Single product hero render

Heritage HX Compact

Compact, gently convex enamel-look front fascia with horizontal satin-nickel trim band; rounded top and chamfered vertical edges to evoke 1950s domestic appliances while remaining compact and contemporary. Front face organized into central control bay, left and right visual balance with right-side wand recess and raised fascia lip protecting wand grip.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.

Industrial design ideation

Heritage HX Compact

This development applies the selected Heritage HX Compact concept directly: the HX boiler and grouphead layout appear in assembly views as a rear/base-mounted brazed copper cylinder with an internal HX tube feeding the front grouphead; the grouphead and removable portafilter are shown in exploded assembly and service views illustrating mechanical fastener interfaces and service access through the bottom-rear panel.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.



Product renderings and views

Heritage HX Compact

Concept envelope locked as target: nominal 300 mm width × 365 mm depth × 350 mm height (concept only). Front-to-back mass distribution favors rear-located boiler and base-mounted chassis. Two-cup stepped drip platform providing two discrete cup footprint positions across the 300 mm width.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.

PRJ-NPD-000006 / Bellona Duo — retro espresso station / Revision 4

Packaging design

Heritage HX Compact

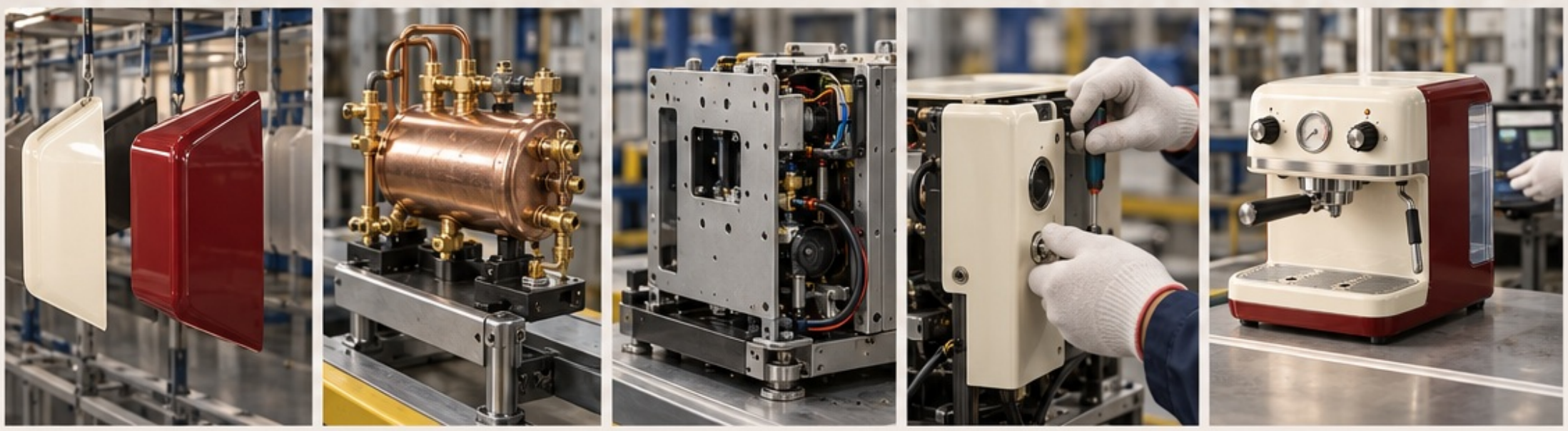
Primary shell: high-build powder-coat finish to achieve enamel appearance; suggested palette: porcelain-ivory fascia option and deep-oxblood side panels as primary colorways with satin-nickel horizontal trim. Trim: stamped satin-nickel plated steel (control bezels and horizontal band). Drip grate: brushed stainless steel. Wand grip: overmoulded silicone (dark tone). Reservoir: BPA-free food-contact thermoplastic in translucent/opaque finish. Controls: dark fluted rotary knobs with subtle amber indicator lamp.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.







PRJ-NPD-000006 / Bellona Duo — retro espresso station / Revision 4

Manufacturing processes and methods

Heritage HX Compact

Chassis: stamped and welded steel base plate and inner frame. Shell panels: formed/powder-coated steel panels with high-build powder finish for enamel look. Boiler: small brazed copper HX boiler assembly (in-house or supplier brazed unit) pressure-tested post-assembly. Trim: stamped satin-nickel plated steel.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.

Product in action

Heritage HX Compact

User interfaces: central fluted rotary brew switch with detents (OFF / HOT WATER / BREW), separate fluted steam dial with indicator lamp, single circular analogue pressure gauge, exposed E61-style removable portafilter handle, stepped drip platform for two cup positions, right-side removable reservoir with guide-rail interface. Service interfaces: bottom-rear removable service panel with captive screws exposing boiler unions, heating element and wiring harness; drip tray and grate removable from front without tools.

.studio

© 2026 Vessey and Vessey (Pty) Limited. All rights reserved. Confidential material supplied under the signed NDA.
No unauthorised use, reproduction or disclosure. Concept study only / Not an engineering release.