



PT-DB-TSS02

DB ENCLOSED / RIBBED-SIDE DESIGN

PT-WZ-TSS03

WZ SIDE-WINDOW VIEWING DESIGN

FLAMEBUILT

TENT STOVE SERIES

PROJECT-CONFIGURED PRODUCT FAMILY

TWO STYLES, CONFIGURED TO YOUR PROJECT

Choose the structure first, then confirm size, viewing windows, guards and accessories.

FLAMEBUILT
STRUCTURE & CUSTOMIZATION

TWO STYLES. ONE PROJECT WORKFLOW.

Choose the structure first, then confirm drawings, samples, testing, production and packing.

CHOOSE THE TENT STOVE STRUCTURE

A ENCLOSED / RIBBED-SIDE

PT-DB-TSS02 — Front viewing glass

B SINGLE / DOUBLE SIDE WINDOW

PT-WZ-TSS03

1 START WITH ANY ONE OF THESE INPUTS

- **BUYER DRAWING** — 2D / 3D file or specification
- **BUYER SAMPLE** — Physical sample for measurement
- **KEY REQUIREMENTS** — Size, structure and key options

2 ENGINEERING REVIEW
Confirm structure, size, process and option compatibility

DRAWING APPROVAL — Revise drawing

3 QUOTATION & PROTOTYPING
Confirm scope and pricing · Build prototype

4 PROTOTYPE TESTING
Assembly · burn condition · air / flue · stability — Adjust and retest

5 SAMPLE APPROVAL — Rebuild sample
Buyer-approved sample controls production

6 MASS PRODUCTION
First article · in-process inspection · production run

7 PACKING & DELIVERY
Color box · manual · shipping marks · carton plan

Final configuration, testing and production controls follow the approved drawing, specification and sample.

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CORE PRINCIPLES

HOW THE TENT STOVE SYSTEM WORKS

Controlled air intake, firebed combustion, sectional flues and fold-flat transport in one system view.

CONTROLLED COMBUSTION × FOLD-FLAT INTEGRATION — CORE TENT STOVE PRINCIPLES

One shared chain connects air intake, combustion, flue draft and compact transport; each main SKU adds its own structural focus.

A · SHARED SYSTEM: FROM CONTROLLED AIR INTAKE TO COMPACT TRANSPORT

Vent count, viewing windows and reinforcement vary by model. Airflow direction, sectional flues and folding logic are shared.

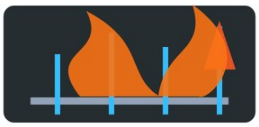
1 CONTROLLED FRONT AIR



Change the effective opening area

Vent count remains model-specific

2 FIREBED AIR + COMBUSTION



Air crosses the firebed; hot gases rise under chimney draft

3 SECTIONAL FLUE



Installed sections create a continuous smoke path

4 FOLD-FLAT TRANSPORT



Fold external parts and split flues for carrying

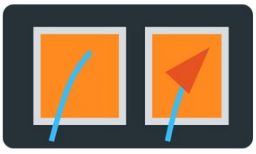
SHARED ENGINEERING CHAIN
Adjustable intake → firebed distribution → fuel reaction → chimney draft

TRANSPORT CHAIN
Fold external parts + split flues → reduce transport volume and loose-part handling

B · ONE CORE SYSTEM, TWO STRUCTURAL DEVELOPMENT PATHS

Model-specific structures are not presented as standard features across the series.

PT-WZ-TSS03 · AIRFLOW & VIEWING FOCUS

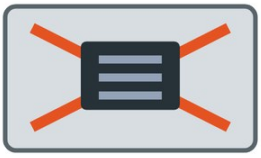


Front + side-window viewing

- Central slider adjusts air intake
- Side-window curtain helps reduce soot contact
- Single or double side-window project options

Focus: combustion control + flame visibility

PT-DB-TSS02 · PANEL STIFFNESS & IN-FIREBOX STORAGE



Ribbed enclosed side panel

- Rib geometry helps broad panels resist flexing
- X ribs are one example; other forms can follow drawings
- Flues and accessories can pack inside the firebox

Focus: structural stability + integrated transport

C · BOTH ENGINEERING WINDOWS MUST BE MATCHED

COMBUSTION WINDOW
Effective intake ↔ fuel load ↔ chimney draft

PACKING WINDOW
Accessory envelope + clearance ≤ usable firebox volume

CURRENT EVIDENCE STATUS
Structures photographed; performance values pending tests

IMPORTANT: No efficiency, emissions, glass-cleanliness, thermal-deformation, packing-savings or service-life claim is made before testing.

D · BUYER VALUE

More controllable burn condition
Front air adjustment reduces the need to open the fire door only to tune the burn.
Actual effect depends on fuel, installation and chimney draft.

More organized transport and setup
Folded external parts and split flues reduce loose-part handling.
Final packing follows the model and approved packing list.

One platform, two development paths
WZ emphasizes viewing and airflow; DB emphasizes stiffness and storage.
PROJECT CUSTOMIZATION AVAILABLE

Sources: approved PT-WZ-TSS03 and PT-DB-TSS02 visuals, specification summary and buyer-confirmed project notes. Principle diagram; not to scale.

Principle diagram, not to scale. Performance claims require project testing and confirmation.

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STANDARD FEATURES

INCLUDED WITH EITHER STYLE

Both styles include top cooking, airflow adjustment, sectional flues and a stainless steel body.



TOP COOKING & DUAL SIDE RACKS

The top supports cooking; both side racks hold food or tools temporarily.



FRONT AIRFLOW ADJUSTMENT

The front slider changes the intake opening.



SECTIONAL FLUE SYSTEM

Flue sections pack compactly; elbow and damper follow the project specification.



STAINLESS STEEL & LASER-CUT DETAILS

Steel grade, finish and corrosion performance follow project specifications and testing.

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STORAGE & PACKING

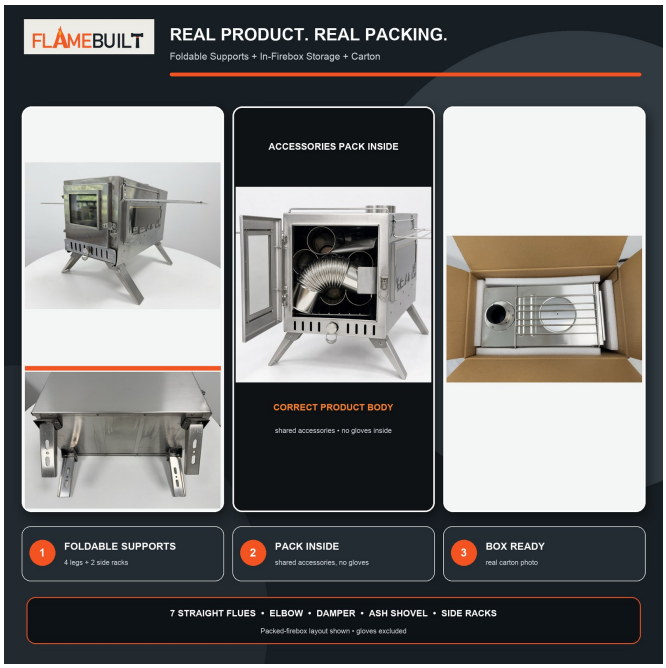
IN-FIREBOX STORAGE & FOLD-FLAT PACKING

Accessories can pack inside the stove; legs and side racks fold. Final packing follows the order.



ACCESSORIES PACK INSIDE

Flue sections and accessories can pack in the firebox; final contents follow the order.



FOLDING SUPPORTS & CARTON

Folded supports, accessory storage and carton packing are confirmed by project.

Packing images explain the storage path; accessory quantity, packing material and carton method may vary by project.

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PT-DB-TSS02

STYLE 1: RIBBED SIDE PANEL & FRONT-GLASS AIRFLOW

Ribbing increases broad-panel stiffness. X ribs are one example; other geometries can follow the drawing.



PT-DB-TSS02 | X-RIB EXAMPLE

Ribbing increases side-panel stiffness and helps reduce flex during handling and use.



PT-DB-TSS02 | FRONT-GLASS AIRFLOW

Guided airflow helps reduce soot contact; results vary with fuel, operation and flue conditions.

The image shows an X-rib example. Straight, diagonal and other rib geometries can follow the approved drawing. Final stiffness and deformation control follow project specifications and testing.

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PT-WZ-TSS03

STYLE 2: SINGLE / DOUBLE SIDE-WINDOW VIEWING

Front glass is standard. Choose one or two side windows; decorative cutouts follow the project drawing.



STRUCTURE	FRONT GLASS	FIRE VIEW
Single / double side window	Standard	Front + one / two side windows

Confirm side-window quantity, decorative cutouts, dimensions and other options on the configuration page.

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PT-WZ-TSS03

HIGH-TEMPERATURE GLASS & SIDE-WINDOW AIRFLOW

View the fire from the front and side. Glass grade, temperature and thermal-shock performance require project testing.



500-600°C HEAT & WATER THERMAL SHOCK

Front and side viewing; specific glass grade and performance follow project testing and approval documents.



SIDE-WINDOW AIRFLOW

Guided airflow helps reduce soot contact; results vary with fuel, operation and flue conditions.

The 500-600°C and water thermal-shock statements are claims shown in the source visual. Production projects require confirmed glass specifications and test documents.

www.flamebuilt.com

FLAMEBUILT
PROJECT OPTIONS

CHOOSE SIX PROJECT OPTIONS

After choosing the structure, confirm size, ash drawer, side glass, cutout, tent rope and side guards.

01



SIZE

Body / open / packed / carton

02



ASH DRAWER

Yes / No

03



SIDE GLASS

None / one / two

04



DECORATIVE CUTOUT

None / standard / project design

05



TENT ROPE

Yes / No

06



SIDE GUARDS

Two-side guard option

FOR REVIEW AND QUOTATION, PLEASE PROVIDE

STRUCTURE

DB / WZ

TARGET SIZE

Body / open / packed / carton

OPTIONS

Six options / compatibility

MARKET & ORDER

Market / qty / branding / tests

WZ CONFIGURATION NOTE Side windows and two-side guards cannot be selected together. Final configuration follows the approved specification, drawing and sample.

REFERENCE SPECIFICATIONS FOR BOTH STYLES

For initial comparison only. Final specifications, packing and compliance requirements follow the project.

COMPARISON ITEM	PT-DB-TSS02	PT-WZ-TSS03
Structure	Enclosed side / ribs	Single / double side window
Front glass	Standard	Standard
Side configuration	Enclosed side panel	One / two side windows; or guards
Open size	405 × 540 × 2110 mm	405 × 540 × 2110 mm
Packed size	405 × 205 × 265 mm	405 × 205 × 265 mm
Reference net weight	6.9 kg	6.9 kg
Reference thickness	1.5 mm	1.5 mm
Flue reference	7 × φ60 × 300 mm	7 × φ60 × 300 mm
Carton reference	445 × 265 × 320 mm	Confirm by project

Note: WZ side-window viewing and two-side guards are mutually exclusive. Selecting guards removes side glass and side racks.

FLAMEBUILT

APPLICATIONS

TENT HEATING & TOP COOKING

Typical use directions. Installation, ventilation and clearances follow the target market and tent-system requirements.



TENT HEATING | TOP COOKING | WINTER CAMPING | NIGHT CAMP

Safety boundary: Installation, tent-wall penetration, floor protection, combustible clearances, ventilation and operation must follow target-market requirements, the tent-system instructions and project documents.

TWO PLANTS. ONE IN-HOUSE CHAIN.

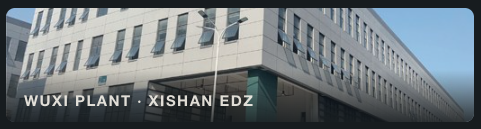
PROTECH designs, tools and manufactures outdoor-cooking equipment on its own lines in Jiangsu, China — laser cutting, CNC forming, metal spinning, hydraulic pressing, robotic welding and assembly all run in-house, under one quality chain.



STAMPING SHOP — HYDRAULIC PRESS LINE IN PRODUCTION

KEY EQUIPMENT ON SITE

- **CNC fibre laser** sheet cutting
- **CNC press brakes** — sheet bending
- **Metal spinning** lathes — domed bodies
- **4-column hydraulic presses**
- **6-axis welding robots**
- **Projection / spot welders**



WUXI PLANT · XISHAN EDZ

2 PRODUCTION BASES
WUXI · TAIZHOU

10,000 m²+ TWO PLANTS
COMBINED AREA

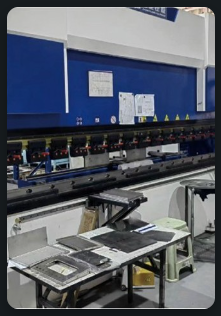
6 IN-HOUSE
PROCESS STAGES

IN-HOUSE PROCESS CHAIN

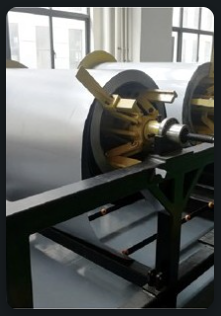
photographed on our own lines



01
Laser cutting
CNC sheet blanking



02
CNC forming
Press brake bending



03
Metal spinning
Seamless domed bodies



04
Hydraulic pressing
Deep-draw & die forming



05
Robotic welding
Repeatable seam quality



06
Assembly & QC
Projection weld, unit check

QUALITY SYSTEM

ISO 9001 quality management

Certificate scope on request

PRODUCT TESTING

ETL · CE · LFGB · REACH · RoHS · EMC

Issued per model and per sample — not a blanket claim

EXPORT MARKETS

North America · Europe · Asia · South America · Middle East · Africa · Australia

Serving brand owners and importers worldwide

OEM / ODM

Drawing & Design · Sampling · Mould Development · Custom Packaging

Project customization from concept to production

WHAT WE BUILD

- Kamado & egg grills
- Pizza ovens
- Pellet & temp-controlled grills
- Smokeless fire pits
- Tent & wood stoves
- Camping BBQ & racks
- Burners & igniters

HOW WE WORK WITH YOU

OEM / ODM Build to your drawing, or co-develop from concept.

Materials Stainless steel, cast aluminium, powder-coated steel.

In-house R&D, die design, tooling, production, delivery.

Testing Model-specific third-party reports on request.

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Wuxi: Rongqiang Rd 6, Xishan EDZ · Taizhou: Health Industrial Park 12#, Gaogang

Combined plant area of the two facilities, per company records. Process photographs taken at our own facilities. Third-party test reports are issued per model and per sample — scope available on request.

OUTDOOR COOKING & CAMPING BRANDS
CHOOSE OUR BUILD.

Cast and fabricated metal parts, welded assemblies and finished units for the outdoor-fire category — tooling, sampling and production run on our own lines, to each buyer's drawing and inspection standard.

9	7	3	6
PARTNER BRANDS	MARKETS *brand home markets*	CONTINENTS	OUTDOOR CATEGORIES

KVASS

JAPAN MARKET
Camping BBQ & fire pits

ROCKY Outdoor Gear Store

UNITED STATES
Camping & outdoor gear

FOX

UNITED KINGDOM
Portable BBQ

BLAU FISCH

RUSSIA
Tent & wood stoves

YOK™

UNITED STATES
Kamado accessories

VEBA

NETHERLANDS
Fire pits & kamado

Rise Creation

JAPAN
Fire pits & portable BBQ

FORNO VENETZIA

CANADA
Wood-fired pizza ovens

SLR INTL

UNITED STATES / CANADA
Outdoor cooking distribution

PRODUCT LINES WE BUILD

- Tent / wood stoves
- Fire pits
- Folding portable BBQ
- Kamado accessories
- Wood-fired pizza ovens
- Outdoor cooking distribution

Brand names and marks are the property of their respective owners and are shown for product-category reference only. Cooperation scope per signed PI/PO.

START WITH THE TENT STOVE STYLE

Start with a drawing, a sample or your key requirements.

01 **REQUEST REFERENCE INFORMATION**

Get reference specifications and available options for both styles.

02 **REQUEST CONFIGURATION REVIEW & QUOTATION**

Send the target market, estimated quantity and option requirements.

03 **START AN OEM / ODM PROJECT**

Enter engineering review with a drawing, sample or key requirements.

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Email / Phone / WhatsApp

Final scope, price, MOQ, lead time and testing are confirmed for each project.