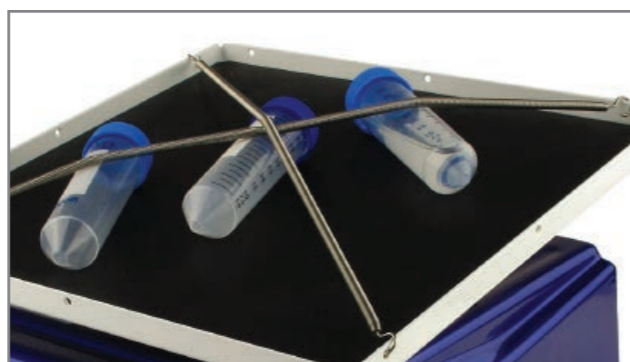


ORDERING INFORMATION

CS-NOR	Orbital shaker with 30x30cm platform and non-slip rubber mat – 110 / 230 VAC
CS-NRC	Reciprocal shaker with 30x30cm platform and non-slip rubber mat – 110 / 230 VAC
CS-NRK	Rocking shaker with 30x30cm platform and non-slip rubber mat – 110 / 230 VAC
CS-NOR, CS-NRC & CS-NRK Options	
CS-P3030	1x 30x30cm shaking platform with 8 adjustable pillars and non-slip rubber mat
CS-SP	2x Strip springs to secure laboratory glassware, tissue culture flasks & multi-well plates
MS-DIMPLED-30	1x 30x30cm dimpled mat
2-D/3-D Gyratory Shaker	
CW-23	2-D/3-D gyratory shaker with 33x33cm platform and non-slip rubber mat – 110 / 230 VAC
CW-WB	Hybridisation water bath (ambient to 95°C) with RS232 port for data-logging
CW-SP	2x Strip springs to secure laboratory glassware, tissue culture flasks & multi-well plates
CW-P3333	1x 33x33cm shaking platform with 8 adjustable pillars and non-slip rubber mat
CW-DIMPLED	1x 33x33cm dimpled mat
MW-PF-SS	Stainless Steel Platform Option per platform for 2 & 3D Waver Shaker

TECHNICAL SPECIFICATIONS

Shaker Mode	CS-NOR	CS-NRC	CS-NRK	CW-23
Motion	Orbital: single-direction or alternating, bi-directional clockwise & anticlockwise shaking	Linear, reciprocating action	Rocking	Gyratory (2-D or 3-D)
Orbits per Shaking Cycle	0.1-10	-	-	-
Orbit / Amplitude	20mm	19mm	-	-
Max. Tilt Angle	-	-	12°	8°
Speed / Resolution	0-200rpm / 1rpm	5-100rpm / 1rpm		
Timer / Resolution	1-9999' with alarm; continuous / 1'			
Controller	Digital microprocessor			
Display	4-digit red LED			
Operating Temperature	4-40°C			
Optional Stacking Platform	Yes			
Platform Dimensions (w x l)	30 x 30 cm			33 x 33 cm
Max. Load for Platform	10kg	15kg	15kg	15kg
Unit Dimensions (w x l x h)	26 x 31 x 13 cm			33 x 45 x 28 cm
Operating Power	110 / 220V			
Weight	7 kg	7 kg	8 kg	10 kg
Operating Voltage	110/240V selectable			



FEATURES:

- Orbital, reciprocal & rocking models supplied with a 30x30cm shaking-platform & non-slip rubber mat
- 2-D/3-D shaker supplied with 33x33cm shaking-platform & non-slip rubber mat, to accommodate optional hybridisation water bath
- Additional platforms available for all models to double capacity without increasing footprint area
- Dimpled mat option (all models) to support 1.5ml, 15ml and 50ml tubes



Rockers and Shakers

Cleaver Scientific rockers and shakers are available as four different models in orbital, reciprocal, rocking and 2-D/3-D gyratory shaking-formats. Features and benefits include: outstanding uniform motion and low noise; microprocessor-based keypads with digital control and display of pre-set time, continuous time, operation mode and speed; and high quality stain-resistant platforms with non-slip rubber mats. All models are lightweight and portable for easy transportation from the bench to incubator and cold room alike, while additional platforms may be added for increased capacity.

CS-NOR - Orbital

The CS-NOR includes a 30x30cm orbital shaking-platform that may be programmed to perform up to ten 20mm orbits within each clockwise or anticlockwise shaking cycle. This generates the swirling motion optimal for aeration of samples, 0.5 to 5ml in volume, within multi-well plates, standard dishes and Petri dishes.

CS-NRC – Reciprocal

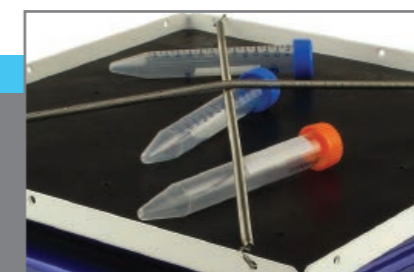
The CS-NRC is a 30x30cm reciprocal shaking-platform incubator that has a linear reciprocating motion which is perfect for incubation of western blots and initial mixing of reagents within 96-well microplates during enzyme assays and PCR.

CS-NRK - Rocking

The CS-NRK includes a 30x30cm rocking platform to provide the perfect motion and tilt angle to prevent gels and membranes from drying out during staining, blocking and antibody incubations.

CW-23 – 2-D/3-D Gyratory

The CW-23 includes a 33x33cm platform whose 3-D gyratory action is ideal for gentle, foam-free washing of delicate cell lines within tissue culture. An optional water bath (CW-WB) may be mounted on the gyratory platform for nucleic acid hybridisation applications.



CW-23

TYPICAL APPLICATIONS

Mixing enzyme and PCR reactions. Staining, blocking and antibody incubations. Tissue culture.