

# Applications

## Why use an on-deck shaker?

Mixing is an essential part of many automated liquid handling processes and shaking is often the preferred method. An on-deck shaker allows consistent replicable mixing for every sample, throughout the day.

## What to look for in an on-deck shaker?

It's vital that your shaker provides accurate and uniform shaking for every sample. Secure clamping and wide choice of disposables are important in many processes. Depending on your requirements, you may want to choose an on-deck shaker which can handle heavier loads, or which offers a choice of shaking patterns, or that can be used with other shakers or on-deck devices.

- **Size** – how big a footprint is the shaker?
- **Height** – is it low enough to use deep well plates or disposables with even higher profile when space is limited between the pipetting head and the deck?
- **Can you adjust and control the Teleshake AC USB?**
- **How adjustable is program shaking speed?**
- **What choice of pattern or amplitude do you need** – and what is available?
- **Disposables choice** – can it handle vials and deep wells as well as your preferred microplates?
- **Compatibility with other devices** – how will it connect with your existing deck?
- **Location of control unit** – integrated for simple connection and minimal space, or off-deck to connect up to six devices in parallel?

# Technology

## Strong shaking for your choice of disposables

The Teleshake AC USB delivers

- Highly integrated device - footprint of 144 x 101 mm and a height of 59.7 mm
- Automated clamping mechanism for secure shaking
- Clamping makes this suitable for wide variety of disposables, such as standard ANSI/SLAS plate formats, or other reagent containers or tubes
- Enables piercing of sealed labware and shaking of disposables with lids when using exchangeable customized clamping pins
- A wide range of adapter plates for a large field of sample plates
- Strong shaking motor for faster shaking of heavier loads
- Stepless shaking speed: up to 3,000rpm
- Orbital shaking pattern
- 2 or 3mm shaking amplitude (see product variant)
- Load capacity up to 1 kg over whole frequency range

## Controller

The integrated controller removes the need for extra electronics on or off deck and includes an LED status indicator.

## Software

API available. The Inheco Teleshake AC USB is quick to connect, and ready for future developments in your lab.

## Start-Up Software

The "Teleshake (95) AC USB Device Manager" facilitates the discovery and management of devices on the Microsoft Windows operating system through its Plug 'n Play capability, ensuring devices are instantly recognized and integrated.

## Verification

The Inheco measurement plate (IMP) is a stand-alone verification tool which enables wireless verification of temperature, humidity and shaking pattern. So when long term consistency and accuracy are critical, you can easily monitor and measure the performance of your Inheco devices.