

14. Defrosting Setup

Purpose:

- Test the defrosting performance of horizontally and vertically aligned biphilic surfaces
- Record the defrosting process from top view and side view using DSLR cameras
- Identify the optimal design of the biphilic surface that requires minimum time to clean the surface during defrosting

Specifications:

- Imaging: Canon T3i and Pentax K-30
- Data acquisition: National Instruments PXIe systems
- Thermocouple: K-type thermocouples
- Chiller: PolyScience N0772046 (0.7 – 2.9 kW Cooling)

