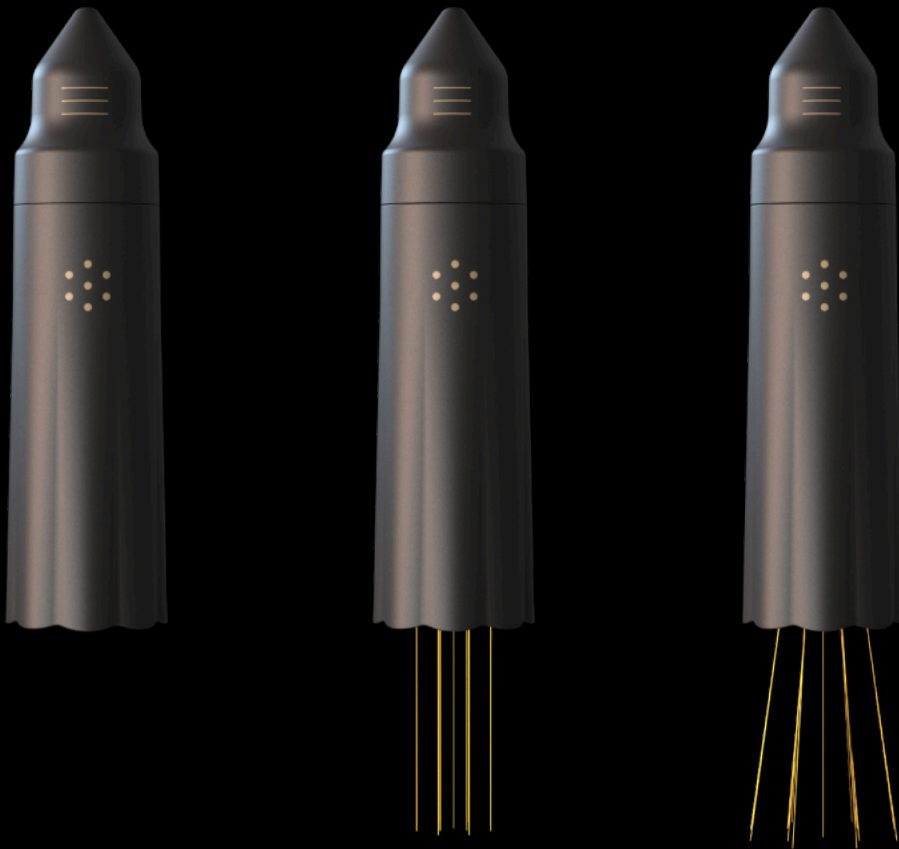


B L O O M



Features and specifications

Reseller information

nucleus
COFFEE TOOLS



Why Bloom?

The Bloom is a next-generation brew bed preparation tool, created to address one of the most overlooked but critical stages in brewing: preparing the coffee bed before the first drop of water hits.

For years, baristas and brewers have faced the same frustrations — uneven saturation, choked brews, and inconsistent extractions. Even small amounts of static, clumping, fines migration, or chaff trapped in the bed can disrupt water flow and compromise flavour.

Bloom was designed to solve these problems with one simple, repeatable process.

Improving brew bed preparation

Using its retractable mechanism and dual needle configurations, Bloom breaks up clumps, redistributes density, removes hidden air pockets, and lifts chaff to the surface.

Its specially-coated needles are available in two modes: Straight Needles and Fan Needles. In both modes, they reduce static, keeping fines evenly dispersed throughout the bed for smoother draw-downs and greater consistency.

On the reverse side, FlowTip shapes a precise divot in the bed, improving pre-infusion and minimising channeling.

Sensory elevation

The impact of the Bloom on flavour is immediate. By creating a uniform foundation for extraction, Bloom unlocks brighter aromatics, cleaner acidity, and sweeter, more defined flavours in every cup.

The result is brews that are more expressive, balanced, and consistently repeatable — whether in a café, at home, or on the competition stage.

Bloom isn't just a tool. It's a way to give brewers confidence in their process, and to give customers coffee that truly expresses its potential.





Features

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| Dual needle system | <ul style="list-style-type: none">• Two configurations: Straight Needle and Fan Needle• Straight Needles for deep reach, de-clumping, airpocket removal and density redistribution• Fan Needles for lifting chaff plus wider spread for easier batch brew application• Straight and Fan position suits all brewing devices-flat bed, conical, immersion, hybrid immersion, batch brew and espresso |
| Easy twist and retractable | <ul style="list-style-type: none">• Simple twist mechanism to switch between modes• Fully retractable for safe transport and storage |
| Customisable layout | <ul style="list-style-type: none">• Choose your needle configuration (of up to 15 needles) |
| Purpose-made Titanium Nitride Needles | <ul style="list-style-type: none">• Designed to suit coffee behaviour• Reduces static build-up from the coffee grounds• Needles are up to 8× more durable than stainless steel• Corrosion-resistant and low-friction• Maintains shape and precision with regular use• Sleek gold finish |
| FlowTip indentation tool | <ul style="list-style-type: none">• Creates a central divot to improve bed-depth consistency• Encourages even saturation from the first pour• Reduces trapped gases and turbulent bubbling during bloom• Minimises risk of channelling and enhances extraction repeatability• Designed for use across different pour styles and dripper shapes |
| Compact and portable design | <ul style="list-style-type: none">• All-in-one body with retractable parts• Easily fits into travel kits, apron pockets, or café drawers• Durable materials built for everyday use in home, café, or competition settings |
| Modular and customisable | <ul style="list-style-type: none">• Adjustable needle configuration for different brewers or dose sizes• Internal components disassemble for maintenance or reconfiguration• Professional-grade craftsmanship• Designed in collaboration with world-class baristas and brewers• Engineered for performance, precision, and reliability• Made to elevate brew quality across all preparation methods |

Specifications

- | | |
|----------------------------|--|
| Dimensions | <ul style="list-style-type: none">• Length (needles retracted) -115mm• Length (needles out) - 160mm• Needle length (total) - 67mm• Needles length (protruding from Bloom) - 45.36mm• FlowTip - 36.88mm• Width - 28.99 - 30.98mm |
| Materials | <ul style="list-style-type: none">• Body - Thermoplastic, aluminium, silicone• Needles - Titanium Nitrate |
| Approximate weights | <ul style="list-style-type: none">• Total (with needles) - 45g• Total (without needles) - 43g• Total packaging (with Bloom and spare needles) - 191g• Spare needles - 8g |



Product description (ideal for websites)

Bloom by Nucleus Coffee Tools is a precision device that transforms the way you prepare your coffee bed before brewing. In just seconds, Bloom reduces static, lifts chaff, breaks up clumps, removes hidden air pockets, and shapes a perfectly even surface—helping you achieve faster saturation, smoother flow, and consistent extractions every time.

Bloom optimises Brew-Bed Preparation, solving key problems faced in brewing for improved taste and consistency. Crafted from specialised, ultra-durable materials, Bloom's custom needles remove static, lift chaff and reduce fines migration. Smoother and stronger than traditional Stainless Steel Needles, they also resist bending or wear—perfect for daily use in cafés, competitions, or at home.

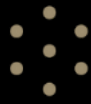
Engineered with an innovative retractable design and powered by a precision inner helix, Bloom offers two interchangeable needle modes. The Straight Needle configuration reaches deep into the coffee bed to redistribute density, while the Fan Needle configuration sweeps the top layer, lifting light particles to prevent blockages and promote a clean, even pour.

On the reverse side, the integrated FlowTip™ creates a precise divot in the coffee bed. This encourages rapid, even CO₂ release during the bloom phase, reducing bubbling and minimising channelling for a sweeter, more balanced cup.

Praised by world champions for its ability to deliver clarity and control, Bloom is compatible with cone and flat-bed drippers, immersion brewers, and espresso baskets alike.

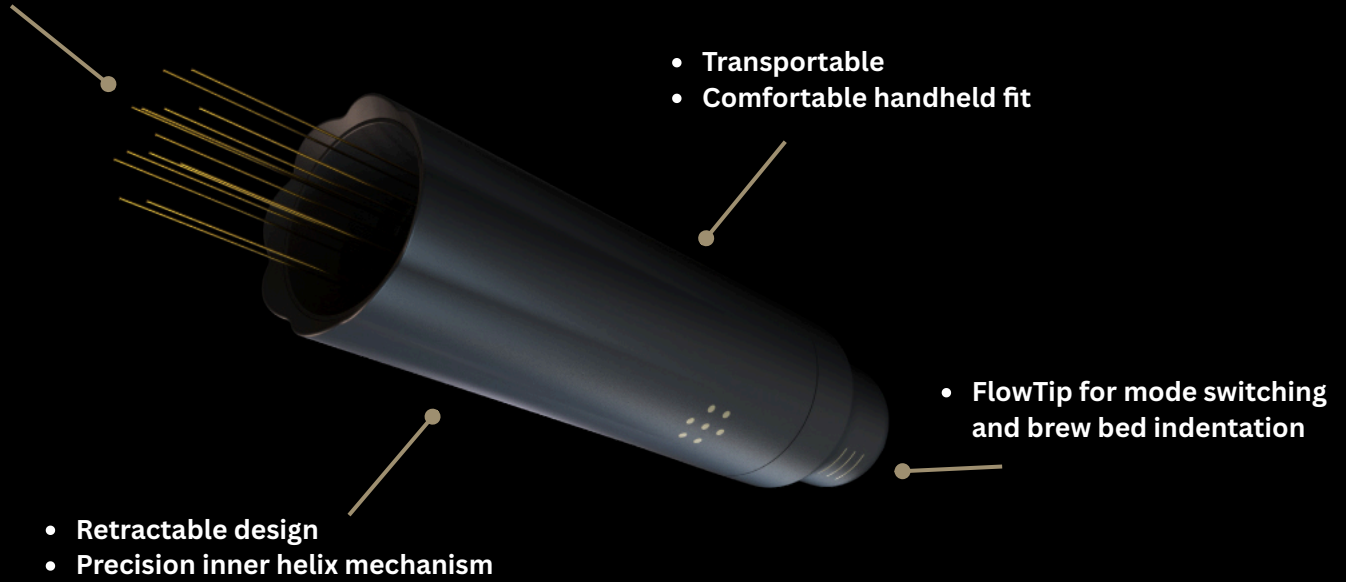
Elevate every brew with Bloom — because every great cup begins before the pour.





B L O O M

- Houses up to 15 needles
- Able to be customised and reconfigured



Retracted mode

Ideal for transport and when not in use



Straight Needles

For de-clumping, removing air pockets and distribution



Fan Needles

For de-clumping, removing air pockets and distribution; lifts non-soluble material to surface