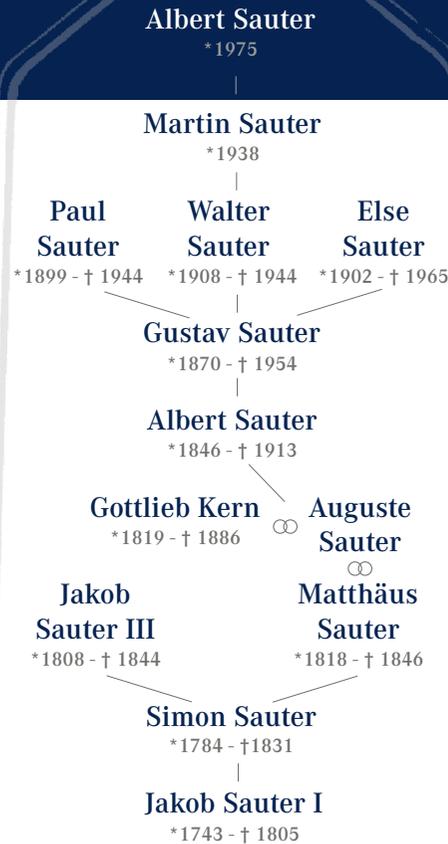


180 YEARS KERN & SOHN

A success story in eight generations



Eight generations –
what a passion!



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.

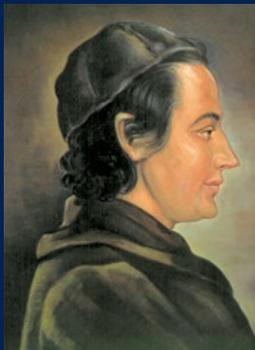
Even worldwide we could not find any workshops or companies who, like us, have been manufacturing precision balances continuously for 250 years.

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

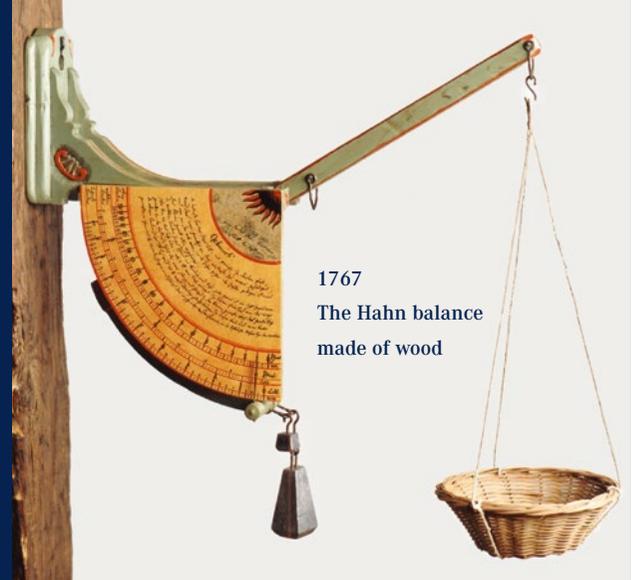


Martin Sauter

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 astronomic 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*

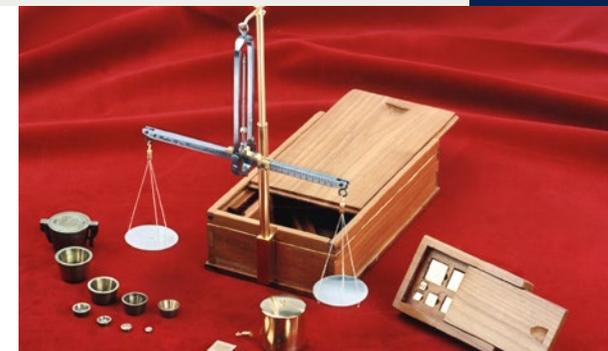
turn your attention to work out how we can determine the quality of the wine right at the time of the harvest.” In the small area of Württemberg not only did they work hard at drinking the wine, they also worked hard



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

General hydrostatic balance
from 1774



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

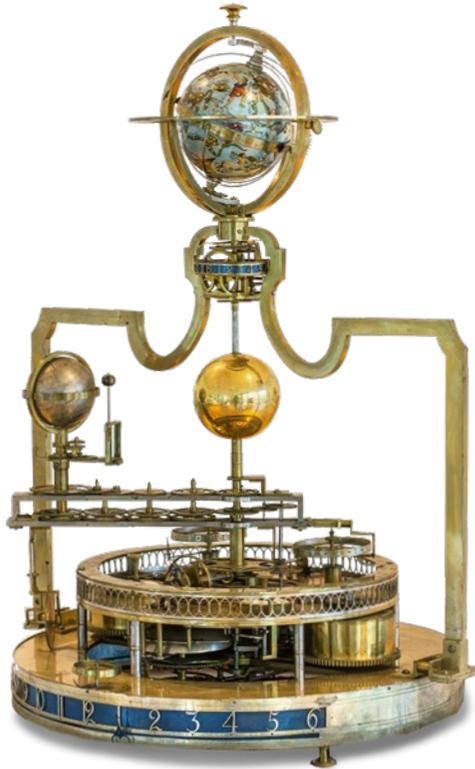
At the same time, **Jakob Sauter I** became a clock maker and precision engineer and trained three sons to become excellent engineers. With the Napoleonic wars Württemberg became noticeably impoverished and **his sons Jakob Sauter II**

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.



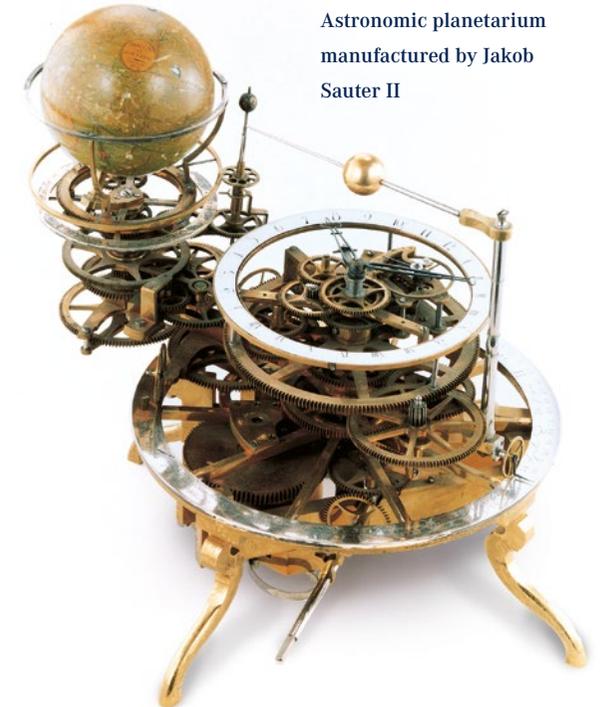
Around the year 1810
Chemical balance, built by son Jakob Sauter II,
Stockholm – for the Swedish chemist, Berzelius



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

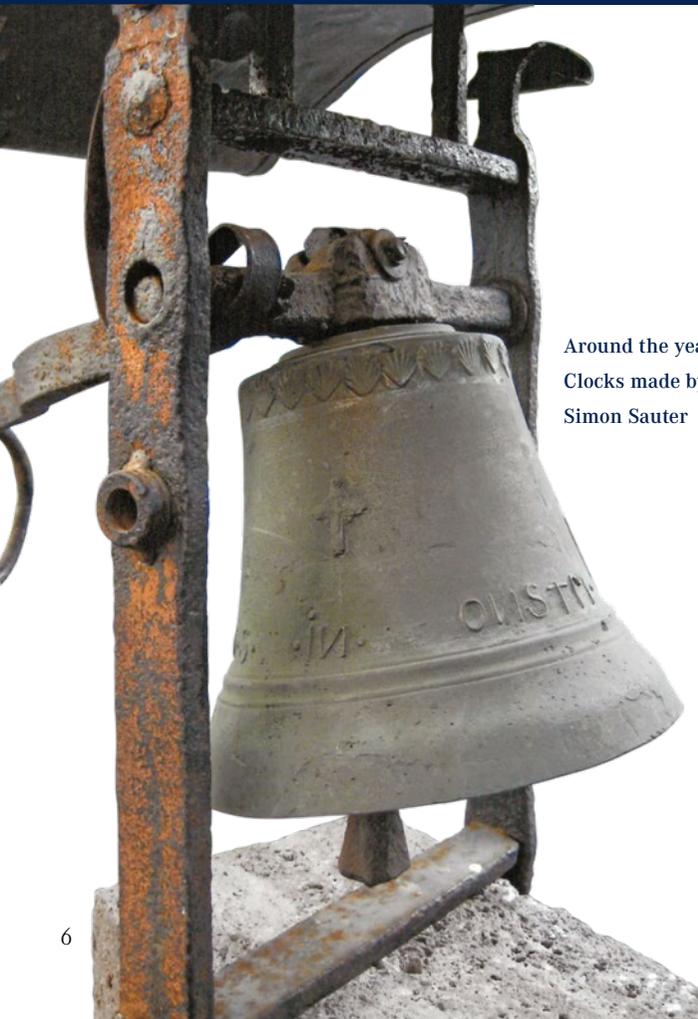
Second generation

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



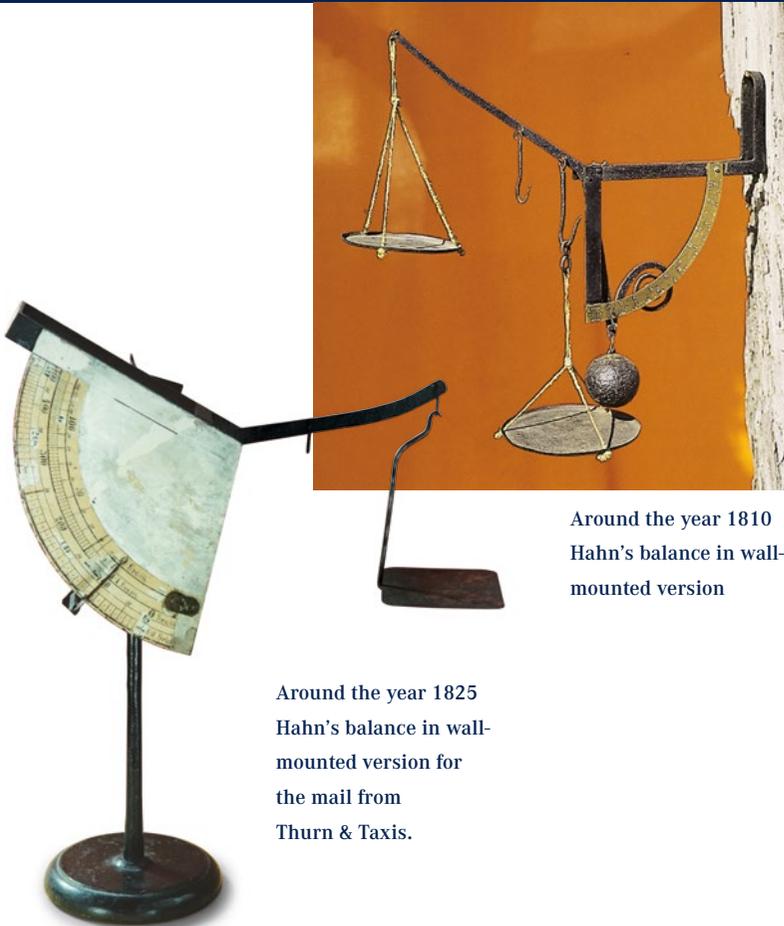
The super accurate balance from Pastor Hahn from 1774 is recreated. The times were good, which meant that he was soon able to dedicate himself, with his three sons, to balance manufacture, or more precisely, precision balance manufacture.

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"

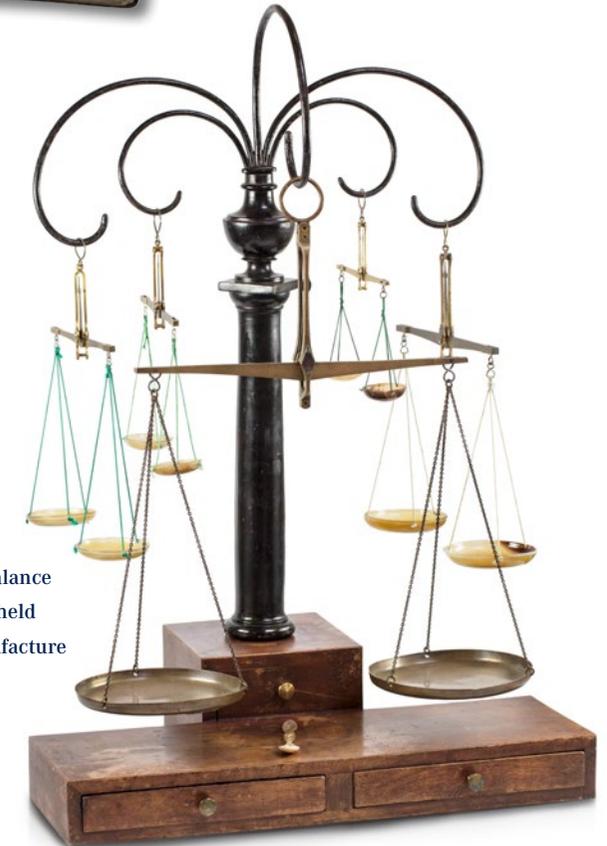


Around the year 1810 Hahn's balance in wall-mounted version

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 Carzeol laufend, von Messing genau und fein gearbeitet, ganz fertig oder auch zum Pulven sehr bequem eingerichtet.
Länge der Balken, französischer Massstab auf Stahl

Zoll	Stück	R. Kf.	L. Kf.
20	15	10	30
24	10	14	30
28	10	18	30
32	10	22	30
36	10	26	30
40	10	30	30
44	10	34	30
48	10	38	30
52	10	42	30
56	10	46	30
60	10	50	30
64	10	54	30
68	10	58	30
72	10	62	30
76	10	66	30
80	10	70	30
84	10	74	30
88	10	78	30
92	10	82	30
96	10	86	30
100	10	90	30

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

Tarrierwagen
welche 1 Genz genau angeben mit messingenen Schalen und Säulen ganz fertig oder auch bequemste eingerichtet 7 36

Hand- und Granwagen
mit ganz feinen Hornschalen.

Nr.	Balkenlänge	Stück	R. Kf.	L. Kf.
1.	10 Zoll	3	4	3
2.	12 "	3	4	3
3.	14 "	3	4	3
4.	16 "	3	4	3
5.	18 "	3	4	3
6.	20 "	3	4	3
7.	22 "	3	4	3
8.	24 "	3	4	3
9.	26 "	3	4	3
10.	28 "	3	4	3
11.	30 "	3	4	3
12.	32 "	3	4	3
13.	34 "	3	4	3
14.	36 "	3	4	3
15.	38 "	3	4	3
16.	40 "	3	4	3
17.	42 "	3	4	3
18.	44 "	3	4	3
19.	46 "	3	4	3
20.	48 "	3	4	3
21.	50 "	3	4	3
22.	52 "	3	4	3
23.	54 "	3	4	3
24.	56 "	3	4	3
25.	58 "	3	4	3
26.	60 "	3	4	3
27.	62 "	3	4	3
28.	64 "	3	4	3
29.	66 "	3	4	3
30.	68 "	3	4	3
31.	70 "	3	4	3
32.	72 "	3	4	3
33.	74 "	3	4	3
34.	76 "	3	4	3
35.	78 "	3	4	3
36.	80 "	3	4	3
37.	82 "	3	4	3
38.	84 "	3	4	3
39.	86 "	3	4	3
40.	88 "	3	4	3
41.	90 "	3	4	3
42.	92 "	3	4	3
43.	94 "	3	4	3
44.	96 "	3	4	3
45.	98 "	3	4	3
46.	100 "	3	4	3

Hydrostatische Wagen
große Gattung mit justirtem Glas und allen erforderlichen Gewichten, Thermometer etc. alles in einem schön polirten Kasten in Stempel eingeklebt.
Kleine Gattung ohne Thermometer
Ordinäre 10

Weinwagen
für alte und neue Weine ohne Gewicht anzulegen von Messing schön gearbeitet
dergl. von Silber 2 12

Hahn'sche Wagen
auf welchen von 1/2 Loth bis 40 Pfund gewogen werden kann 7 30

Medicin-Gewichte
Stück, von 2 bis 12 Unzen in Holz eingeklebt
dergl. kleine Gewichte pr. Schachtel 3 36

Siganonische Pariser Säulenwagen
der Balken ruht entweder auf einer soliden messingenen Säule oder auf einer von bronzirten Gussstücken, mit schönen messingenen Schalen und Säulen, sehr bequem eingerichtet.
dergl. Pariser Tarrierwagen
auf einer messingenen Säule oder bronzirten von Gussstücken, auch sehr bequem eingerichtet. — Zu diesen Säulenwagen wird auf Verlangen eine besondere Schaltung abgegeben, wo die Preise nachfolgend bemerkt sind.

Nachstehende verfertige ich alle weitere mathematischen Instrumente und physikalischen Apparate, zu den billigsten Preisen; auch wird für mehre Fächerklasse immerhin mehrjährige Garantie gewährt und jeder den Wünschen und Anforderungen nicht entsprechende Artikel wieder zurückgenommen.

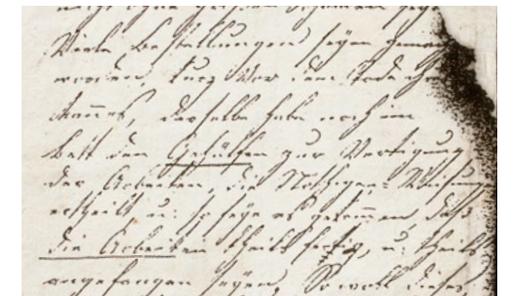
Die Preise pr. Comptant im 24 R. Fuss.

First price list from 1843



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.



"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"

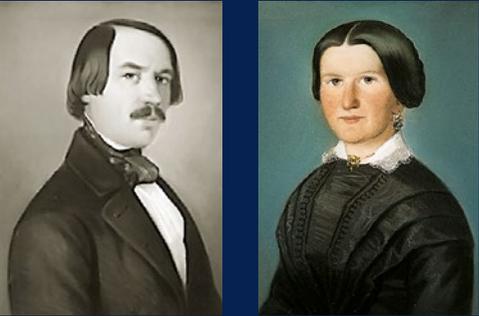


Precision balance around the year 1840, in glass housing with milligramme sensitivity

1844

Gottl. Kern, Mannheim

The brand KERN stems from Gottlieb Kern



Gottlieb Kern with wife Auguste, previously Sauter

Gottlieb Kern

*1819 - † 1886

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.

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.



Invoice from 26 June 1874



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



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 Aesculapian 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

Gustav Sauter

*1870 - † 1954

Fifth generation

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.

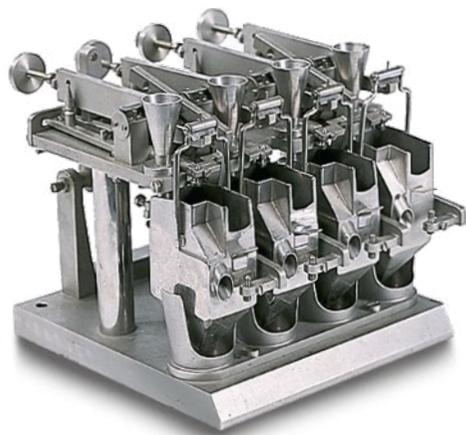
After the war it was a new era: In 1918 women gained entry to the balance

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



November 1918, Union meeting in Ebingen



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



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

Paul and
Walter Sauter

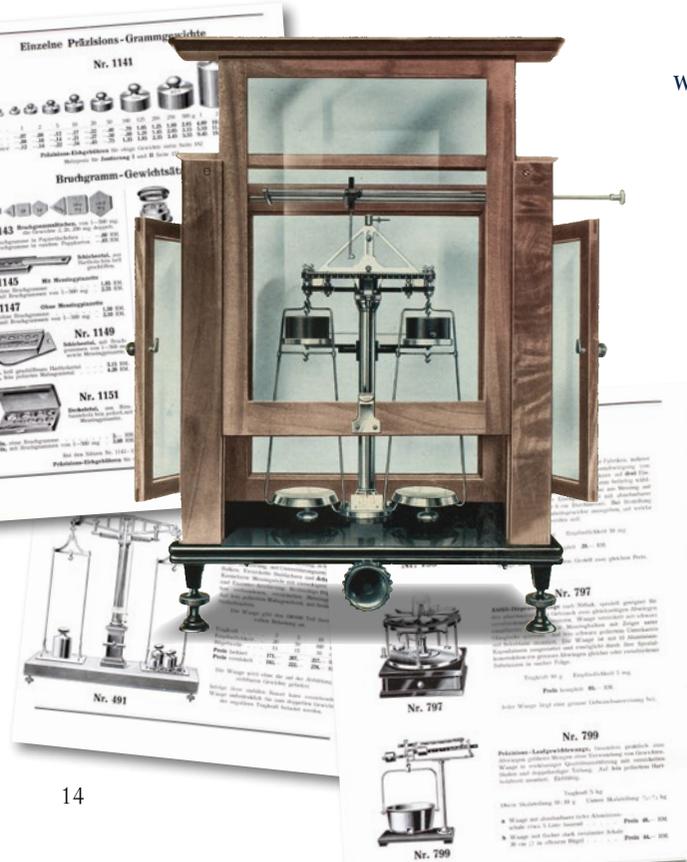


Construction, war and a bad ending

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

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



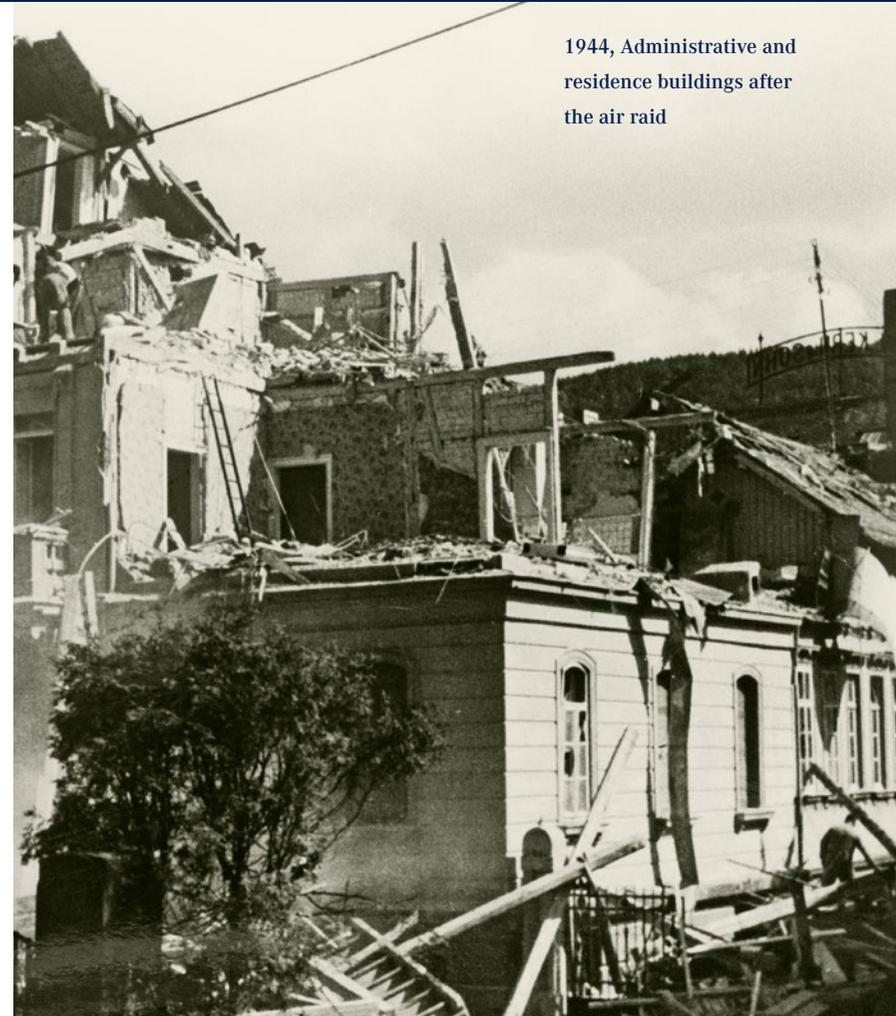
1938
Walter Sauter with
Mercedes 170 V



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.

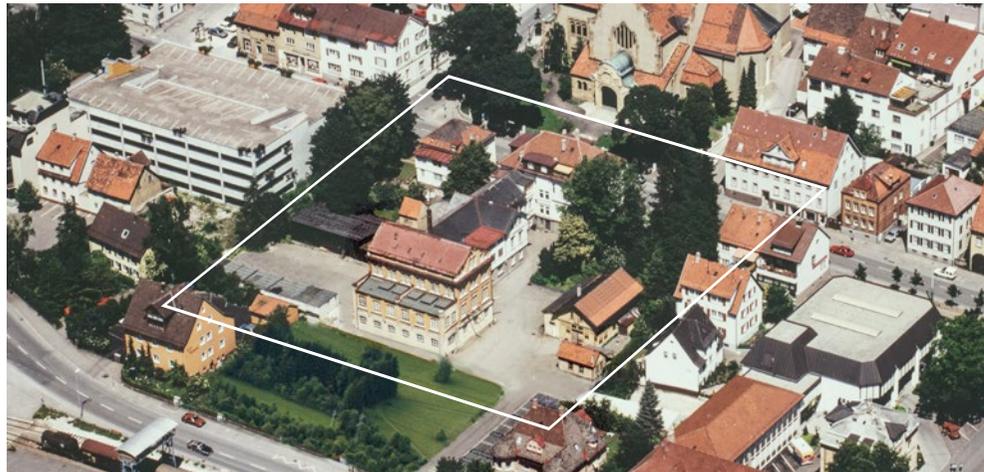


Around the year 1976 Entrepreneur Martin Sauter with son Albert on his arm, together with operations manager Erwin Zizmann in the laboratory



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

Wenn Kraft auf Präzision trifft ...

www.sauter.eu

SAUTER SVM Die Sautek®-Messwaage Prüfstand bis 5.000 N € 590,-	SAUTER TVL Die Sautek®-Aufbauwaage plus mit Gegenmessung € 230,-	SAUTER FA Die Sautek®-Federwaage Prüfstand € 200,-	SAUTER FT Die Sautek®-Federwaage Prüfstand mit analoger Skalenab- lesung ab € 270,-	SAUTER FH Die Sautek®-Federwaage Prüfstand für alle Prüfstände geeignet ab € 230,- inkl. Zubehör	SAUTER GmbH Kernweg 1 73431 Heilbronn Tel.: +49 (0) 71 41 518-555 Fax: +49 (0) 71 41 518-292 www.sauter.eu
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MECHANISCHE KRAFTMESSGERÄTE • DIGITALE KRAFTMESSGERÄTE • PRÜFSTÄNDE • DRUCKER & ZUBEHÖR • KALIBRIERLEISTUNGEN • FEDERPRÜFSYSTEME • TÜRTESTER

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



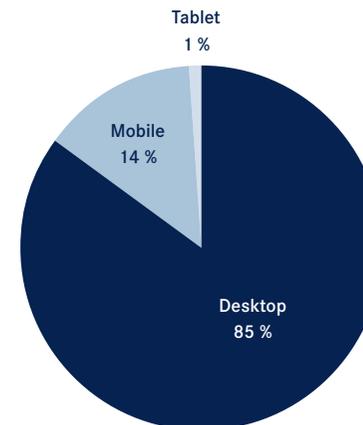
New products from KERN/SAUTER



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

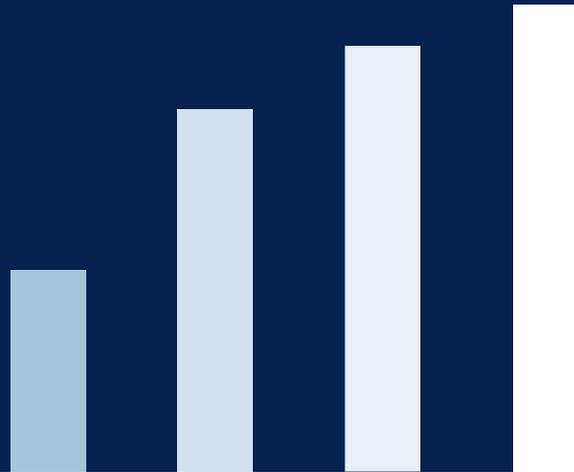


5,000 items at a glance – you can find all KERN products covering weighing and measuring technology in our product catalogues:



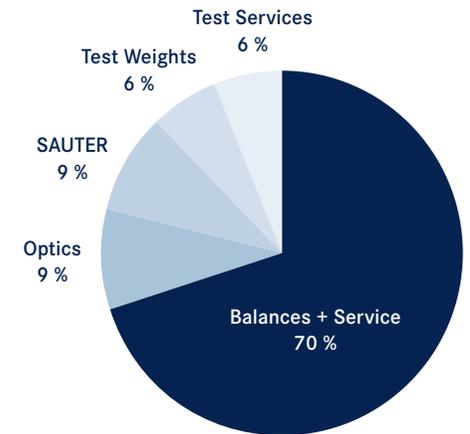
Webshop usage from 2023

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

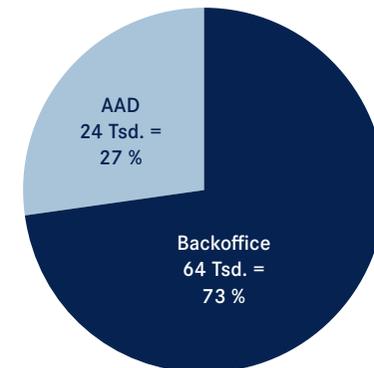


Sustainable - We are already heating and cooling our modern industrial buildings in a largely climate-neutral way using geothermal power. The work on the roof of our high-bay warehouse is now complete and our photovoltaic system has been successfully installed. By doing this we have reached a significant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

2020 2021 2022 2023
Since 2020, total sales have increased by around 37% - despite all the crises



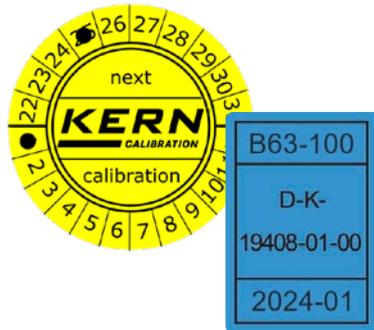
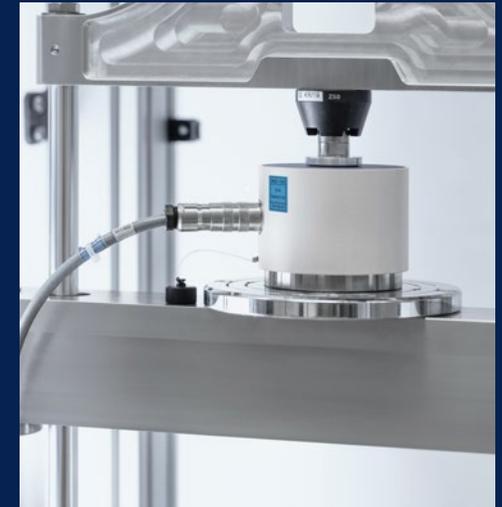
KERN sales spread (2023)



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

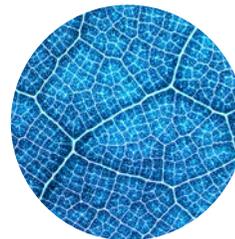
- Baby Scales
- Personal Scales
- Chair Scales
- Wheelchair Platform Scales
- Veterinary Scales

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



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