

Materials List for:

# Fabric Moisture Uniform Control to Study the Influence of Air Impingement Parameters on Fabric Drying Characteristics

Zhong Xiang<sup>1</sup>, Yefeng Huang<sup>1</sup>, Xudong Hu<sup>1</sup>, Miao Qian<sup>1</sup>, Zhewei Zhao<sup>1</sup>

<sup>1</sup>Faculty of Mechanical Engineering & Automation, Zhejiang Sci-Tech University

Correspondence to: Miao Qian at [meqiaomiao@zstu.edu.cn](mailto:meqiaomiao@zstu.edu.cn)

URL: <https://www.jove.com/video/59522>

DOI: [doi:10.3791/59522](https://doi.org/10.3791/59522)

## Materials

Name	Company	Catalog Number	Comments
Air Blower	Zhejiang jiaxing hanglin electromechanical equipment co., Ltd.	HLJT-3380-TX10A-0.55	Air Volume: 900 m <sup>3</sup> /s;
Anemometer	KIMO	MP210	Measurement range: 0-40 m/s; Accuracy: ±0.1 m/s
Drying stove	Shanghai Shangyi Instrument Equipment Co., Ltd.	DHG 101-0A	precision: 1 °C; Temperature control range:10-300 °C
Electronic Balance	Hangzhou Wante Weighing Instrument Co., Ltd.	WT1002	Precision: 1 °C; Range: 100 g
Fabric Style Measuring Instrument	SDL Atlas	M293	
Fabric Touch Tester	SDLATLAS Ltd		Fabric thickness tester
High thermal resistance board	Baiqiang		Flame resistance, Heat resistance is greater than 200 °C
High-temperature resistant silicon pipeline	Kamoer	18#	Temperature range: -60-200 °C
Infrared Thermograph	Hangzhou Meisheng Infrared Optoelectronic Technology Co., Ltd.	R60-1009	Temperature measuring range: -20-410 °C; Maximum measuring error: ±2 °C
Padder	Yabo textile machinery co., Ltd.		Roller pressure: 0.03-0.8 MPa; Stable pressure; Easy adjustment
Personal Computer	Lenovo Group.	L460	
Temperature Sensor	Taiwan TES electronic industry co., Ltd.	1311A	resolution: 1 °C; Temperature measuring range: -50-1350 °C