## Impulse-driven Capsule by Coil-induced Magnetic Field Implementation

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## Outline

- Background
- Theoretical Analysis
- Experiments and Results































Summary of Friction Force Measurements				
Capsule	Aluminum			
Sample	Rubber plate	Phantom		Plastic plate
Sample condition	Dry	Dry	Wet	Dry
Friction force f <sub>r</sub> [N] (Average of 10 measured values)	0.020	0.015	0.018	0.005
Standard deviation	0.0034	0.0021	0.0016	0.0004

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## Summary

- Smaller capsule (length 30mm→12mm)
- Thick capsule is advantageous for less heat
- Speed up achieved by new input wave form

