



On-Demand Atomization Access for Advanced Manufacturing Programs



A structured approach to alloy development, trials, and controlled production—built on Continuum's Greyhound platform.

Introducing Custom Foundry Runtime (CFR)

Custom Foundry Runtime or CFR is designed to support customers working on new alloys, modified chemistries, process validation, or small-batch production programs where learning, iteration, and control matter more than headline throughput.

Instead of forcing every program into an output-based pricing model, CFR gives customers structured access to our best-in-class gas atomization foundry. The result is increased value for your feedstock, better cost visibility early in a program, more flexibility in how runs are designed, and a more disciplined path from development to production.

Where CFR creates the most value

CFR is built for programs that need flexibility. It supports customers who want to evaluate new material pathways, validate manufacturability, or run controlled production without having to justify a large output commitment on day one.

Alloy development without output pressure:

Teams can iterate on new or modified chemistries without structuring the program around per-kilogram yield assumptions.

Small-batch access for specialty materials:

CFR makes room for niche, difficult, or lower-volume programs that larger atomization providers may not have time to support.

A better path for high-value feedstocks:

When feedstock carries more value than commodity scrap, runtime-based access can unlock meaningfully better ROI.

A practical bridge to production:

Programs can begin as controlled trials and evolve into repeatable production runs under the same commercial framework.

Precious metal blends

CFR also creates a compelling path for precious metal blend programs. Because Greyhound access is structured for small-batch, controlled runs, customers can pursue higher-value alloy development and specialty production work that may not be practical in conventional atomization models.

That matters because many of these programs are too specialized or too small to attract attention in output-driven environments. With CFR, customers have a way to evaluate precious metal blends and other premium material systems that might otherwise be sold off at scrap value. In many cases, that can unlock substantially more value from the material stream than traditional scrap recovery alone.

Built for Predictability and Control

CFR is designed to bring structure to a process that has traditionally been highly customized. Each program is aligned upfront to ensure clarity around inputs, expectations, and outcomes.

Optional services, such as precision sieve cuts, can be incorporated based on program needs.



Customer-provided feedstock in a defined form factor (5" x 5" x 5", ~9 kg), Pre-alloyed powders



Atomization performed on a best-efforts basis, with yield dependent on alloy and process conditions



Full-fraction powder returned unless optional sieve cuts are specified



Trial pricing structure, with production pricing established after evaluation

Operational Guardrails

Every CFR engagement is supported by internal alignment across Sales, Operations, Quality, and Finance to ensure consistency and execution discipline.

This approach reduces variability, minimizes scope creep, and ensures a more predictable experience for both teams.



Review

All programs are reviewed prior to quotation to validate scope and expectations



Runtime

Runtime is clearly defined as machine time—not per-kilogram or per-day output



Alignment

Program objectives, constraints, and success criteria are aligned upfront



Designed for Real-World Programs

CFR is built to support a range of advanced manufacturing needs, including:

Alloy Development:

Rapid iteration of new or modified chemistries without being constrained by output-based pricing.

Process Validation & Trials:

Controlled runs to evaluate performance, parameters, and manufacturability.

Controlled Production Runs:

Structured, repeatable programs that bridge development into production.

Why CFR

By shifting from output-based pricing to runtime-based access, CFR provides:

Greater cost predictability early in programs

Increased flexibility in how runs are structured

Stronger alignment between objectives and execution

A clear path from development to production



Start Your Next Program with CFR

Talk to our team about how Custom Foundry Runtime can support your next alloy development or production initiative.



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