

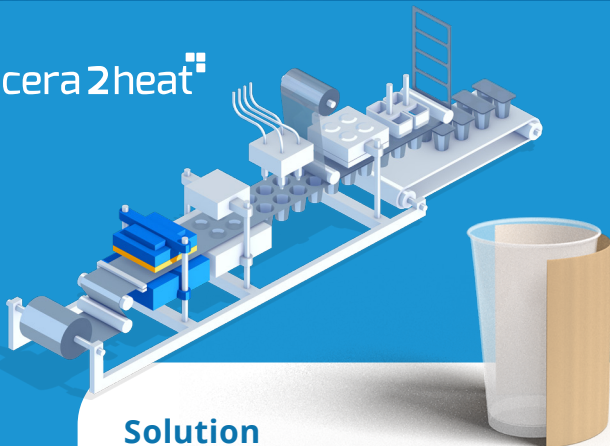
# Lamination of Molded Pulp Cups

**watttron**  
*The benchmark of efficiency*

## Matrix Round Heater



cera2heat<sup>®</sup>



## Challenges

- Lack of possibility to significantly stretch a very thin (80  $\mu\text{m}$  to 150  $\mu\text{m}$ ) film and simultaneously maintain sufficient thickness to activate adhesive
- Material-specific disposal is not possible
- Pre-stretching plug cools the film

## Solution

- Perfect material distribution and adhesion down to the bottom corner through temperature profiling, without plug assistance
- Greatly reduced heating times compared with the radiation heating
- Less machine complexity, simple process flow
- Processing of materials with small processing windows (PP, rPP, rPET)
- Energy saving (thinner film needs less energy)

## Benefits



Fast heat up and fast cool down of tools



Control of wall thickness distribution

## Contact

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