

**BLANCO**  
GERMANY

**Industrial Components**

Custom-tailored solutions – made by BLANCO CS



Perfection in form and finishing.  
Industrial Components from BLANCO CS.



What has been completed usually looks very simple. As it should. But there is a lot to do before an automobile gets its distinctive look or a sink has the desired design.

Quality begins with selecting optimum materials. We use advanced technologies, modern production lines and secure expertise to finish the materials.

In addition, we offer our customers technical consultation from the development phase up to the finished unit in its customised packaging.

Stainless steel is the material of many industries. We are pleased to make the best of it.

**BLANCO CS offers you the utmost competence in many production processes:**

- Decades of experience in deep-drawing technology
- Recrystallisation annealing
- An ultramodern sheet-metal machining centre for stamping and folding
- TIG and plasma welding with robots, spot welding, electric-arc stud welding, laser welding, hand welding process
- Mechanical and electromechanical surface treatment



**A bright performance.**

This radiator grille owes its radiant appearance to the highest mastery of deep drawing, welding and polishing – a stainless steel business card from BLANCO CS.



## **Teamwork from the start.**

Those who are investing look for competent partners. At BLANCO CS, we know how to give industrial components the shape to fulfil their function. Therefore we already consult our customers during the development phase upon request to optimise production processes and lower costs.

## **Absolutely hygienic.**

Sometimes only manual work will do. So that a bandsaw for butcher shops withstands the high pressure, it is made of particularly thick material – in the respective desired size. The seamless finishing meets the highest hygienic standards.



### **The heart of the bakery.**

Large loaves of bread or small bread rolls – baking is love as well as high-tech. We supply stainless steel interiors with impressive dimensions for this. They are welded seamlessly, with narrow radii and are dimensionally stable.



### **An extensive interior layout.**

Complex assemblies such as the interior layout of a dishwasher require the highest degree of forming. Deep-drawn and edge parts are combined cleverly, while welded assemblies are sealed tight and inspected.

**From the bottom up.**

The one-piece bottom for dishwashers goes through several drawing stages. Intermediate annealing restores the ductility of the metal – a secret of the durability of these products.



**A lot of steam from a little energy.**

Our interiors for steam ovens are delivered to the customer as complete assemblies. A patented welding process facilitates seamless connections between the drawn parts. We have taught this to our robots – now they manufacture entire series of them. We give the front a finishing grinding to match the high-gloss interior. The selection of a thin, light material helps to save energy.

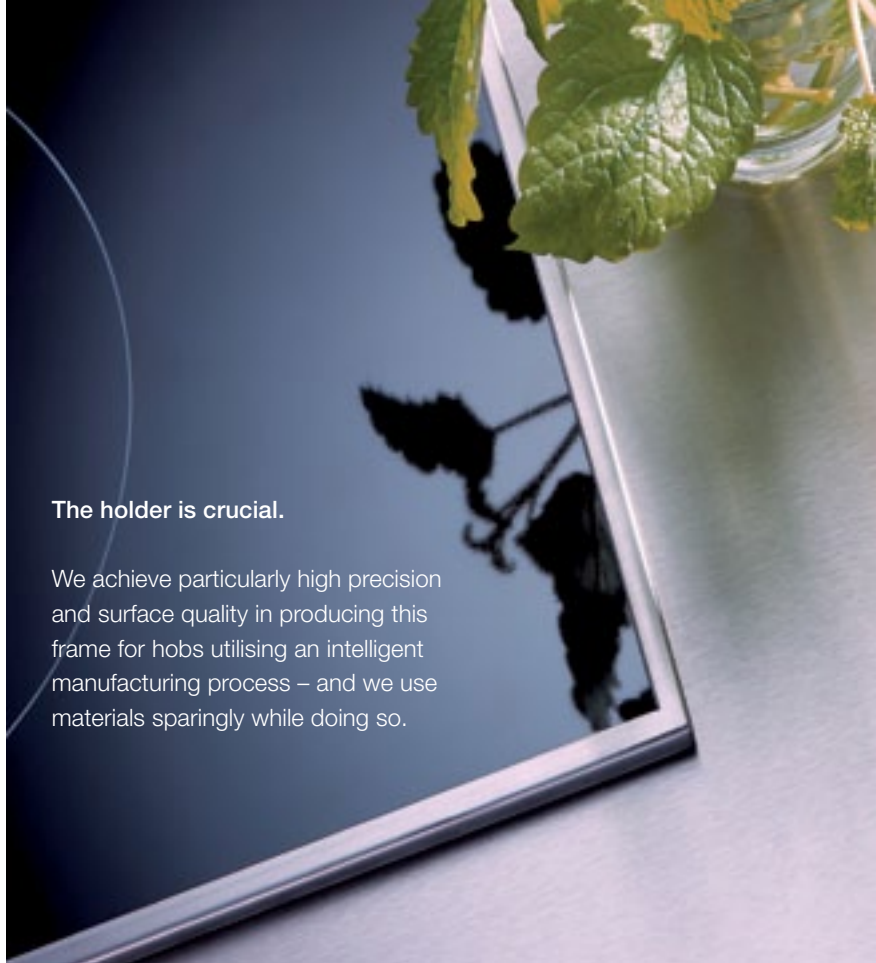
## Stainless steel in top form.

Our in-house toolmaker's shop makes many things possible today which seemed impossible even just ten years ago.

In this way we realise extreme contours and complicated forms without weld seams, and we produce robot-welded assemblies with high repeat accuracy and the utmost precision with many variants and various finishing techniques.

### The holder is crucial.

We achieve particularly high precision and surface quality in producing this frame for hobs utilising an intelligent manufacturing process – and we use materials sparingly while doing so.



### An orderly process.

When 60 litres of air and a litre of water are sucked up to a vacuum station at lightning speed, optimum forming without weld seams is necessary.

The vacuum WC from Roediger Vacuum GmbH is a result of a sophisticated combination of deep drawing, annealing and forming so that it withstands a thousand times the extreme load.

## Quality for a long time.

Our objective is the highest level of product quality. It defines each of our work processes – whether manufacturing for the food service industry, households or the automotive industry. We produce as sustainably as possible with resource-conserving processes.

### Showering more beautifully with stainless steel.

Elegant design skillfully realised. The shower element with its satined surface enhances its perfect appearance and minimises cleaning effort.



### Handy for the kitchen.

The good stuff goes in the pot, and the rest in the waste tray. Developed to fit perfectly for high-quality sinks, the deep-drawn part impresses with its polished surface and excellent finishing.



**Capable of working at heights.**

Light, seamless and glass-bead blasted – that's how the wash-basin of the Dasell Cabin Interior GmbH takes off with Airbus. The combination of deep-drawn and edge parts utilises each millimetre for a high degree of comfort. Fillets instead of narrow edges ease hygienic care.



**Carefree entry.**

The extremely close tolerances between underide guards and bumpers on automobiles require maximum precision. Sophisticated visible parts with a high degree of forming are produced on modern production equipment.





## BLANCO CS – Your partner.

The BLANCO CS Group currently generates an annual turnover of approximately 100 mil. Euro (status of 02/2011) and has approximately 600 employees, with the E.G.O. Blanc und Fischer Group holding a majority share of it. This includes subsidiaries in Germany, Belgium, France, Great Britain, Austria, Switzerland and the Czech Republic.

BLANCO CS is well-known for its profound know-how and first-class service in all phases of project management. Our customers benefit from the individual order processing and decisions made with short lines of communication.

In the Oberderdingen plant, industrial components are produced from stainless steel with a high degree of mechanisation. Particularly products requiring a lot of manual work are manufactured in our plant in the Czech Republic. Special synthetic parts are realised in our Leipzig plant with thermoforming technology.

Our corporate success is based on the competence, creativity and integrity of our employees. They ensure the established quality of our products with their dedication and enthusiasm. The result is quality made by BLANCO CS.

### The beauty of our toolmaker's shop.

On the five-axis milling machine, we process difficult free-form surfaces in a single setting. Records from the programming station access the machine online and control the milling process. Forming tools, clamping and centring devices, trimming tools and devices for welded assemblies originate here – also made of hardened tool steel.



### Robot-assisted deep drawing.

A fully-automatic deep drawing line has made BLANCO CS known outside the German borders. The parts are deburred after the stainless steel boards are deep drawn. The subsequent finishing of the deep-drawn parts to assemblies is particularly appreciated. BLANCO CS supplies them to sectors such as the food service, automotive and aircraft industries.



### The hot practice of treating elegant steel.

In order to achieve a high degree of forming, the original crystal structure is restored in in-house conveyor annealing furnaces at temperatures of 1024 °C. We reach optimum annealing results under continuous monitoring of the process parameters.

### Lasting connection guaranteed.

Continuously adjustable, seamless and with complex robot programs – welding in Oberderdingen is carried out with TIG, laser, plasma, MAG and 3-D laser processes. Our welding robots with continuously adjustable clamping devices enable complex finishing in reproducible quality.



### Whatever we can do with metal ...

... we can also do with synthetics. In our Leipzig-Engelsdorf plant, we manufacture components from synthetics for the medical field and professional catering. Enormous drawing depths and accuracy are possible in synthetic finishing with this thermoform machine.



### Safe on the way to the customer.

We have developed our own expertise for packaging. No one knows the shapes and characteristics of our components better than we do as their manufacturer. Thus we can get each product on the way perfectly protected. We prefer to develop multi-functional reusable packaging for this purpose in order to conserve resources.

## Threefold market-orientated, simply sound.

BLANCO CS GmbH + Co KG concentrates on the needs of professional target groups with its three business units Catering Systems, Medical Care Systems and Industrial Components.

### Precision in perfection.

The Industrial Components business unit manufactures individually made components of stainless steel, aluminium and synthetics using innovative process engineering and proven production know-how.

Upon request we offer complete system solutions, from technical consultation in the development phase to precisely manufactured components and well sophisticated packaging.

The in-house CAD tool design, toolmaker's shop, modern production equipment, and highly-trained employees are guarantors for the quality of the parts made by BLANCO CS.

### At BLANCO CS, you take centre stage.

All of BLANCO CS's divisions have DIN EN ISO 9001:2008 certification, guaranteeing a maximum of reliability and customer orientation.

## Our team will be happy to advise you:

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# BLANCO



### Composed brilliantly.

This heat exchanger consists of various types of heat-resistant, corrosion-free stainless steel. The precision part combines nearly all the skills of the stainless steel industry: deep drawing, edging and laser welding. The intelligent clamping device for welding is considered to be a top constructive performance. The quality control concludes with a leak test.