

FTIR (8700) spectrometer

Overview

Fourier-transform infrared spectroscopy (FTIR)^[1] is a technique used to obtain an [infrared spectrum](#) of [absorption](#) or [emission](#) of a solid, liquid or gas. An FTIR spectrometer simultaneously collects high-resolution spectral data over a wide spectral range.

LMACS Name	FTIR (Nicolet 8700)
Confluence Label	
Process Area	CHARACTERIZATION
Model	8700
Vendor	Thermo Nicolet
Team	Shiau-Yin Wu Shihong Xu



System Features

Wafer Handling	pieces (mounted)	100 mm	150 mm	
Gas Species	O ₂	C ₄ F ₈	SF ₆	A _r
ICP Power	3 kW			
RF Power	300 W			
Chuck	-150 °C (min)	80 °C (max)	mechanical clamp	HBC

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