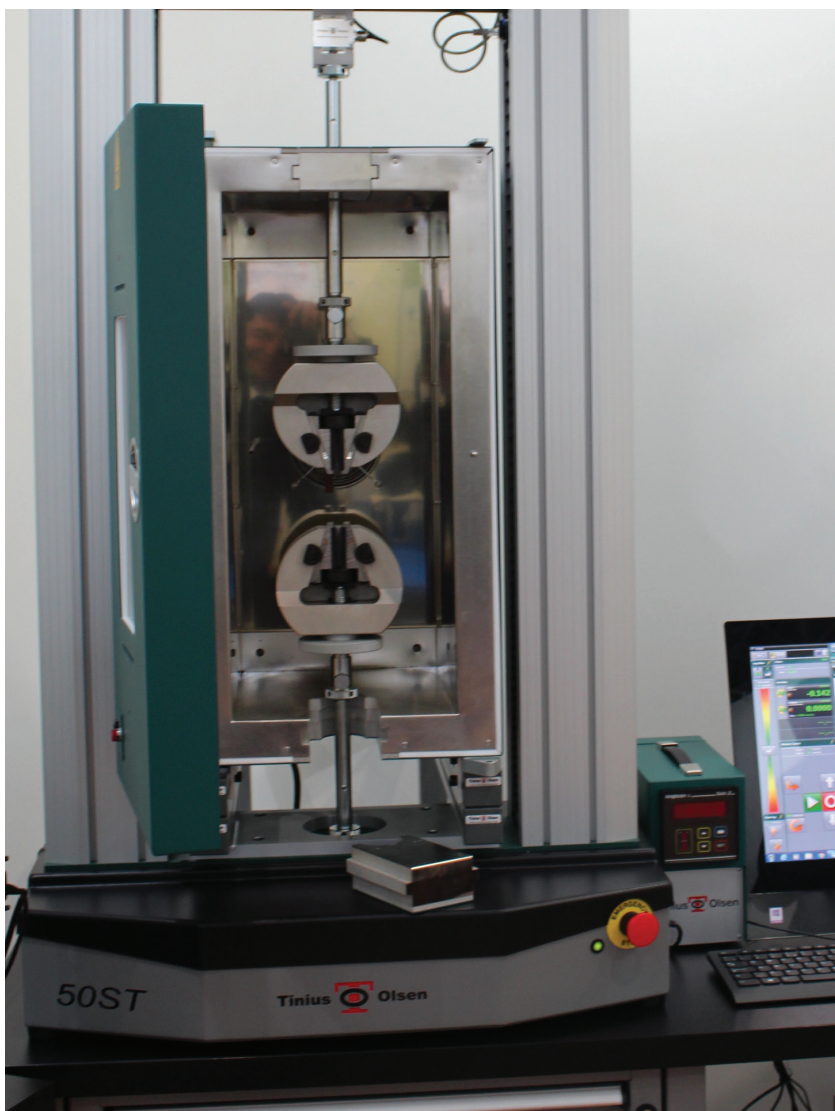


# TEMPERATURE CHAMBER

-70° to 300°C



Suitable for most twin screw materials testing machines, the Tinius Olsen Temperature Chamber provides a means for performing physical tests within a temperature range of -70-300°C (-95-570°F).

An internal radial fan provides efficient air circulation that minimizes temperature gradients throughout the chamber.

A digital controller ensures accurate temperature control. Optional sub-zero temperature testing is available via a self-pressurising liquid nitrogen Dewar.

The chamber door is fitted with a triple glazed window for viewing the test area and also scanning the sample for strain measurements when using the Tinius Olsen 500L laser extensometer. When liquid nitrogen is used, a demisting facility is fitted.

The chamber is supported on a frame located between the columns of the testing machine. When the chamber is not in use, the chamber can be rolled back and parked clear of the operating area.



## SPECIFICATIONS

Operating temperature range	°C	Ambient to 300
	°F	Ambient to 570
Optional temperature range	°C	-70-300
	°F	-94-570
Temperature gradient		+/-1°C after 30 minutes within 80% center volume of chamber
Temperature stability		+/-1°C after 30 minutes
Internal dimensions (WxDxH)	mm	250 x 245 x 605
	in	9.8 x 9.6 x 23.8
External dimensions (WxDxH)	mm	355 x 650 x 750
	in	14 x 25.6 x 29.5
Window dimensions	mm	320 x 140
	in	12.6 x 5.5
Power		110/220VAC, 50/60Hz, 3kW
Weight including controller	kg	62
	lb	137