

bonGROUP

EXPERTISE IN HEAT TREATMENT



BURGDORF OSMIROL NÜSSLE

YOUR SPECIALISTS IN
HEAT TREATMENT PROCESSES

bonGROUP
EXPERTISE IN HEAT TREATMENT

BURGDORF
OSMIROL
NÜSSLE



It is an exciting yet challenging exercise to describe a group of companies, capture their identity, tell their 70-year history and summarise their corporate philosophy, in just a few pages of words and pictures. However, we accepted the task with enthusiasm.

Our group started with the pioneering spirit of Karl-Wilhelm Burgdorf and Erich Nüssle. Our predecessors, Hannes and Eckhard H. Burgdorf, were successful in developing the business still further. It is now managed by us, the third generation.

Our innovative high-quality process materials for steel hardening have been developed in-house, setting standards in the industry. Years of experience mean that our technical advice regarding all aspects of heat treatment make us a reliable, competent and personal partner for our customers across the world.

Our integrity, commitment, the financial soundness of our business and our highly motivated employees create trust with our business partners, suppliers, shareholders, official bodies and the public.

We all aspire to provide perfection in everything we do, because just being good is never good enough for us!

We remain committed to this guiding principle - both today and in the future!

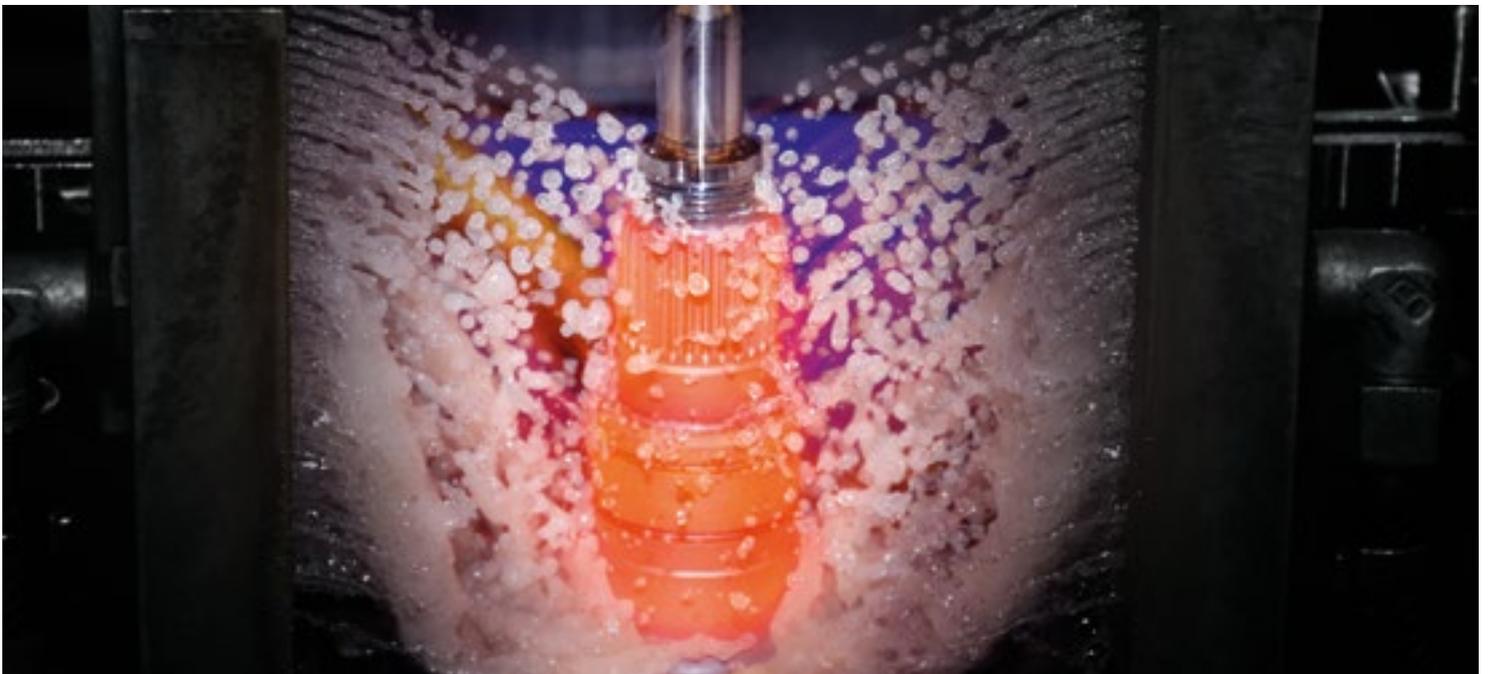
We are pleased to present you our new company brochure and hope you enjoy reading it.

A handwritten signature in blue ink, appearing to read 'Frank Burgdorf'.

Dipl.-Kfm. Frank Burgdorf
Managing Partner

A handwritten signature in blue ink, appearing to read 'Rainer Braun'.

Dipl.-Ing. Rainer Braun
Managing Partner



PREMIUM IN HARDENING TECHNOLOGY.

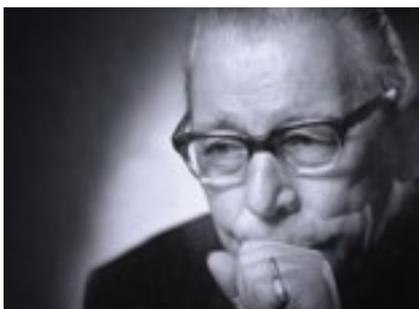
Our group brings three leading companies in the field of materials technology and heat treatment under one roof - **BURGDORF**, **OSMIROL** and **NÜSSLE**. By combining our expertise, we are able to offer you premium quality process materials „Made in Germany“ together with tailor-made advice on your applications. And we have been doing this for 70 years now.

Heat treatment processes are not simply our expertise. They are our passion. We view them as a whole, so that we can be depended on to maintain high quality and efficiency - with maximum process reliability. Our consulting expertise is unique in the industry. Benefit from our knowledge and experience. Talk to our experts.

COMPANY HISTORY 1949 – 2019

1949

Company founded by **Dipl.-Ing. Karl-W. Burgdorf** in Nienburg / Weser as a retail business. Development of the first mineral oil-based quenchants with controlled cooling behaviour. This was due to the demand for powerful quenchants for the heat treatment of mainly poorly hardenable and low-alloyed steels in the post-war period.



1950 – 1960

Relocation of the company to Stuttgart.

Development of the first high-performance, multi-grade and mar quenching oils that are resistant to ageing and evaporation, together with tempering oils (**DURIXOL**).

1966

Conversion into a limited partnership - **BURGDORF KG**.

1976

Development of polymer quenchants for surface layer and immersion bath hardening (**SERVISCOL**) and their introduction to the market

1979

Establishment of an in-house development and testing laboratory.

1984

Takeover of Erich Nüssle OHG, Nagold founded by Erich Nüssle in 1952 Manufacturer of stop-off paints (**CONDURSAL**, **CONDURON**).



1993

Introduction of the first special cleaners for component cleaning (**UNIHA**, **SERVIDUR**) into our product and service portfolio.

1996

Dipl.-Ing. Rainer Braun joins the company to prepare for the continued leadership of the business into the third generation. Takes over the function of Managing Partner in 2005.



2004

Acquisition of the quenchant activities of Bechem GmbH, Hagen.

1968 – 1969

The sons of the company founder
Dipl.-Kfm. Hannes Burgdorf and
Dipl.-Ing. Eckhard H. Burgdorf, join the company



1971

Takeover of the management of the company by
the second generation



1974

Sales of first self-developed vacuum quenching
oils (DURIXOL).

1986

Development and launch of synthetic quen-
chants and tempering oils (SYNABOL, SYNANOL).

1987

Market introduction of our anticorrosion
products (SERVITOL).

1992

Takeover of Osmirol GmbH, Osnabrück. Manu-
facturer of polymer quenchants (OSMANIL).

2005

Dipl.-Kfm. Frank Burgdorf joins the company
to prepare for the continued leadership of the
company into the third generation.
Takes over the function of Managing Partner
in 2007.



2012

Acquisition of the quenchant activities of
Georg Oest Mineralölwerke GmbH & Co. KG,
Freudenstadt.

2019

Seventieth anniversary of
BURGDORF GmbH & Co. KG.

YOUR SPECIALISTS IN HEAT TREATMENT PROCESSES.

Our group is known for its uncompromising quality in hardening technology. We develop process materials, advise you on all questions relating to application and process engineering, develop tailor-made solutions and offer you a comprehensive portfolio of services, from quality assurance through to documentation and high-quality after-sales service.

OUR AIM: TO ALWAYS OFFER THE BEST POSSIBLE PRODUCTS AND SERVICES

Our group's customers operate in the materials technology and heat treatment sectors at the highest levels of quality. These are the same aims as we have. The group always represents quality „Made in Germany“. Among other objectives, we ensure the premium quality of our products by only using high-quality and tightly specified raw materials and developing and producing our products in Germany.

We constantly review and challenge our internal work and process flows in all areas of the company. We are committed to open and constructive communication within the business so that we constantly identify and implement areas with a potential for improvement. We not only aim to offer our customers the best products, but also the best services, always paying due regard to environmental guidelines. To provide external documentation of this, we obtained certification to ISO 9001: 2015 and ISO 14001: 2015 early on.

The result: Many customers have been placing their trust in us for decades. The companies in the group are A-vendors to many parts of the steel processing industry, including the screw, tool, spring, forging and engineering industries, worldwide. We have been the preferred partner of the automotive industry for more than 70 years. We also work together with all the well-known suppliers in the heat treatment industry.

OUR GUARANTEE: RELIABILITY THROUGH AN HOLISTIC APPROACH

As experts in high-quality process materials for heat treatment, we always look at the entire heat treatment process in a holistic way.

Not only do we consider the application requirements and the performance of our products, but also the effect of plant and process technologies, the prior condition of the material and the component shape and history. We can thus guarantee maximum process reliability, ensuring quality and minimising cost and production time.

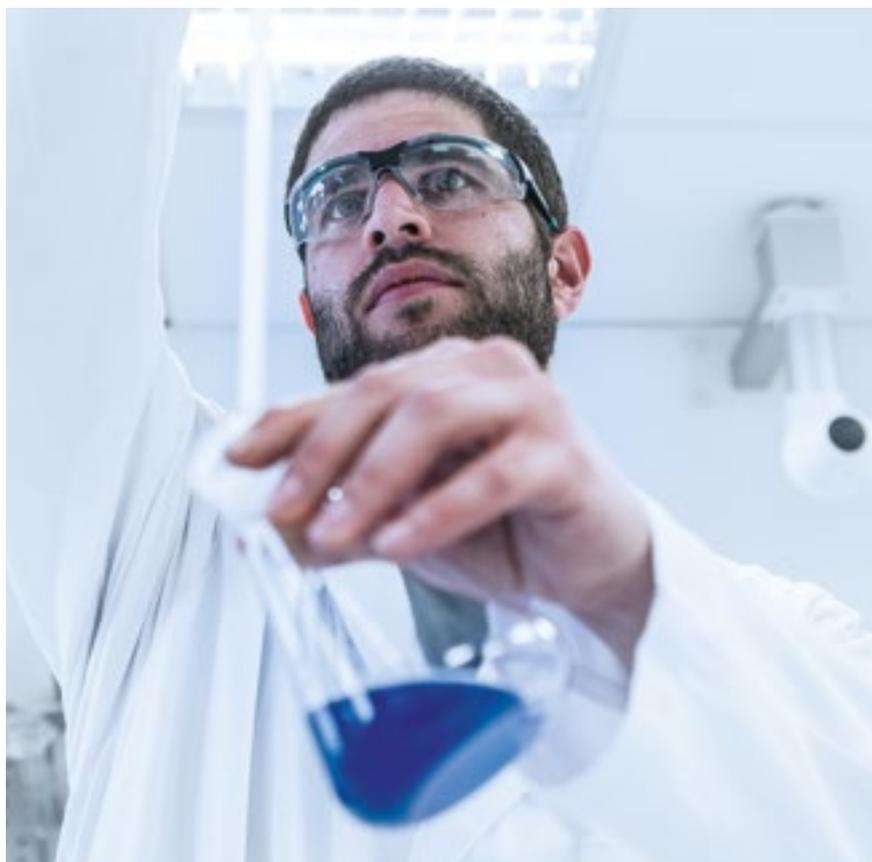


WHAT OUR CUSTOMERS APPRECIATE ABOUT US: **RELIABILITY, INTEGRITY AND UNIQUE EXPERTISE.**

OUR KNOW-HOW: UNIQUE IN THE MARKET

The sum of our expert know-how in the field of heat treatment is unequalled and sets standards on the market. Our customers profit directly from our expertise: Every contact person in the group has many years of experience and has been given the right technical training. To keep our knowledge up to date, we continue to educate ourselves at conventions and conferences and share our knowledge by giving lectures. We maintain intensive contacts in the

petrochemical industry and regularly exchange information with the suppliers of raw materials worldwide. In addition, we carry out continuous research and development - every company in our group has its own R&D department. Participation in national and international associations such as AWT, IHT, IFHTSE or SVW enables us to fully participate in further developments in our field of expertise as well as define new technical standards.



OUR APPROACH:
FLEXIBILITY, RESPONSIBILITY AND INTEGRITY

The companies in the group are owner-managed family businesses with short decision pathways and a high degree of flexibility. This means we can genuinely offer application-specific advice and respond quickly if the situation requires it. Our customers value our absolute reliability and on-time delivery as well as our integrity.

When we work together, we promote a respectful, binding, open, honest and fair cooperation - not only within the

group, but also with our business partners, customers and suppliers. We support our employees in developing their strengths and show appreciation for their performance.

We also recognise our responsibilities outside the corporate group and are involved in social and humanitarian projects, mainly in the field of education and sport. The focus of our activities is the support of needy people, especially the children and young people in the region.



COMPETENCE TO THE POWER OF THREE.



FOR UNCOMPROMISING QUALITY IN HARDENING TECHNOLOGY.

BURGDORF THE SPECIALISTS FOR STEEL HARDENING AND QUENCHING PROCESSES

Founded in 1949 by Karl-Wilhelm Burgdorf, the company developed into a steadily growing business that remains an owner-managed medium-sized specialist in quench hardening technology in the top league.

Our group of companies started with the pioneering spirit of the founder. With his scientific understanding that the quenching behaviour of evaporating fluids can be adjusted by influencing their boiling characteristics, the degree of alloying of the materials and the component geometry, he developed the first high-performance quenching oils with an adjustable cooling behaviour.

Since then, BURGDORF'S product range has been constantly developed in Germany and manufactured to meet strict quality requirements. It sets standards worldwide: Internationally protected brands such as DURIXOL, MULTIQUENCH, SYNABOL, SERVISCOL, POLYQUENCH, SERVITOL or SERVIDUR are used in production hardening shops in industry as well as in commercial heat treatment shops and forges around the world.



OSMIROL THE SPECIALISTS FOR POLYMER QUENCHANTS FOR SURFACE HARDENING

Founded in 1946 and taken over by BURGDORF in 1992, this medium-sized company is an internationally active specialist with a proven record in the heat treatment of steel. OSMIROL specializes in the development and sale of polymer quenchants for surface hardening.

NÜSSLE THE SPECIALISTS FOR STOP-OFF PAINTS

Founded by Erich Nüssle in 1952, owner-managed NÜSSLE is today the world market leader in the development and manufacturing of stop-off paints used in the heat treatment industry.

This medium-sized company based in Nagold, Germany, has been a member of our group since 1984.

These stop-off paints are manufactured exclusively in Germany under the internationally protected brand names of CONDURSAL, CONDURON and VACUCOAT and delivered to more than 50 countries worldwide. They set the highest quality standards.

The main areas of application are in the automotive and transmission industries, in mechanical engineering, the tool industry and commercial heat treatment shops.



OUR PRODUCTS.

These days, the group's quenching oils, polymer quenchants, special cleaners, corrosion inhibitors and stop-off paints are indispensable for the heat treatment of steel in many industries. Not only do our process materials facilitate high-quality heat treatment processes and solve application-related problems, they set the standard for quality, reproducibility and process reliability in the heat treatment shop.

Our products also save resources, thanks to their extraordinary stability. They guarantee maximum service life and low consumption.

OUR PROCESS MATERIALS **NEW STANDARDS. IN QUALITY, STABILITY AND SAFETY.**



BURGDORF PRODUCTS

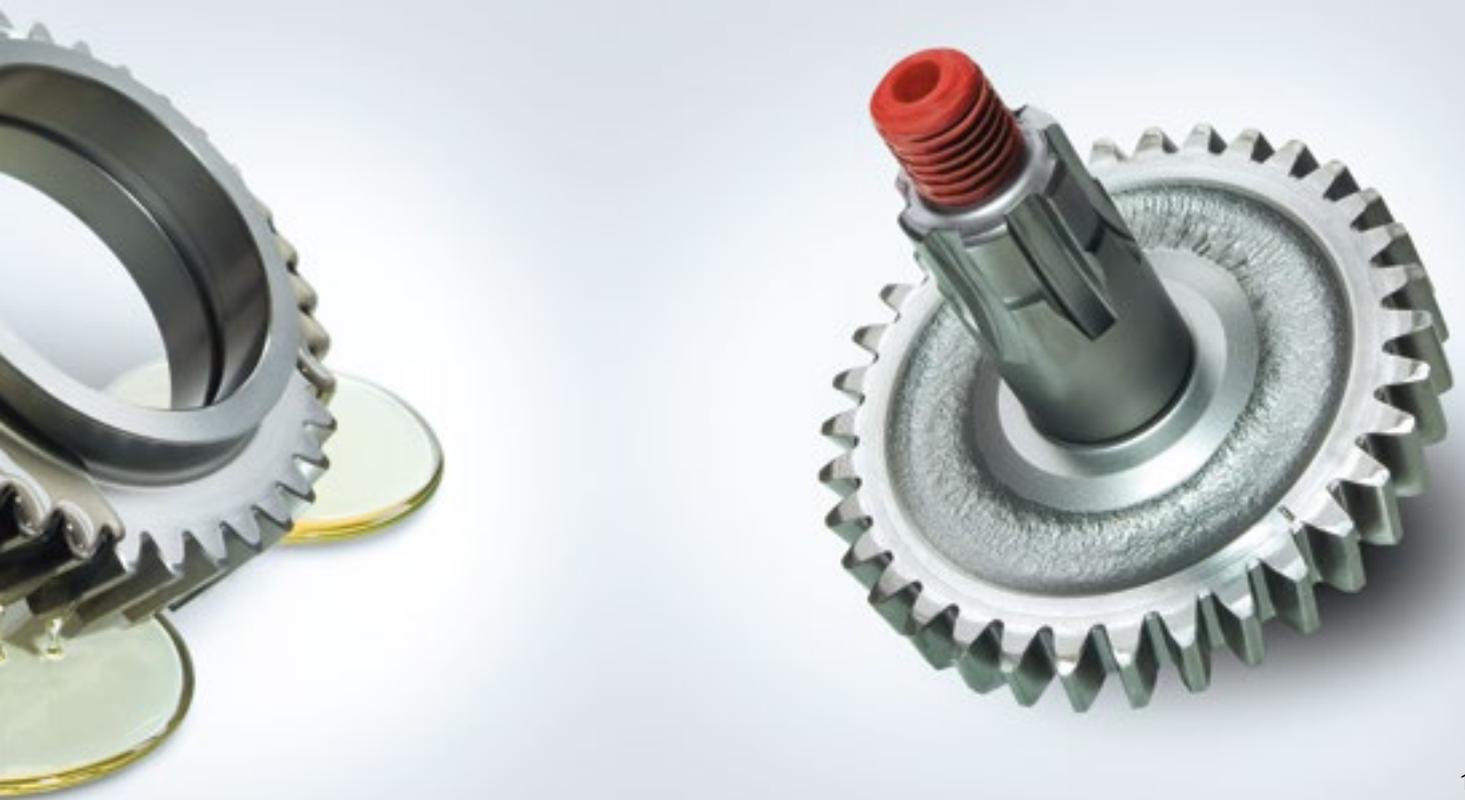
High performance quenching oils, polymer quenchants, anti-corrosion products, blackening agents and dewatering fluids, special cleaners for cleaning components before and after heat treatment.

OSMIROL PRODUCTS

Polymer quenchants for surface hardening.

NÜSSLE PRODUCTS

Stop-off paints for gas carburising, low-pressure carburising, powder and granule carburising, gas nitriding, nitrocarburising, plasma and pulse plasma nitriding and annealing processes.



OUR SERVICES:

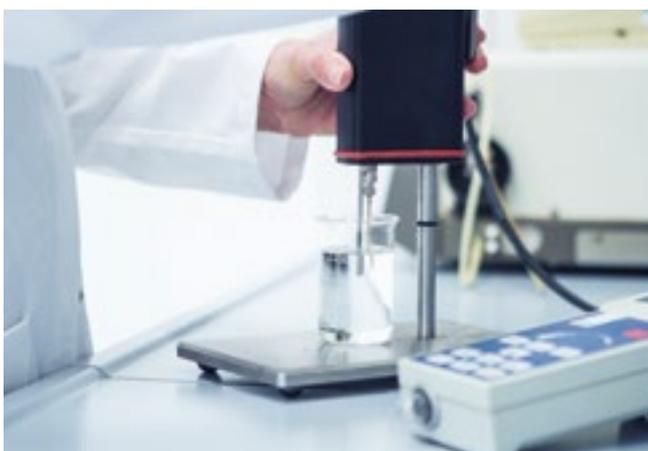
UNRIVALLED EXPERTISE FOR EXCELLENT RESULTS.

We aim to achieve exceptional quality results for our customers, but we are not pursuing this goal with our high-quality range of products alone. Ever since the business started, the group has been characterised by a comprehensive and in-depth expertise that is second to none in the market.

RESEARCH AND DEVELOPMENT FROM A REAL PIONEER SPIRIT

Our experience in the fields of heat treatment of steel and quench hardening technology has its origins in the knowledge of our founder, Karl-Wilhelm Burgdorf. It has been systematically expanded since 1949 and this is documented in our literature archive. We actively pursue our own research and development and are in close contact with all well-known manufacturers of heat treatment systems, accessory companies, heat treatment associations, research institutions and the authorities.

Our employees are active in national and international committees of experts. We attend regular technical conferences and are often represented there by giving our own lectures. We also share our expertise at in-house training events covering heat treatment, applications, the handling and care of our products.



CUSTOMISED SUPPORT FOR YOUR APPLICATION

Our practical consulting services include technical support in the use of our products as well as routine annual laboratory tests and special investigations in the case of problems with an application. Our in-house laboratory reports are individually tailored to the customer and his needs and, if necessary, can be provided with concrete recommendations for action. Individually summarising our laboratory knowledge together with the knowledge of the customer's process parameters leads to much improved support for our customers. It is unique in our industry.





WORLDWIDE CUSTOMER SUPPORT AND ADVICE

Our service portfolio is completed by an extensive after-sales service with regular customer visits, on-site support in the event of a problem and information regarding new and further developments being made by the group.

The declared corporate strategy of the group is to help our customers develop all aspects of their steel heat treatment processes.

OUR SERVICES:

- Application technical advice
 - Problem analysis and the development of problem-solving methods
 - Lectures and training (inhouse)
 - Laboratory investigations
-





THE PREFERRED PARTNER IN
NUMEROUS INDUSTRIES.
**THANKS TO THE HIGHEST
QUALITY STANDARDS.**



OUR CUSTOMERS.

Many of our customers have been trusting us for decades. The companies of the bon Group are A-vendors to the steel processing industry worldwide, especially [transmission manufacturers](#), [forging companies](#), the [screw](#) and [spring industry](#), the [tooling industry](#), [mechanical engineering](#) and manufacturers of mass-produced parts in the area of [highly stressed fasteners](#), [transport-](#) and [vehicle tracks](#), as well as [precision engineering](#) such as [watchmaking](#). We also work together with all the well-known suppliers in the heat treatment industry. **Just get in touch.**

bongGROUP

EXPERTISE IN HEAT TREATMENT

BURGDORF GmbH & Co. KG

Birkenwaldstraße 94
70191 Stuttgart
Germany
Tel. +49 (0) 7 11-2 57 78-0
Fax +49 (0) 7 11-2 57 78-40

OSMIROL GmbH

Birkenwaldstraße 94
70191 Stuttgart
Germany
Tel. +49 (0) 7 11-2 57 78-50
Fax +49 (0) 7 11-2 57 78-60

NÜSSLE GmbH & Co. KG

Iselshauser Str. 55
72202 Nagold
Germany
Tel. +49 (0) 74 52-9 32 05-0
Fax +49 (0) 74 52-9 32 05-20

info@bongroup.de
www.bongroup.de