2245 pounds of waste is generated from 1 pound of pharmaceutical products.

GOAL STATEMENT
- Making the pharmaceutical industry greener and more sustainable by reducing waste and energy use.

MAIN ISSUES
- E Factor
- Energy Waste
- Reproducibility
- Environment Control

ULTRASOUND CRYSTALLIZATION
- Cavitations
- Narrower & smaller particle size distributions

MICROFLUIDIC REACTORS
- Precise control
- Less energy waste

PARACETAMOL POLYMORPHS
- Different crystalline structure
- Each form will react differently

ULTRAVIOLET - VISIBLE SPECTROSCOPY
- Determines concentration
- Minimally invasive

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