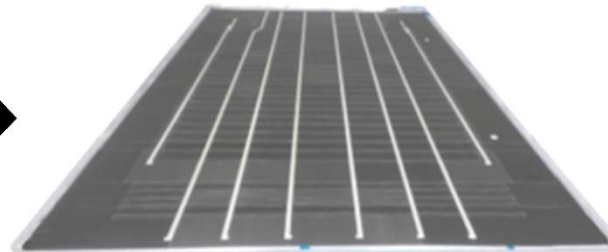
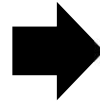

Heat Pipe Panel

■ Heat Pipe Panel

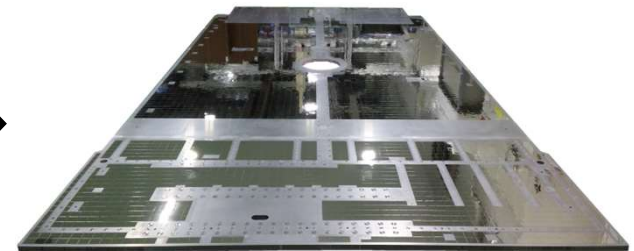
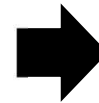
- **Heat pipe** panels being manufactured in-house under established and well-controlled process
- Typical panel size of 5 x 2.5 m, recently expanded up to 6.5 x 3.4 m
- Paint, heater and OSR installation feasible per customer requirements
- Wide allowable temperature range;
 - 40°C to +60°C as typical heat pipe operation temperature
(subject to change depending on the heat transport amount)
- Efficiency, quality, and production cost improved by means of newly introduced machines including automated insert-potting machine, plasma cleaning machine and cutting plotter.



Embedded Heat Pipes



Sandwich Fabrication



Heat Pipe Embedded Panel with OSR Installed

Heat Pipe Panel

■ Standard Panel Configuration

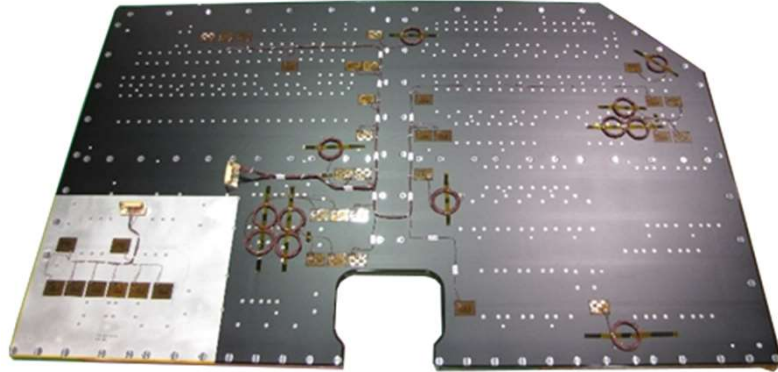
- Dimensions: up to 6.5 x 3.4 m
- Face sheet: 2024-T81 t=0.010IN, as the standard sheet
- Honeycomb core: 5056-2.0PCF、4.5PCF、8.1PCF, as standard options
Thickness heritages up to 80mm
- Heat pipe network: Embedding single tier, double tier or 3-D bending heat pipes feasible
- Insert: Various heritages with Structural insert, Integration insert, Edge insert
- Thermal control integration: Heater bonding and wiring, Black paint or OSR installation feasible
- Manufacturing versatile panel configuration per customer requirements is feasible under “built-to-print” basis.



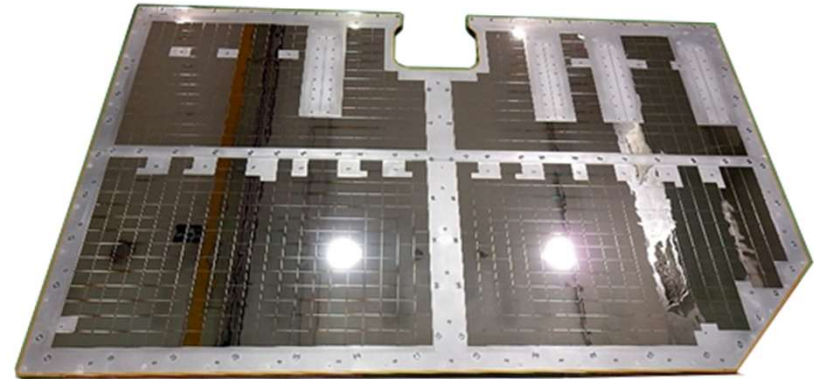
Heat Pipe Panel with OSR Installed

Heat Pipe Panel

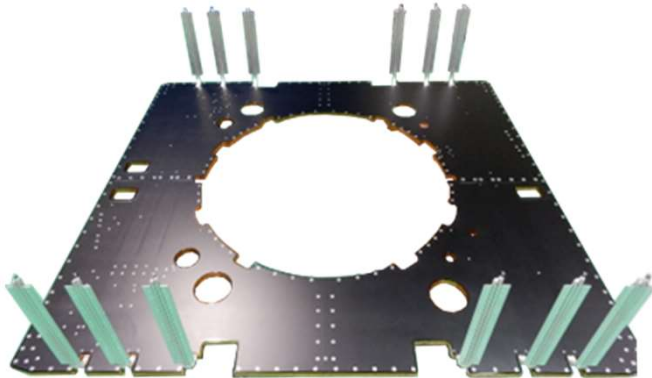
■ Panel Configuration Examples



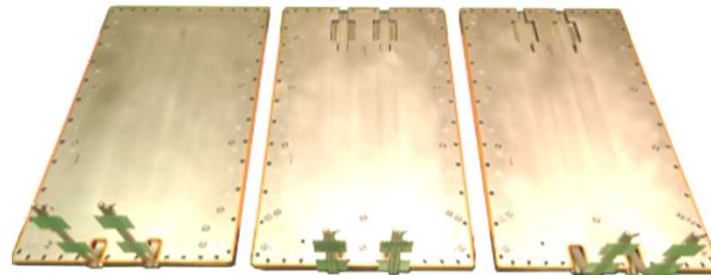
Heat Pipe Panel with Black Paint Applied and Heater Installed



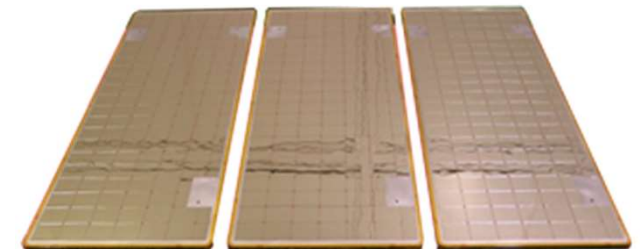
Heat Pipe Panel with OSR Installed



Heat Pipe Panel with 3-D bending Heat Pipes Embedded



Heat Pipe Panel with 3-D bending Heat Pipes Embedded



Heat Pipe Panel with OSR Installed