
TomoCell Documentation

Release 0.0.1

Argonne National Laboratory

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TomoCell contains information on environment control cell optimized for X-ray tomographic instrumentation.



CONTENT

1.1 About




TomoCell contains information on environment control cell optimized for X-ray tomographic instrumentation.

1.2 Environment Cell

1.2.1 Furnace

Type	Temp. Range	At-mo-sphere	Im-age	Commercial	Contact	Loan	Info	
In-duc-tion	up to 1000 °C	Air		No: water cooled	Pavel Shevchenko	Ask	box link 0001	1
In-duc-tion	up to 1500 °C	Air		Yes: THM 200 heater, BK power supply, PTC 10 controller, 3 AWG welding wires, plus custom water cooler	Alex Deriy	Ask	box link 0002	2

1.2.2 Pressure

Type	Temp. Range	Pressure	Image	Commercial	Contact	Info	
Teledyne ISCO 65D Syringe Pump	•	up to 20,000 psi		Yes	Mark Rivers	box link p0001	1
Teledyne 1000D Syringe Pump	120 °C	up to 12,000 psi		Yes	Pavel Shevchenko	box link p0002	1
Vindum VP-12K dual-piston Pump	120 °C	up to 12,000 psi		Yes	Mark Rivers	web link p0003	1

1.3 Contribute

If you are familiar with [sphinx readthedocs](#) and [github](#) you can add a new environment cell to TomoCell by starting a new [pull request](#).

Add reference here: _ [B1]

1.4 References

CONTRIBUTE

- Documentation: <https://github.com/tomography/tomocell/tree/master/>
- Issue Tracker: <https://github.com/tomography/tomocell/issues>

BIBLIOGRAPHY

- [B1] Happy J and Unhappy J. The best furnace on earth. *Journal of Synchrotron Radiation*, 121(16):1224–1230, 2025.