

# GERMAN MANUFACTURER HARBECK OVENS • COOK STOVES





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# WHO WE ARE - AND WHAT WE DO

### **About us:**

We are a medium-sized crafts enterprise, headquartered in Tettenweis (Germany / Lower Bavaria / rural district of Passau), in the field of metal structure and artistic blacksmiths.

With 40 employees, we display the highest level of craftsmanship, aided by state-of-the-art technology. About 50% of our production covers cook stoves and ovens, while the rest includes steel construction, stainless steel processing, brass processing and metal craft. The company is a family business.

## **Product range:**

We manufacture all metal parts of your oven and more:

- Frames, hotplates, handrails
- Fire doors, heating doors, ashpan doors, fireboxashpan doors, cleaning access, masonry heater doors
- Wood storage compartment on rollers or built-in frame with telescope extract
- · Ovens with or without muffle, with or without
- Water reservoirs
- Oven accessories like cooking grids in stainless steel and cast iron grates, baking sheets
- Fire irons, firewood storage racks made of stainless steel
- Kitchen worktops in stainless steel etc.

# ORDERING ON THE BASIS OF 'MODULAR CONCEPT'

# How to place an order? How to make a price request?

We manufacture individual products in accordance with customer requests. Every single piece is hand-crafted and unique. We do not have a uniform price catalogue as no product is like another.

Our 'modular concept' allows you to customise your desirable product. Every product, whether it is a fire door or an oven etc. is available in different materials and designs. In addition, you are free to determine the size – there is no limitation. In the following sections, you will find various models in standard and variant finishes. These are the most wanted and most purchased versions of our models.

Please keep in mind that you are absolutely free to choose the material, decoration, size and model details. Our models should be regarded as easily modifiable samples.

# **Specifications of the product:**

Send us a sketch of your desired product with the exact measurement through e-mail or fax and we will provide a tailor-made offer for you within a short period of time.

- Which product would you like? (e.g., fire door)
- Which decoration would you like for your product? What is the name of the model? (e.g., Model Ha-Wei)
- Is it a standard version or a variant? (Our models can be viewed from page 9 onwards)
- Is it a version with or without air damper? With or without a viewing window?
- What is the dimensioning? Does your specification refer to the tiles dimension or the outer dimension?
- Which kind of hinges would you have for your door? Right-hinged or left-hinged?
- What is the depth of the oven muffle?
- What would be the material of the frame or the hotplate?
- Which kind of handrail and handrail brackets would you like? Please specify the model and the diameter.
- Would you like wall-mounted stop rails for the frame?
- Would the stop rails be loose or solidly fastened to the frame?

# Personal details:

- With which wholesale trade do you cooperate?
- Please mention your name and company address, with phone, fax and e-mail contacts. Thank you very much for your help!

# WE ARE THERE FOR YOU...

YOUR **CONTACT** FOR EVERY OVEN AND COOK STOVE REQUEST.

# **KLAUS AND GABRIELE HARBECK**

Master metalworker & Diplom-Kauffrau univ. (university diploma in business administration)



YOUR HARBECK PRODUCTION TEAM

Harbeck Family jr.

# **WILLY HARBECK**

Artist blacksmith



YOUR HARBECK **ADMINISTRATION TEAM** 







Mrs Gmeiner Mrs Schwarz Mrs Sievers

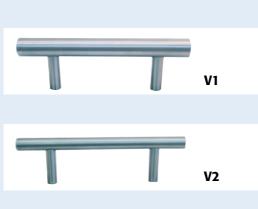
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# TOPIC HANDRAILS



You can choose between round or square-cut handrails from a variety of finishes: Stainless steel, iron, brass, copper or glass.

Suitable handrail brackets lend a touch of class to your kitchen. They can make your kitchen look retro or contemporary, depending on the design.

The shown models have a standard size of 15 or 22 mm. Custom-made products are also available.















# **Topic frames & hotplates**

We provide frames and fitting hotplates in individual sizes and materials. In general, the eye lid cover should be placed at the centre of the firebox.

It can be equipped with additional rings, if requested.



# Material of hotplates:

- Heat-resistant steel, ground and polished
- Heat-resistant steel, graphitised blackened
- Rustproof stainless steel, ground and polished
- Rustproof stainless steel, glass bead blasted

# Hotplate thickness:

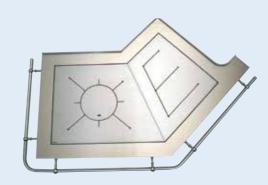
- 6 mm 8 mm 10 mm
- Up to 25 mm for wood burning cook stoves for professional use see page 24

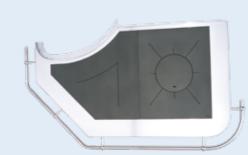
# Material of frames:

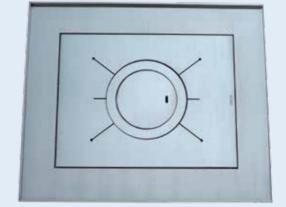
- Heat-resistant steel, ground and polished
- Heat-resistant steel, graphitised blackened
- Rustproof stainless steel, ground and polished
- Rustproof stainless steel, glass bead blasted
- · Brass nature, ground
- Brass high-gloss polished
- Brass antique = artificially aged

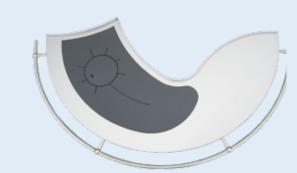
# Extra:

We can stamp your company name or customer name, embossing it anywhere on the oven (e.g., along the margin of the hotplate).























# TOPIC HOTPLATE RESTORATION

We restore the old hotplate of your existing cook stove. Soiled, rusted surfaces are radiated, ground and polished again so as to render them a new look. In addition, we offer to graphitise your hotplate afterwards.



# Info baking and graphitisation process = blackening

Hotplates are extremely heated up with a burner to open the pores of the material. At that point, graphite paste is applied on the hotplate. With the cooling down of the hotplates, the pores close and absorb the paste. Thus, graphite paste and hotplate are merging.

The result: Hotplates with matte black finishing.

Graphite paste is not varnish or anything similar, but a natural product made of graphite.

**Tip:** Small soilings on blackened hotplates can be treated with graphite paste by the stove maker or the customer themselves. Clear away the soilings with a scouring pad and apply the paste on the still warm hotplate. This will make the hotplate look as good as new.

However, there are only limited possibilities to restore hotplates. Sometimes, there is no point in restoring a hotplate. Often, the hotplate is already deformed too much, or hopelessly rusted, and soiled. In such cases, we manufacture a suitable new hotplate. Please choose from the materials and material thicknesses described on page 7.



# MODEL **OBERSTDORF** STANDARD

This cook stove not only spreads comfy warmth, but also changes your kitchen into a comfortable sitting room. The concept of the model Oberstdorf is based on the combination of precious stainless steel frame parts, with discreet black inner surfaces. This classical type of oven construction fits different kinds of kitchen furniture and living room creations. The hand-processed metal parts can be combined with tiles or stones, and they lend a touch of individuality to your living room.





Standard Version

- Frame and wing in stainless steel
- Wing panel, graphitised in black, with a slight silver patina
- Handle and button in stainless steel
- With air damper, with round notches











# THE SPECIAL STOVE

# MODEL **OBERSTDORF** VARIATION WITH BRAZEN CORNERS

This variant of the model Oberstdorf is fascinating because of its brazen corners, applied on the black inner surface of its high-grade steel frame. The brazen button, which fits the overall picture, puts another expressive accent.

This small variation of the standard model makes your cook stove appear extraordinary.



Variant 1	Like the standard model, with additional <b>brass corners</b> on the wing panel
Variant 2	Like the standard model, but its handle and buttons are made of brass, instead of high-grade steel

## Oven with double-leaf doors Model Oberstdorf, Variant 1+2

# MODEL **HA-WEI**

For this model, we use brass treated with a special artificial aging procedure. The brass thus assumes a warm tone which does not change anymore. You can also choose the variant with all components graphitised black or the variant in high-grade steel.

**Tip:** We are able to manufacture the hearths curved inward or outward. Thanks to the convex or concave form of the components, your cook stove looks extravagant!





Variant 1	All visible parts are <b>graphitised black</b> , not brass antique
Variant 2	All visible parts are <b>high-grade steel</b> , not brass antique













# MODEL WENDELSTEIN STANDARD 1, WITH 'ROUND CORNERS'

The model Wendelstein distinguishes itself by particularly formed metal sheet inserts. You have the choice between **'round corners'** of the door panel (= Standard 1), or **'oblique corners'** of the door panel (= Standard 2).

The metal sheet inserts of both the versions are available in polished brass, brass antique, copper or graphitised black (see variants).



Firebox-ashpan-chamber curved inward (concave formed)
Variant 3 = copper insert





Firebox-ashpan-chamber with the central part consisting of tiles
Variant 2 + 4 = brass insert and brass button

# • Frame and wing in high-grade steel • Insert graphitised black ('round corners') • Handle and button in high-grade steel • Air damper, with round notches



Fire door Model Wendelstein Variant 2 + 4

Variant 1	Like the standard model, but insert is in <b>polished brass</b> , instead of graphitised black
Variant 2	Like the standard model, but insert is in <b>brass antique</b> , instead of graphitised black
Variant 3	Like the standard model, but with <b>copper</b> insert, instead of graphitised black
Variant 4	Like the standard model, but with <b>brass</b> button, instead of high-grade steel

# MODEL UPPER BAVARIA (OBERBAYERN)

The model Upper Bavaria stands for tradition and homely feelings. The frames of the door wings are ground brass. Due to the choice of this material, the oven emits warmth and cosiness. Pure living comfort!

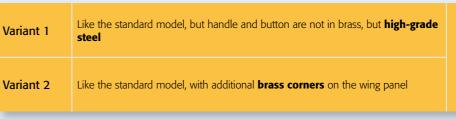


# Standard Model

- Frame in high-grade steel
- Wing in ground brass
- Wing panel graphitised black
- Handle and button in brass
- With air damper, with round notches



Fire door Model Upper Bavaria Standard





Oven Model Upper Bavaria Variant 2

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Every model is also available without air damper.

Every model is also available without air damper.

Every model is also available without air damper.



# MODEL LOWER BAVARIA (NIEDERBAYERN)

The model Lower Bavaria allows big air crosssections, depending on the size of the firebox. If requested, the viewing windows can be sand blasted



or decorated with corner fittings. The sober and clear design makes every model of the series Lower Bavaria a unique piece.



Our model Lower Bavaria slightly modified – in the version brass antique (Variant 2). Also the frame is held in brass antique. The hotplate is graphitised black. Additional rivets are applied on the fire door as visual highlights.



Standard Model	<ul> <li>Frame, wing, wing panel in high-grade steel</li> <li>Wing panel insert: Robax glass panel of 6 mm</li> <li>Handle with button in high-grade steel</li> <li>With air damper with angular notches, adjustable backwards</li> <li>With rotary handle, providing an airtight seal</li> </ul>	Fire door Model Lower Bavaria Standard
Variant 1	All visible components are <b>graphitised black</b> , instead of high-grade steel	
Variant 2	All visible components are <b>brass antique</b> , instead of high-grade steel	
Variant 3	Like the standard model, but handle not with button, but as <b>a high-grade steel ho</b>	ollow pipe

# MODEL RUSTIC (RUSTIKAL)

# IRON AT ITS BEST

The riveted forge technique lends to this model a remarkably stable character and thus this cook stove adapts itself optimally to a rustic living room.

All metal parts are blackened (= graphitised and heat-resistant) and therefore maintain their surface optics for long time.

**Tip:** Information about the graphitisation process on page 8.





# Standard Model

- Frame graphitised blackWing graphitised black with riveted decoration
- Door hinges graphitised black with extended hinges
- Handle graphitised black, without rivets
- Locking button in high-grade steel, wood or brass
- Without air damper



Model Rustic Standard

Like the standard model, but with air damper, with round notches

Every model is also available without air damper.











# MODEL **SELLA BLUE**

For the model Sella Blue, you can choose the enamel insert of the high-grade steel door in every RAL-colour. In this manner, you can adjust the insert exactly to the colour of the tiles or your kitchen furniture. Whatever colour you have, we realise the enamel insert in the closest fitting RAL-colour.

The foot frame, which is folded in one-piece with the pre-formed and slightly reset base parts, provide stability. Also, this base frame is constructed to help it easily adapt to the measurement of the tiles. A stove hearth which not only brings more warmth, but also a lot of life in your living room.





# Standard Model

- Frame, wing, wing panel in high-grade steel
- Enamel insert with bevelled edges, available in every RAL colour
- Handle and button in high-grade steel
- With air damper, with round notches



Fire door Model Sella Standard

Variant 1

Like the standard model, but handle and button are not in high-grade steel, but **brass** 

# MODEL **REHA**

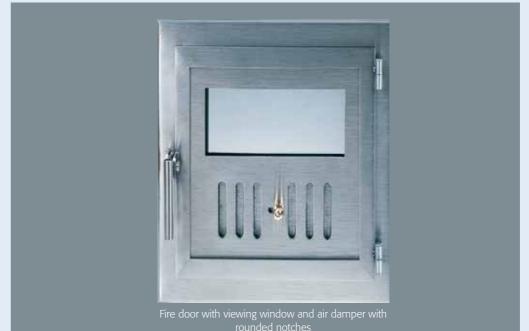
# MODERN FUNCTIONALITY

Modern design, solid craftsmanship and a traditional basic concept have inspired us in developing this model. You can choose different materials (see variants). Due to our manufacturing flexibility, the model Reha can be metamorphosed in accordance with your choice.

**Tip:** As almost all of our hearths, we are able to curve the model Reha inwards or outwards.



Oven with viewing window and thermometer



Standard	
Model	

- Frame, wing, wing panel in high-grade steel
- Insert of the wing panel: Windowpane, Robax of 6 mm
- Handle high-grade steel hollow tube
- Only available with air damper, with rectangular or rounded notches



Fire door Model Reha Standard

Variant 1	Like the standard model, with the wing panel not in high-grade steel, but <b>graphitised black</b>
Variant 2	All visible components not in high-grade steel, but <b>graphitised black</b>
Variant 3	All visible components not in high-grade steel, but <b>brass antique</b>



# MODEL ELLIPSE

The following elements of this model are elliptical:

• The eye lid cover

18

- The glass panel of the glazed door (viewing window of the door)
- The air slits of the fire door

**Tip:** We deliver the complete cook stove with elutriated metal base in any colour on request.





Stove Model Ellipse Variant 3 (brass antique)

# Standard Model • Frame, wing, wing panel in high-grade steel, with ellipse-shaped notch • Insert of the wing panel: Windowpane, Robax of 6 mm • Handle with button in high-grade steel



Variant 1	Like the standard model, with the wing panel with ellipse-shaped notch not in high-grade steel, but in <b>brass</b> polished	
Variant 2	All visible components in <b>graphitised black</b>	
Variant 3	All visible components in <b>brass antique</b>	
Variant 4	Like the standard model, but handle not with button, but as a high-grade steel hollow pipe	

# MODEL **HARMONY** (HARMONIE)

# THE FEELING OF BELONGING THROUGH **HARMONY**

This through-the-wall stove combines a curved line with a clear design. The handrail, which is curved in the front, picks up the round element of the hotplate. Also, the round-bodied wood storage compartment adapts itself harmoniously to the continuous front made of high-grade steel.

Our model Harmony appeals at first sight because it exudes a chilling compactness and a feeling of security. Enchant yourself by the contrast between forms and materials.

















# MODEL ST. MORITZ

This model presents itself in a simple but modern anthracite, combined with high-grade steel elements. The curved parts of the cook stove around the corner are especially nice. Thus, you can observe the fire from different perspectives. The generous wood storage compartment offers enough place for large amounts of wood. Moreover, this timeless cook stove falls back on a traditional element of stove construction – the eye lid cover that consists of several rings. With the eye lid cover lifter, you can raise every single ring separately and adjust the heat supply for the cookware.

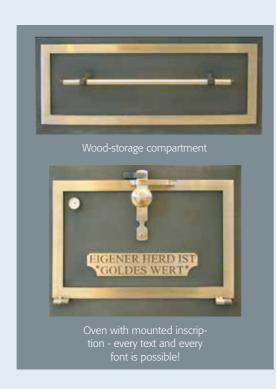




# MY OWN COOK STOVE...



Handle made of high-grade steel (hollow tube because of heat generation)



# TOPIC INSERT BOILER / WATER JACKET

We manufacture water jackets of every size to suit the fire door (screw-fastened), complete with heat exchanger and height adjustable gridiron. All connection possibilities for pre-flow and intake, drain connection coupling and thermal sensor are integrated.

Furnishes available in heat-resistant steel, alternatively hot-dip galvanised, or in rustproof high-grade steel.

Our company possesses the certified manufacturer's qualification for the welding of steelwork parts also for sector ovens and stoves.



Cut representation with internal copper spiral





# TOPIC COPPER WATER RESERVOIR

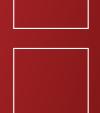
The body of the water reservoir is generally manufactured in copper. Alternatively, it can also be ordered completely in high-grade steel. The emptying tap is available in brass or chrome. The Harbeckwater reservoir is equipped with an opening for cleaning purposes at the top and a filling hopper with flap. The inner lining of the reservoir is completely made of rustproof high-grade steel with a built-in frame.

The standard dimensions possess 35, 42, 46 and 50 litres of water-filling property. Customised versions are also possible.



The frontage is antique copper, but also available in every material.























# CLEVER SYSTEMS WITH A ROBUST STRUCTURE

An excellent meal can only be prepared in an excellent kitchen. That is why a great base plays an important role – both for a meal and for a kitchen. We compose all components like frame, chambers, corner strips and base parts into one element. Thus, a stable basic structure for your kitchen is formed, which enables a short built-up time by the stove maker and guarantees stability for many years.



On request, we equip all small heating plants with a compact kit for combustion of fresh air from outside. You can continuously mix fresh air and ambient air.











# TOPIC MASONRY HEATER DOORS

Our doors can also be used as masonry heater doors. Our material cross-sections are very solid and therefore the doors are absolutely distortionfree. The heat-resistant glass withstands extreme exposure. Every door is generally equipped with a heat sign and a double sealing.

With pleasure, we manufacture for you custommade masonry heater doors. Such doors are available with or without air damper, in oversizes, curved or straight and on request of course also in special optics.

# The following materials are available:

- V2A ground
- V2A high gloss polished
- V2A glass bead blasted
- Brass ground
- Brass high gloss polished
- Brass glass bead blasted
- Heat-resistant steel graphitised (in black or black-grey)



# **BRAZEN MASONRY HEATER DOOR**

The outer built-in frame is massive brass ground and polished, with the thickness of 8 mm. The door wing is massive steel, with the thickness of 8 mm and therefore is distortion-free. The surface is graphitised black and brass colour patinated.

# **HIGH-GRADE STEEL MASONRY HEATER DOOR**

# with air damper

Built-in frame and door wing are made of massive high-grade steel, with the thickness of 8 mm and therefore

# Regarding both doors:

The glass is thermal-shock resistant and solidly seated on a double sealing. The air damper can be adjusted continuously backwards by a rotable grip. Well tightened, the door is sealed hermetically.



# TEMA WOOD BURNING COOK STOVES FOR PROFESSIONAL USE

This stove shows the full range of our skills. Our products are available also in oversizes and in different combinations. It goes without saying that quality and optics of customer-specific special solutions remain constantly good.

This stove for professional use in canteen kitchens is characterized by its solid structure. The stainless high-grade steel parts have a thickness of 8 mm and are therefore absolutely distortion-free. Due to the underfloor flue pipe, the stove can be mounted free-standing and be used from all sides.

Instead of four single ovens, this stove disposes of two big continuous ovens stretching the entire length of the broadside. The two ovens can be loaded from both sides through four trapdoors.



# Elements of this stove / all parts made of high-grade steel

- Frame cut from one-piece (with our water jet cutter)
- Modern handrail, model V5
- Water reservoir with filling hopper and drain exhaust (outlet tap)
- Two big wood storage compartments
- Two big ovens
- Heat storage warming compartment for dishes
- Firebox-ashpan-chamber with air damper
- Quartered hotplate with expansion slots over the firebox with eye lid cover

Material hotplate: Highly heat-resistant high-class steel, ground and graphitised surface

# **Customised versions for gastronomy**

Thickness hotplate: 15 mm

For strongly claimed stoves of restaurants we offer hotplates up to a thickness of 25 mm. As material for that kind of strongly soiled hotplates we use special high-class steel with a tolerance of extreme high temperature (made in Germany). This steel distinguishes itself due to high heat resistance and longevity, ensuring long-term and permanent use.

# Continuous ovens

# TOPIC WATER JET CUTTING

# How is it cut?

Water is accelerated to the speed of sound and pressed with a pressure of 4,200 bar by a special nozzle. In this way, the water jet can cut with a cutting width of only few tenths of a millimetre. Surfaces up to 3 m x 1.5 m and up to 200 mm thick material can easily be processed. The eco-friendly cold cutting process provides burr-free cuts with sharp cutting edges and a small cut joint without any thermal stress on the material. Moreover, there is no hardening of the cutting edges and thus long service life of the tool is possible while milling, drilling and turning processes in the cutting edge area. We cut on the basis of your CAD plans in the dxf format or design these plans ourselves by using your sketches, texts, drilling or milling drafts and jigs.

### To whom we offer our service?

We cut short runs from individual units. The prices are calculated for each order individually - based on size and material. We supply to industrial customers as well as major customers, and also accept single orders from tilers, glaziers and carpenters with

Send us your sketches, plans or jigs, and we will help you with pleasure.

# Your advantage?

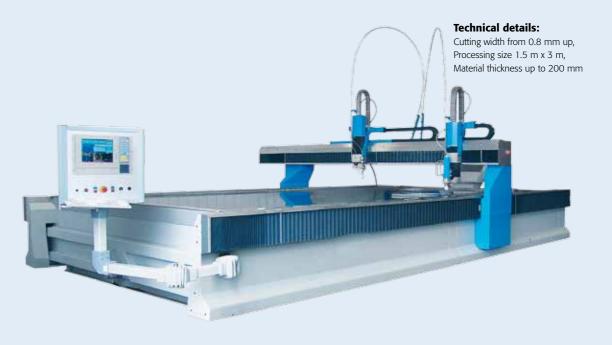
- Burr-free and distortion-free cut no post-processing is necessary
- Short delivery time and the highest quality
- Top price-performance ratio
- No hardening of the cutting edges, thanks to the cold cutting process

# What materials can be cut by this process?

- Metal (steel, high-grade steel, aluminium, brass and titanium)
- Stone (e.g., granite, marble) and tiles
- Ceramic materials and glass
- Plastics
- Rigid foams and soft foams
- · Graphite, wood, rubber

# Location of the water jet cutting plant?

The water jet cutter plant is situated at our company in Tettenweis (Lower Bavaria, rural district of Passau). The cutter does not only help our own production, we also offer cutting services to external clie nts.































# TOPIC FIRE-SCREEN DOORS AND AIR VENTS

With the purchase of fire-screen doors and air vents from Harbeck you choose true craftsmanship. We do not buy any part, every element is still handcrafted. That is why you are free to customise your stove. We can cut individual year dates, logos, family crests, ornaments, personal signs out of the doors, apply ornamentation in other materials to them or integrate ornaments beautifully.

Besides contributing to the creation process, you are free to choose from the following materials:

Forging grade steel, massive bronze, massive brass, massive high-grade steel or graphitised blackened steel.

Tip: We manufacture straight as well as curved doors, with inward or outward radius.

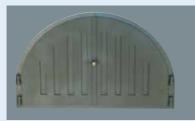


Model K1 / massive brass





Model 2 X / high-grade steel



Model 02 / black iron



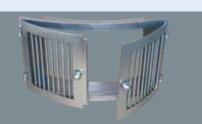
Model 2-0 / bronze patinated



Model K4 / massive brass



Model K4 / side view



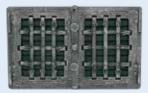
Model high-grade steel curved



Model 1-R / bronze patinated



Model 2-R / silver patinated



Model T4 / silver patinated

# TOPIC FIRE-SCREEN DOORS AND AIR VENTS

# INDIVIDUALLY & CUSTOM-MADE



# TOPIC **OVEN FEET**

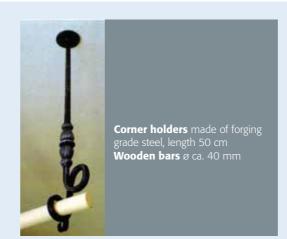




# The following materials are available:

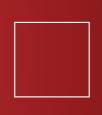
- High-grade steel
- Copper
- Blackened steel

# TOPIC OVEN DRYING RACKS THE SPECIAL EXTRA



Oven drying racks made of forging grade steel, available in every length: Corner holders, single conduits or wall-mounts. **Hand-planed wooden bars** are also available in every length.



















# GERMAN MANUFACTURER HARBECK OVENS • COOK STOVES

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