

# Spark Plasma Sintering Furnace Sps Furnace

Item Number: KTSP



## Introduction

Discover the benefits of Spark Plasma Sintering Furnaces for rapid, low-temperature material preparation. Uniform heating, low cost & eco-friendly.

[Learn More](#)

Configuration	<ul style="list-style-type: none"> <li>• Stainless Steel Chamber - Suitable for Controlled Inert Gas or Vacuum Condition</li> <li>• Sintering Press Unit</li> <li>• Sintering DC Pulse Generator</li> <li>• Vacuum Unit</li> <li>• Sintering Control Unit</li> </ul>
Temperature controller	<ul style="list-style-type: none"> <li>• Precision Eurotherm temperature controller is built in</li> <li>• Overshooting temperature is less than 5°C at the fastest heating rate</li> <li>• Temperature accuracy : &lt; 0.1°C</li> </ul>
Hydraulic Press	<ul style="list-style-type: none"> <li>• Manual operated hydraulic press to apply pressure.</li> <li>• Max pressure: 20 T</li> <li>• Digital Pressure gauge is built in with over-pressure alarm.</li> </ul>
Vacuum Chamber	<ul style="list-style-type: none"> <li>• Vertical vacuum Chamber</li> <li>• Inner Double Layers Stainless Steel Reflectors</li> <li>• Rotary Pump included</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>• Power Supply : 760 L X 460 W X 1820 H, mm</li> <li>• Furnace: 970 L X 720 W X 1400 H, mm</li> </ul>

Model	KTSP-10T-5	KTSP-20T-6	KTSP-20T-10	KTSP-50T-30
Rated power	50Kw	60Kw	100Kw	300Kw
Output current	0-5000A	0-6000A	0-10000A	0-30000A
Input voltage	0-10V	0-10V	0-10V	0-10V
Rated temperature	2300°C			
Rated pressure	100KN	200KN	200KN	500KN
Sample size	Ø30mm	Ø50mm	Ø100mm	Ø200mm
Ram stroke	100mm	100mm	100mm	200mm
Ultimate vacuum	1Pa			