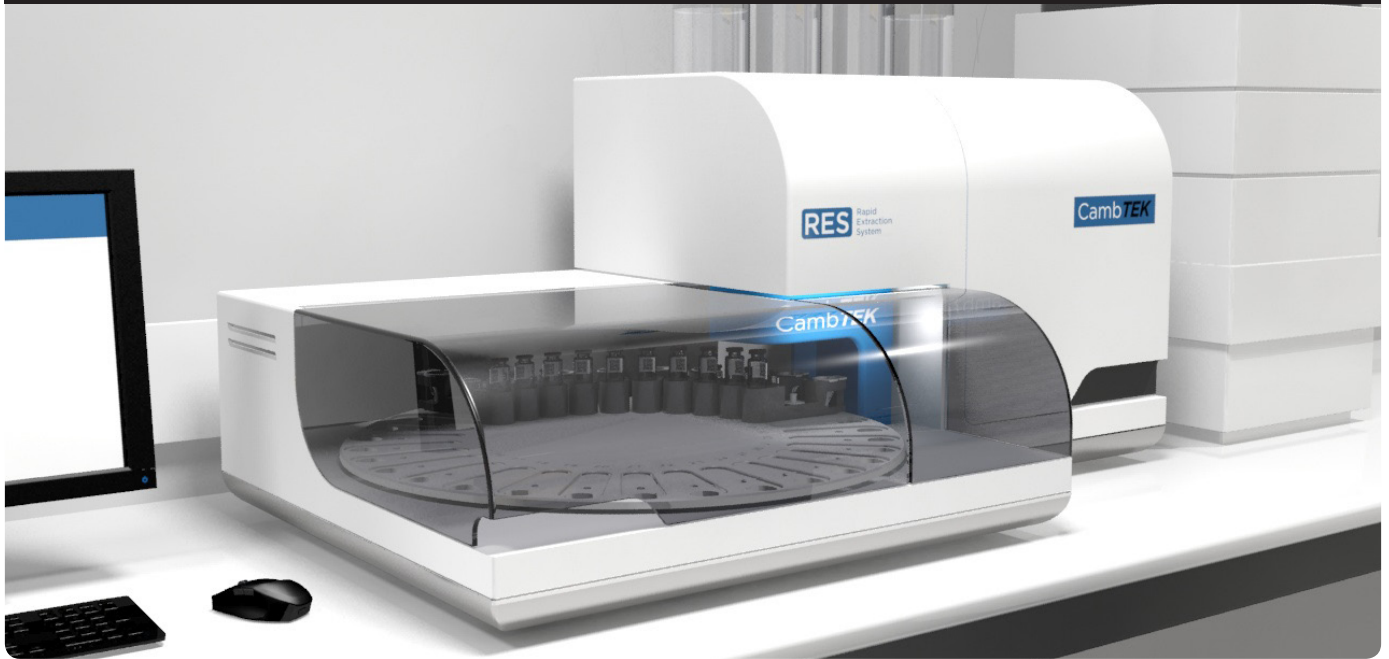# CambTEK

Sample Preparation Just Got Easy
Introducing the CambTEK
Rapid Extraction System (RES)

The CambTEK RES is designed to simplify sample preparation of solid dose forms, freeing analysts from inaccurate and laborious processes, and reducing significant bottlenecks within laboratory and manufacturing workflows.

The RES features intuitive automation for rapid and reliable results; just load and walk away for sample-in to extract-out, ready for your analytical analysis.

Improve productivity – let the RES take care of it.

Benefits
- Increased analyst productivity
- Increased laboratory throughput
- Long walk-away capacity
- Sample custody & tracking
- Improved quality control
- High reliability
- High accuracy
- Quality by design
- Reduced cost/test

Key Features
- In-process gravimetric control
- Non-invasive extraction without homogenization
- Fully automated sample-in to extract-out
- Continuous sample load
- Easy sample loading and tracking
- Intuitive user software
- Comprehensive data logging

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Technology

Using non-invasive turbulent fluidics, with a specifically designed consumable and sonic energy, the RES quickly extracts solid dose forms and gels ready for analytical analysis. Unlike homogenization, the combination of fluidics and sonication ensure high quality, precision and reliability.

Reliability is further enhanced by using high quality componentry, proven in many critical applications.

In-process gravimetric control allows at least Class A accuracy and critical analysis of dispensing and dilutions steps, offering complete peace of mind and robust, indisputable results.

Using CambTEK pucks and 2D barcode tracking removes ambiguity in sample custody, leaving no room for confusion. This enables users to quickly add samples, either as a batch or loading continuously.

Specifications

Size *(L x W x H)**	1210mm x 750mm x 700mm
Weight	80kg
Data Input	Attached PC Integrated barcode reader
Sample Types	Tablets Gels Powders
Sample Size	9cc
Sample Capacity	30 sample carousel and continuous load mode
Sample Output	22mL & 1.5mL vials (or HPLC)
Dispensing Accuracy	In-process gravimetric control to at least Class A
Sample Tracking	2D barcode
Extraction modes	Turbulent flow Turbulent flow plus sonication
User Control	Multi-user software with administrative control
Method Development	Method development software mode
Usability	Easy load pucks

*approximations

Six easy steps to sample extraction:

1 Load sample into flow cell

2 Load flow cell into puck

3 Scan & input data

4 Load puck onto carousel

5 Process sample

6 Result out

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