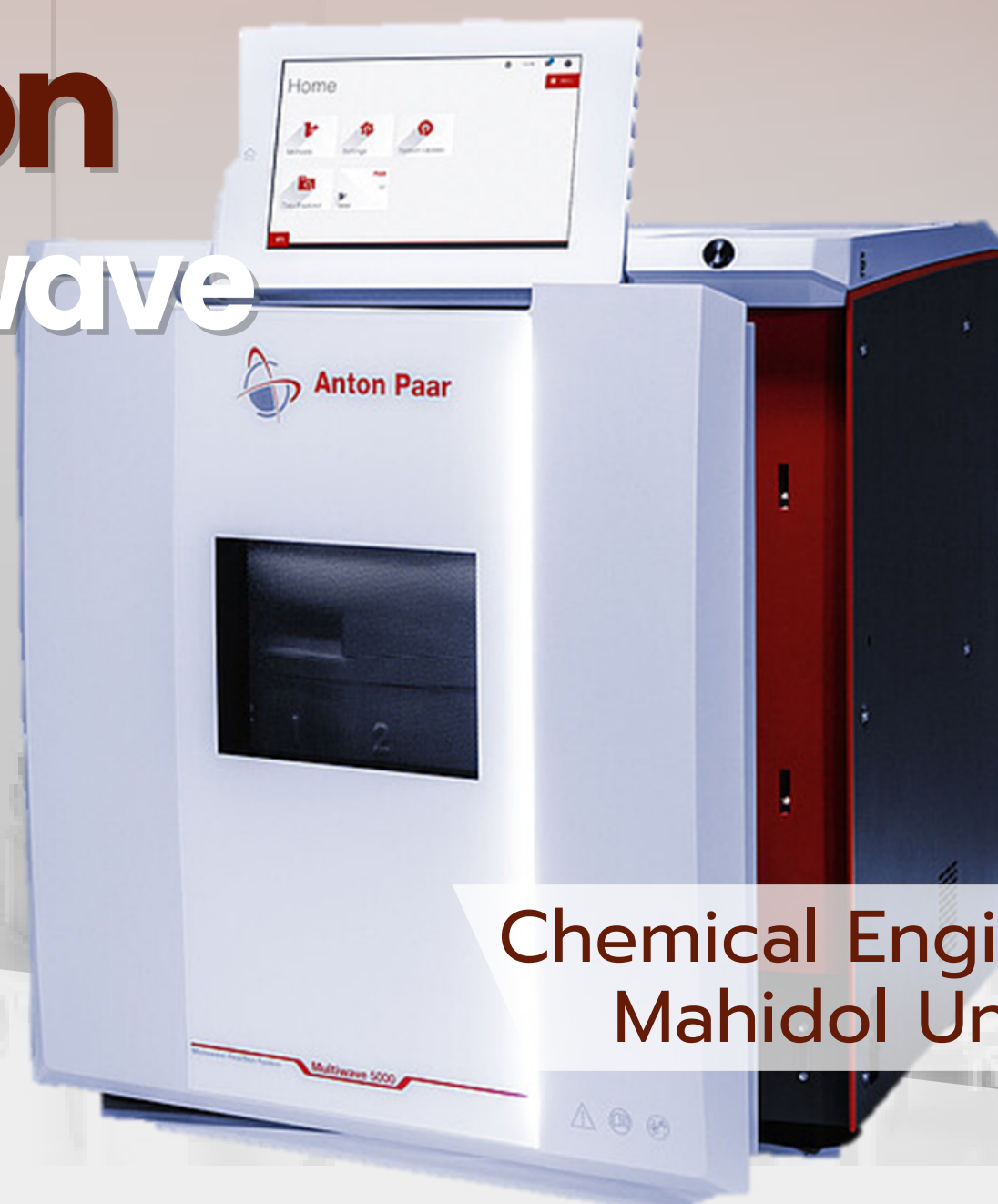


Available for Services

Microwave Digestion

Anton Paar Model: Multiwave PRO 8NXF100



Chemical Engineering
Mahidol University

Microwave digestion is a fast and safe sample preparation method, as it does not generate acid fumes that could be hazardous to users. The system operates in a closed vessel and utilizes microwave radiation to rapidly increase the temperature and internal pressure, resulting in thermal decomposition of the sample. Users can adjust the digestion temperature and duration to suit the specific type of sample.

Capabilities :

- Extracting organic compounds
- Extracting PCBs, PAHs, and hydrocarbons from environmental and food samples
- Derivatization reactions prior to analysis
- Polymer extractions
- Digesting battery materials chemicals pharmaceuticals and more

Service fees

Details	Students and staff within the university/ institute partners (MOU)	External personnel (government organization)	External personnel (private organization)
Microwave digestion	800 THB/cycle	1,200 THB/cycle	1,600 THB/cycle

***Up to 8 samples per digestion cycle. Users are required to provide their own chemicals for sample preparation.**

Contact Info



+66(0)2 889-2138 ext 6145

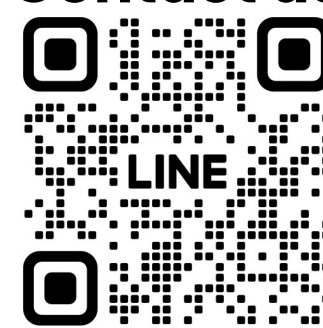


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