

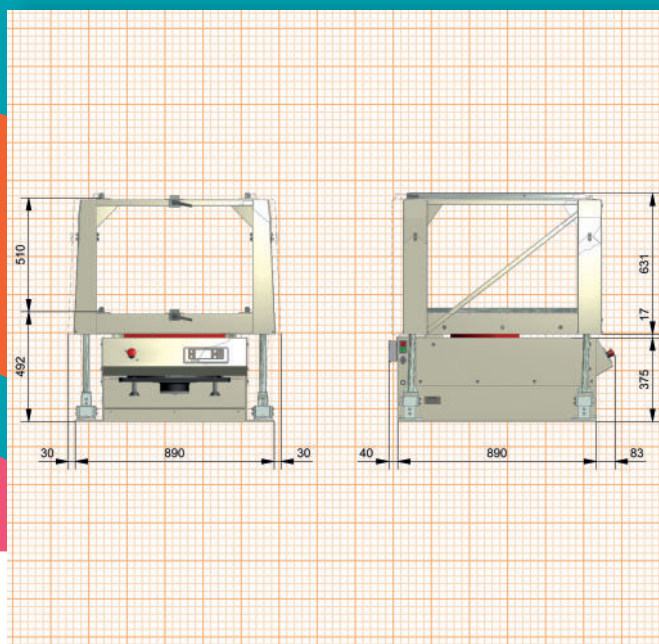
Kuhner shaker

# RC2-X (Pilot-Shaker)

High capacity shaking machine  
for heavy loads, suitable for  
temperature controlled rooms



## Dimensions



Kuhner developed the RC2-X specifically for large capacity shaking. It will accept two large C-size trays (800 x 660 mm) which can be fitted with Erlenmeyer flask clamps, test tube holders, sticky mats etc.

## Performance characteristics

- + Large capacity
- + Multipurpose loading of the C-tray
- + Ideal for temperature controlled rooms
- + Orbital shaking, max. speed 300 rpm (400 rpm on request)
- + Maintenance free, continuous operation with minimal power consumption

### Small space requirement despite largest capacity

In spite of its large capacity the RC2-X requires minimal space. It is also suitable for temperature controlled rooms.

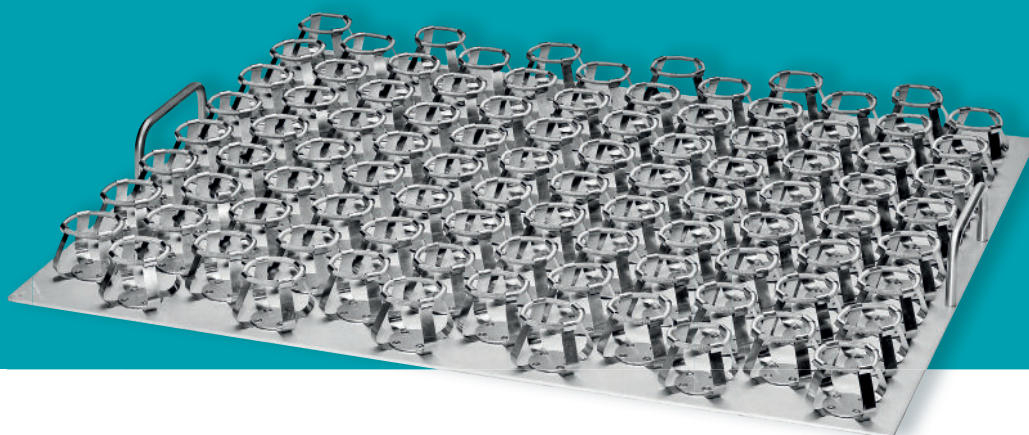
Thanks to the Kuhner direct drive, the RC2-X can be run continuously without requiring maintenance. It has a maximum speed of 300 rpm, but if you notify us before ordering, this can be increased to 400 rpm. The standard orbital shaking diameter is 50mm, although other diameters are possible to suit your specific requirements.

## Options

### IQ-OQ Documentation

IQ-OQ (Installation Qualification and Operation Qualification) is an equipment qualification required for GMP procedures. This service is available from Kuhner and can also be carried out at the customer's premises.

## 1 C-tray with fixed clamps



# Accessories

To suit your application

### Universal tray CU

Order number: SM3004

The universal tray can be fitted with clamps for Erlenmeyer flasks, test tube holders, microtiter plates, sticky mats, or custom made holders to suit your requirements. Rearranging these clamps and holders is quick and simple.

### C-tray (800 x 660 mm) with fixed clamps 1

The clamps are riveted onto this tray and cannot be removed. It offers maximum security and will often hold a larger number of flasks than a universal tray. These trays are available in a variety of flask clamp sizes from 25 to 6000ml.

### C-tray for microtiter plates

Kuhner has designed trays specifically for microtiter plates. Handles at the front of the tray open and close the special clamping mechanism allowing plates to be loaded and unloaded. Trays of different heights (22, 47 and 77mm) allow the stacking of up to four microtiter plates. The tray is suitable for all types of plates (deep well, low well, 24, 48 and 96 well).

### C-tray with sticky mats

Order number: SM3704

A tray fitted with sticky mats is especially useful for flasks shaken at low speeds (up to 200rpm). The flask is placed directly on the sticky mat without the need for any other support. Flasks of all sizes can be used. Sticky mats are available individually, or in sets and can also be supplied already fitted to a tray. Each mat is 20 x 20cm and can be cut to size.

### Kuhner Insight Software

The user-friendly Kuhner Insight software was developed for supervision, monitoring, and recording of data. The software is easy to operate.

### Interfaces

Kuhner shakers are equipped with a CAN-bus. CAN-USB, CAN-Ethernet, EMI-60 and NET-60 are all well established interfaces.

# Technical data

Technical data	SMX2120
Speed	20-300 rpm (up to 400 rpm on request)
Diameter	50 mm (orbital motion), other diameters are possible
Weight	330 kg
Accuracy, absolute	0.1 rpm
Setting, digital	1 rpm
Active brake	adjustable
Interface	CAN-Bus, RS232
Loading, maximum	100 kg
Tray size	2x C-tray (800x660 mm)
Kuhner Insight Software	
Monitoring	shaking speed
Mains connection	
SMX1021:	220 - 240 V / 50-60 Hz
SMX1022:	190 - 210 V / 50-60 Hz
SMX1023:	110 - 120 V / 50-60 Hz
SMX1024:	95 - 105 V / 50-60 Hz

Technical data subject to change



# Shakers & Accessories

[www.kuhner.com](http://www.kuhner.com)

# Kuhner

Represented by:

**Adolf Kühner AG • since 1949**

Dinkelbergstrasse 1  
CH-4127 Birsfelden (Basel)  
Switzerland

phone +41 (0) 61 319 93 93  
fax +41 (0) 61 319 93 94  
[office@kuhner.com](mailto:office@kuhner.com)

[www.kuhner.com](http://www.kuhner.com)