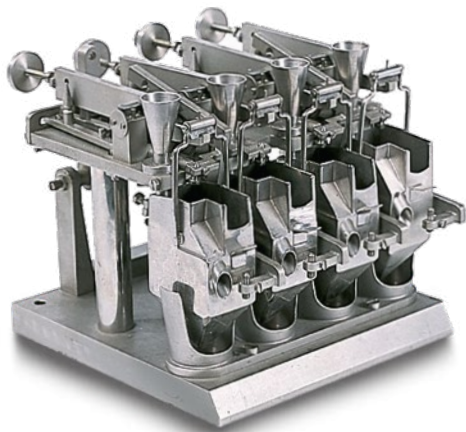
1923, printing their own banknotes helped get over the worst times during the period of inflation

inflation which followed. To pay the wages he printed the money on packing paper himself.

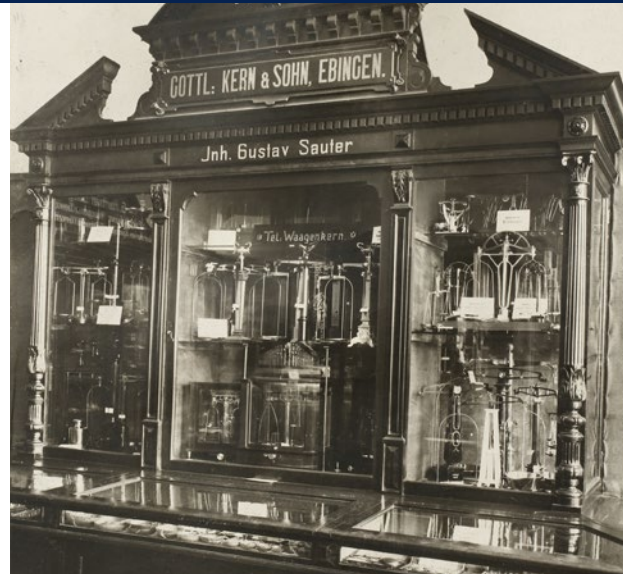
After the war it was a new era: In 1918 women gained entry to the balance

factories for the first time. Tariff partnership was born, there were months of strikes and lockouts about standard wages. With the 8-hour day which was won, working time was reduced down to 48 hours.

1900  
Exhibition cabinet for  
global exhibitions



1915  
Powder balance for automatic  
filling of powder to a precise  
weight



November 1918, Union meeting in Ebingen



1924  
GOTTL. KERN & SOHN,  
picture from the sales  
catalogue at the time

# 1932

*Paul Sauter* *Walter Sauter*

Paul Sauter

\*1899 - † 1944

Walter Sauter

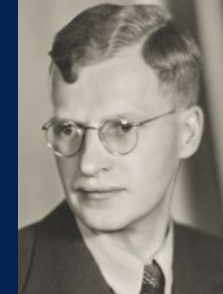
\*1908 - † 1944

Sixth generation

## Construction, war and a bad ending

Right in the middle of the severe economic crisis in the Weimar Republic, sons **Paul** and **Walter** took over the succession from their father Gustav Sauter. The commercial world seemed to stand still – KERN's turnover fell by 50%. After 1933, the few years of peace

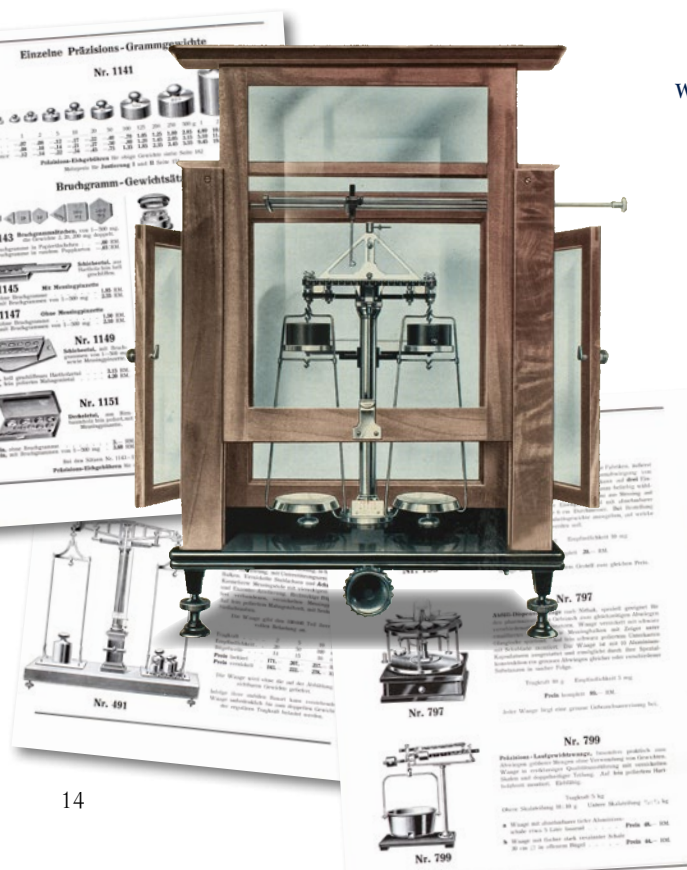
Paul and  
Walter Sauter



were used intensively. But soon the fine mechanical businesses had to be converted to making military equipment – whether they wanted to or not. In 1944 both company owners were killed by an air raid on the company. Again the fate of the company is hanging by a thread.

Selection from the catalogue of 1933.

The leading product, analytical balance in glass cabinet



1938

Walter Sauter with  
Mercedes 170 V



1940

Walter and  
Ruth Sauter



1944, Administrative and  
residence buildings after  
the air raid



# 1944

## Else Sauter

\*1902 - † 1965

After this catastrophe, the sister of the two brothers, **Else**, made every effort to make sure that the business continued, as she wanted to keep it for the children of Walter Sauter. This was a success to an extent, however the economic growth



Else Sauter

period in the 1950s which was so prosperous, passed GOTTL. KERN & SOHN by. Businesses were in decline, one survived on its capital, from economic miracle no trace. With a baking and diet scale, there was an attempt at a fresh start.



1945  
Carbide lamp, made  
from the base of a  
balance column



1945  
GOTTL. KERN & SOHN  
employees kept the  
company afloat by  
manufacturing tool kits  
for plasterers



1954  
Diet and baking balance –  
manufactured for Dr. Oetker

# 1960

**Martin Sauter**

\*1938

**Seventh generation**



## KERN is back in the game

**Martin Sauter**, at the age of 22, son of the deceased Walter Sauter took on a task which was not straightforward. It didn't look good, the product range was completely outdated and needed to be fully re-vamped. After hard years of development, KERN was

ready for mechanical balances and business started to pick up again. But the joy was shortlived, in the 1970s the mechanical age fell victim the age of electronics, a painful break. Once again, a fresh start, which succeeded with the help of globalisation.

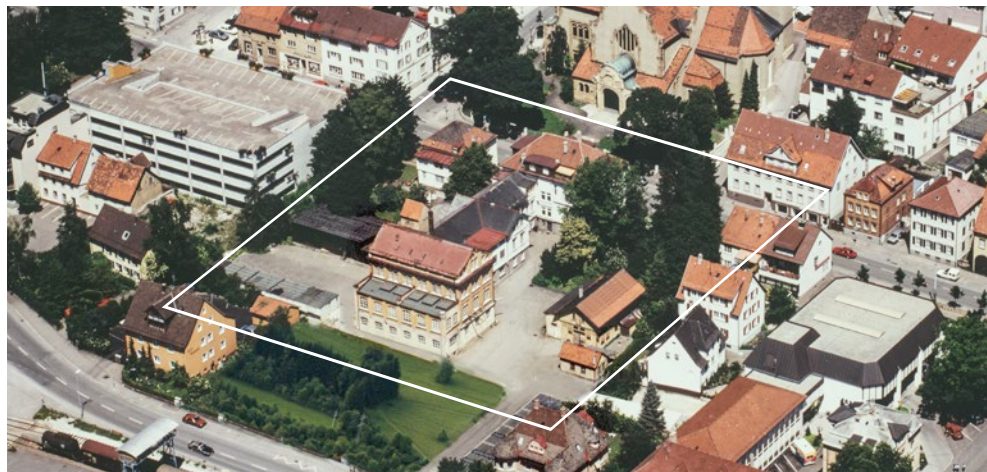


Around the year 1976 Entrepreneur Martin Sauter with son Albert on his arm, together with operations manager Erwin Zizmann in the laboratory



Around the year 1970 Assembly line for balance assembly of model 110

1977 Anniversary celebration. From left to right: Council chairman - Johannes Klaiber, Robert Ströhlin celebrating his 25 years' service, Managing Director, Martin Sauter



Aerial photograph from 1980 – KERN manufactured right in the middle of the town of Albstadt-Ebingen up to 1999



1994

Martin and wife Dr. Marijke Sauter,  
née Heimke

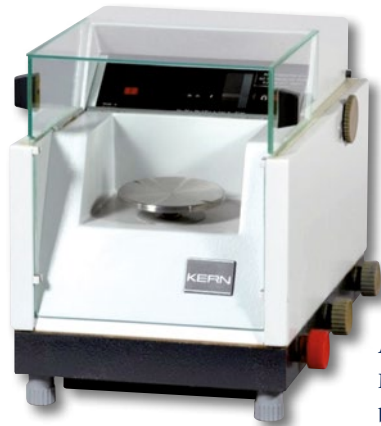
In addition, along came high-quality metrological test services such as the calibration of balances and weights (DKD). KERN was then growing substantially and Martin Sauter was actively supported by his wife Dr. Marijke Sauter in sales and financial accounting.



1985

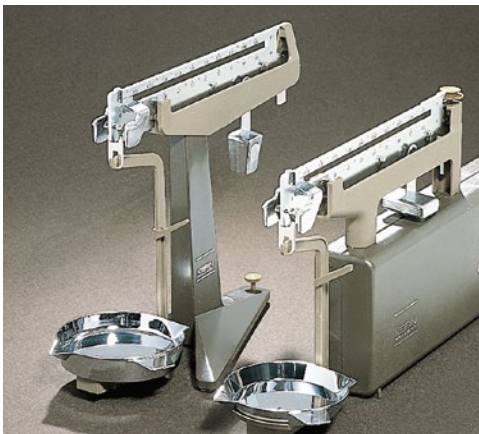
Entrepreneurial family Martin and Marijke Sauter in the inner courtyard of the company in Albstadt-Ebingen

The Ebingen factory created by the great grandfather and grandfather, in the middle of the Ebingen city centre, becomes too small and so, in the year 2000 the factory moved to a new building in Balingen.



Around the year 1965  
Mid-pan analytical  
balance, model 110

Top-pan precision balance  
from 1977, the first  
electronic generation of  
KERN 810



1970  
Sliding weight  
precision balances  
KERN 150



Since 2000, KERN in the Ziegelei in Balingen-Frommern

from 1974, the new European OIML weights: Together with the Physikalisch Technischen Bundesanstalt (PTB - German metrology institute) pioneering work with the introduction of the most accurate Class E2

# 2003

*Albert Sauter*

Albert Sauter

\*1975

Eighth generation

## Heading for new shores

At the beginning of the new millennium, **Albert Sauter**, the oldest son of Martin Sauter, came into the business. During these years the classic precision balance range was expanded significantly to include industrial balances.

With the founding of SAUTER GmbH, Albert Sauter re-invigorated the traditional family name and, under the KERN umbrella, offered measuring devices for force, hardness and layer thickness.



SAUTER force-measuring devices – Advert from 2006



KERN management team and others on the occasion of the retirement of the long-serving works manager Elmar Hauschel



2006  
The start of the SAUTER force-measuring device range

From 2008  
Medical balances complement KERN's line of business



Since 2014, microscopes and refractometers have been available through KERN Optics



In 2008 there was further diversification and an impressive range of medical balances was launched. Six years after that, a new, promising segment was introduced: Microscopes and refractometers.

Once again, space was getting tight at KERN & SOHN, so in 2014-2015 the site in Balingen was significantly extended, with the addition of a multi-function building and a high-bay warehouse with 100,000 storage locations.

Investment in the future: KERN in the anniversary year of 2019, with building extension and state-of-the-art, fully-automated high-bay warehouse



2014 – 2015, Construction site in the Ziegelei in Balingen-Frommern



11.06.2016, Sauter family tour with the Balingen mayors on a works open day



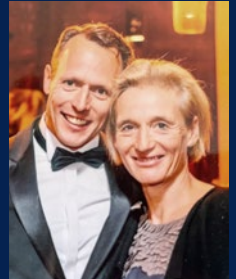
2018, Albert and Jessica Sauter with their daughters

# 2024

## Change and growth

Today the company is in the eighth generation of its story, and is wholly informed and up to speed: with products which can be networked and tailor-made for you, specialised software and a fully-automated high-bay warehouse.

The only way in which we will be able to continue to write this success story is with ongoing innovation, further development and sustainable management.



2022, Claudia Bitzer and Albert Sauter



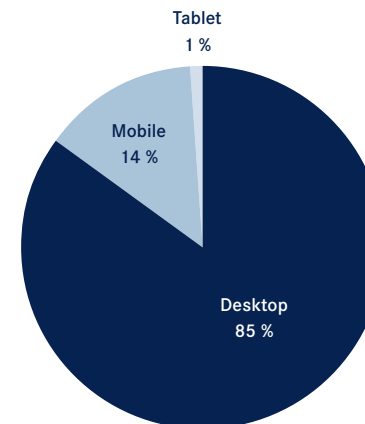
New products from KERN/SAUTER



KERN & SOHN in-house exhibition 2022  
Historic event for key account customers:  
120 participants with  
84 different companies,  
from 26 countries with  
102 training courses in  
two languages

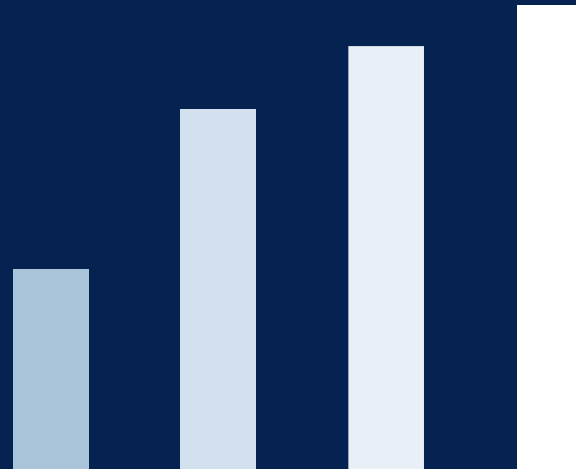


5,000 items at a glance  
– you can find all  
KERN products  
covering weighing and  
measuring technology  
in our product  
catalogues:



Webshop usage from 2023

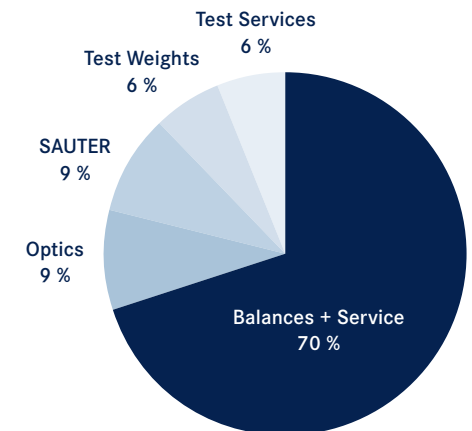
- Users: 141,204
- Sessions: 342,245



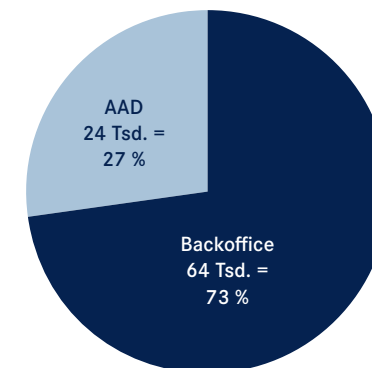
2020 2021 2022 2023

Since 2020, total sales have increased by around 37% - despite all the crises

**Sustainable** - We are already heating and cooling our modern industrial buildings in a largely climate-neutral way using geothermal power. The work on the roof of our high-bay warehouse is now complete and our photovoltaic system has been successfully installed. By doing this we have reached a significant milestone in our sustainability strategy.



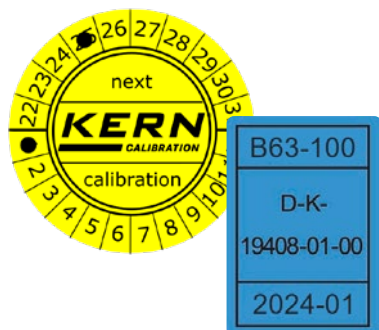
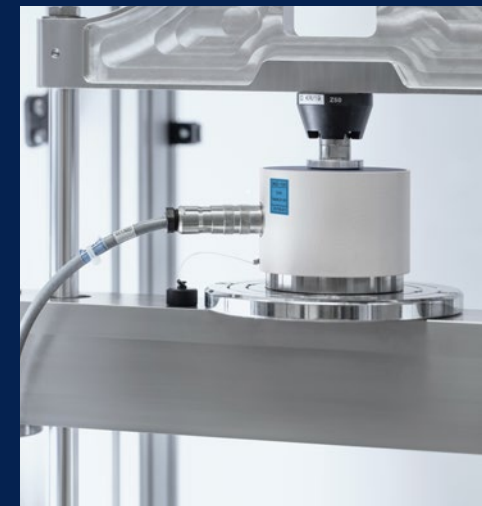
KERN sales spread (2023)



Achievements in the back office and customer service (2023)



The KERN calibration service  
is brand-independent.



## 30 years of calibration laboratory at KERN & SOHN

Clearing the high hurdle of accreditation in accordance with DIN EN 45001 (today DIN EN ISO/EC 17025:2018) in the German calibration service DKD (known today as DAkkS, the German accreditation body) in 1994, was an important step for KERN & SOHN, as the benefit for KERN customers is significant:

- DAkkS calibration certificates open doors, with no ifs or buts, to quality management systems such as e.g. the DIN EN ISO 9000 family of standards.
- With DAkkS-calibrated measuring devices, measuring results are optimally verified according to internationally recognised regulations.

- In this way, the metrological requirements specified in a certified company's management system for test equipment are fulfilled.

### DAkkS calibration of balances

Our scope of accreditation for the manufacturer-independent DAkkS calibration of highly accurate analytical balances through to crane scales covers a measuring range of up to 50,000 kg.

We perform calibrations in our permanent calibration laboratory or on your premises.

### DAkkS calibration of weights

KERN calibrates weights from the E1, E2, F1, F2, M1, M2 and M3 OIML weight classes, with our scope of accreditation ranging from 1 mg up to 2,500 kg.

In addition, KERN offers calibration of free nominal values, e.g. Newton or special weights.

With our test tool management system you have constant access to all information regarding the calibration of your test equipment. Never miss a recalibration deadline thanks to our reminder service.

## KERN – a powerful partner by your side for 180 years

### Your advantages - our philosophy

- Find over 5,000 main articles in our online shop, 24/7
- Our experts offer you individual advice in a range of languages
- 24-hour dispatch service (if in stock)
- KERN offers numerous modular system solutions for special customer requirements
- Spare parts and repair service
- KERN storage service - no storage costs for you



## Our wide-ranging product portfolio

### Laboratory Balances

- Pocket Balances
- School Balances
- Analytical Balances
- Precision Balances
- Moisture Analysers

### Industrial Scales

- Bench Scales
- Counting Scales
- Price Computing Scales
- Food Scales
- Platform Scales

### Medical Scales

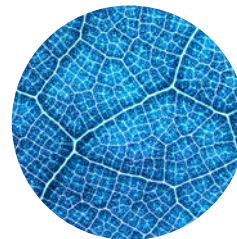
- Baby Scales
- Personal Scales
- Chair Scales
- Wheelchair Platform Scales
- Veterinary Scales

### Optical Instruments

- Microscopes
- Refractometers
- Polarimeter
- Microscope Cameras
- External Illumination

### Measuring Instruments

- Force Gauges
- Force Test Stands
- Coating Thickness Gauges
- Length Measurement Devices
- Colour Measurement Devices





KERN & SOHN GmbH  
Balances, Test weights, Microscopes, DAkkS Calibration laboratory  
[www.kern-sohn.com](http://www.kern-sohn.com)

**180** YEARS  
since 1844  
**KERN & SOHN**

z-hfen-k-2024 1

