

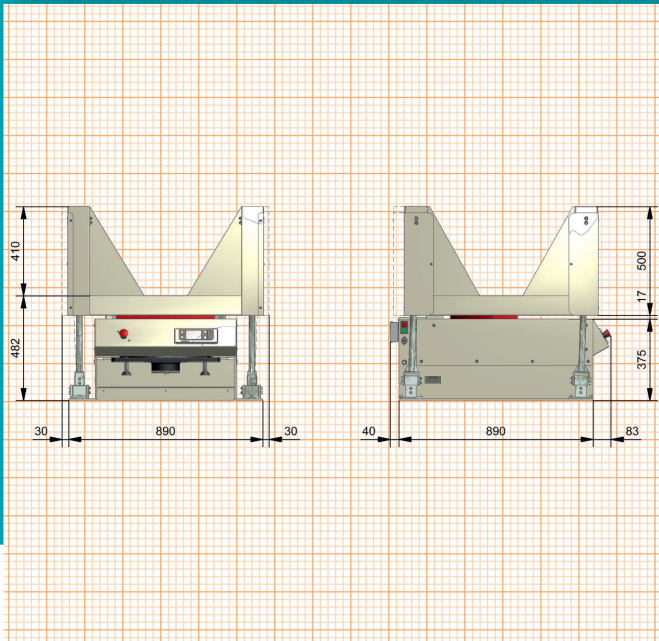
**Kuhner** shaker

# SR200-X (Pilot-Shaker)

Flexible shaking machine for heavy loads  
Customized to your requirements



## Dimensions



With the SR200-X, Kuhner offers a very flexible shaking machine concept. The SR200-X consists of a solid base incorporating the Kuhner direct drive system.

## Performance characteristics

- + For use with customer specific vessels
- + Solid base with integrated Kuhner direct drive
- + Designed for heavy loads
- + Ideal for climate controlled rooms
- + Orbital shaking, max. speed 300 rpm (400 rpm on request)

### Maximum flexibility through use of various vessels

The superstructure can be custom built to suit the customer's application e.g. cell cultivation in containers of up to 100 litres; or for particularly gentle mixing of solutions, such as protein solutions, in different types of vessels.

This machine is suitable for use in climate controlled rooms as the Kuhner direct drive generates very little heat. The SR200-X is designed for maintenance-free continuous operation. 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.

## Accessories

### ISIS-Software

Kuhner developed the user-friendly ISIS-Software 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

• <b>Technical data</b>	SMX2102
Speed	20-300 rpm (up to 400 rpm on request)
Diameter	50 mm (orbital motion), other diameters are possible
Weight	340 kg
Accuracy, absolute	0.1 rpm
Setting, digital	1 rpm
Active brake	adjustable
Interface	CAN-Bus, RS232
Loading, maximum	100 kg
• <b>ISIS-Software</b>	
Monitoring	shaking speed
• <b>Mains connection</b>	
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



# Shakers & Accessories

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

# Kuhner

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