

ECHO BARRIER[®]

Environmentally Sound

CS Cutting Station[™]

Specifications



World-leading
temporary noise control.

ECHO BARRIER®

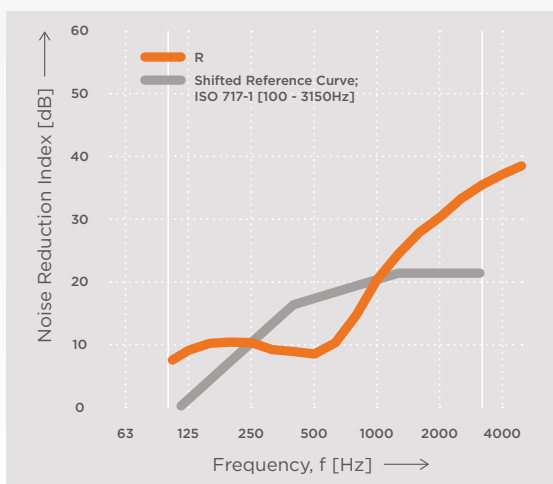
Environmentally Sound

CS Cutting Station™

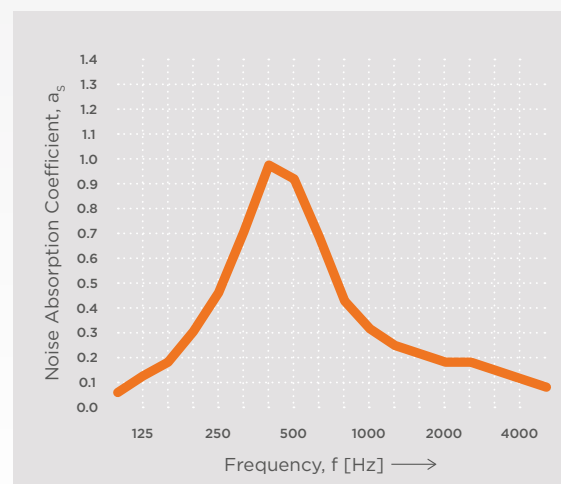
The Echo Barrier CS Cutting Station™ is a temporary portable acoustic enclosure that can be erected with ease to contain noise from cutting activities. Its innovative design offers superior noise reduction and absorption from all directions without compromising the process for cutting panels, timbers, tiles, tubes or beams of any length. It is ideal for use indoors or next to high rise structures. The viewing window provides visibility for communication and safe working. The simple, flexible and effective design comes with all the components required to prevent noise from bouncing off ceilings and walls, whilst containing dust, debris and fumes.



NOISE REDUCTION



NOISE ABSORPTION

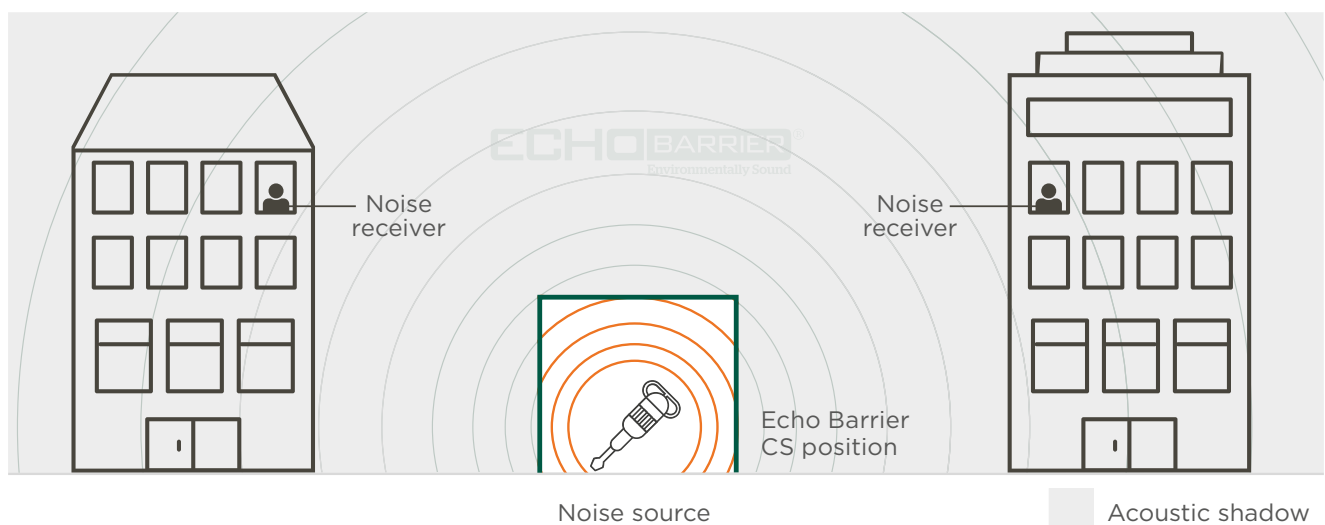


CS Cutting Station™ specifications

Max Noise Reduction (Lab Tested)*	38.5 dB (in all directions)
Max Noise Absorption (Lab Tested)*	89% (in all directions)
Height	2100 mm (6 ft 11 in)
Width	2400 mm (7 ft 10 in)
Length	3250 mm (10 ft 8 in)
Weight	136 kg (300 lb)
Water resistant test standard*	BSEN 60529:1992 IPX6/IPX9
Fire resistant test standard*	BS 7837-1996 (barriers), class B1 (windows/roof)
Dust resistant test standard*	BSEN 60529-1992
Cold resistant test standard (result)*	BSEN 60068/2/1:2007 (-40 degrees)
UV resistant	3 years (USA + Canada), 5 years (rest of the world)
Safety features	Night-time reflective strips, hazard icons
Quick install	2 persons in 15 minutes, foldable
Installation kits	Not required
Frame components / weights	Rear frame x 1 = 7 kg (15 lb), side frame x 2 = 11 kg (24 lb) each, front roof frame x 1 = 4 kg (9 lb), rear roof frame x 1 = 3 kg (6.6 lb), wheels x 6 = 3 kg (6.6 lb)
Acoustic components / weights	PVC roof cover = 10.7kg (23.5 lb), acoustic roof barrier = 5.5 kg (12 lb), acoustic side windowed double panel x 2 = 12 kg (26.5 lb) each, H3 acoustic panel x 2 = 6 kg (13 lb), each acoustic front panel with plastic door strips = 17.50kg (38.5 lb), air extractor panel = 12kg (26.5 lb)
Window option	Included - Window opening can be configured to suit any width of material by simply folding the panels
Ventilation option	Includes integral air extraction hood
Adjustable	Yes - Height only
Wheels	Yes - lockable
Anti-theft	Security cable, data tag
Cleaning	Power wash
Identification code part number	Unique RFID number per unit
Manufacturer's warranty	1 year
Colour options	On request

* Full independent laboratory results can be obtained on request to info@echobarrier.com

Effective installation



What makes our acoustic barriers so effective?



Front outer layer

Extremely durable, waterproof, high quality PVC, with optimum mass to ensure maximum noise reduction whilst retaining a professional appearance.



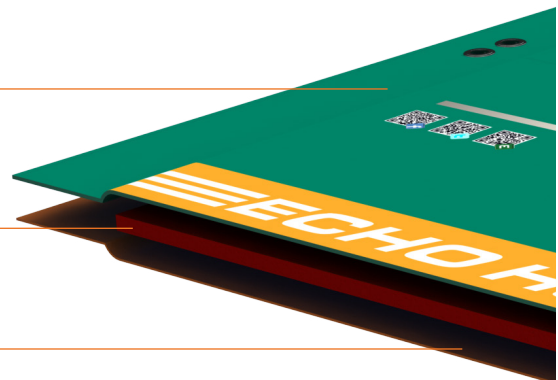
Acoustic absorbent

Lightweight acoustic foam prevents noise reflecting off the barrier.



Waterproof breathable fabric

Multiple purpose breathable fabric allows noise to be absorbed while ensuring no water enters the barrier.



Cutting Station Enclosure - Assembly Instructions

Stage 1 - Frame



1. Connect **RED** to **GREEN** – the **RED** middle vertical tube is offset from the centre; ensure the smaller gap is away from **GREEN**
2. Connect **BLUE** to **GREEN** – ensure the smaller gap is away from **GREEN**.
3. Attach **GREY** roof brace.
4. Attach **YELLOW** roof brace.
5. Insert the wheels along one side, then the remaining side.

Note: The frames are not actually coloured.

Cutting Station Enclosure - Assembly Instructions

Stage 2 - Left and Right hand side barrier placement



Attach the CS barriers. Wrap the Velcro flaps around the top tubes and secure in place.

- a. Ensure that the viewing window is at the back of the frame.
- b. Attach the Velcro on the slots to the frame.

Cutting Station Enclosure - Assembly Instructions

Stage 3 -Rear barrier placement

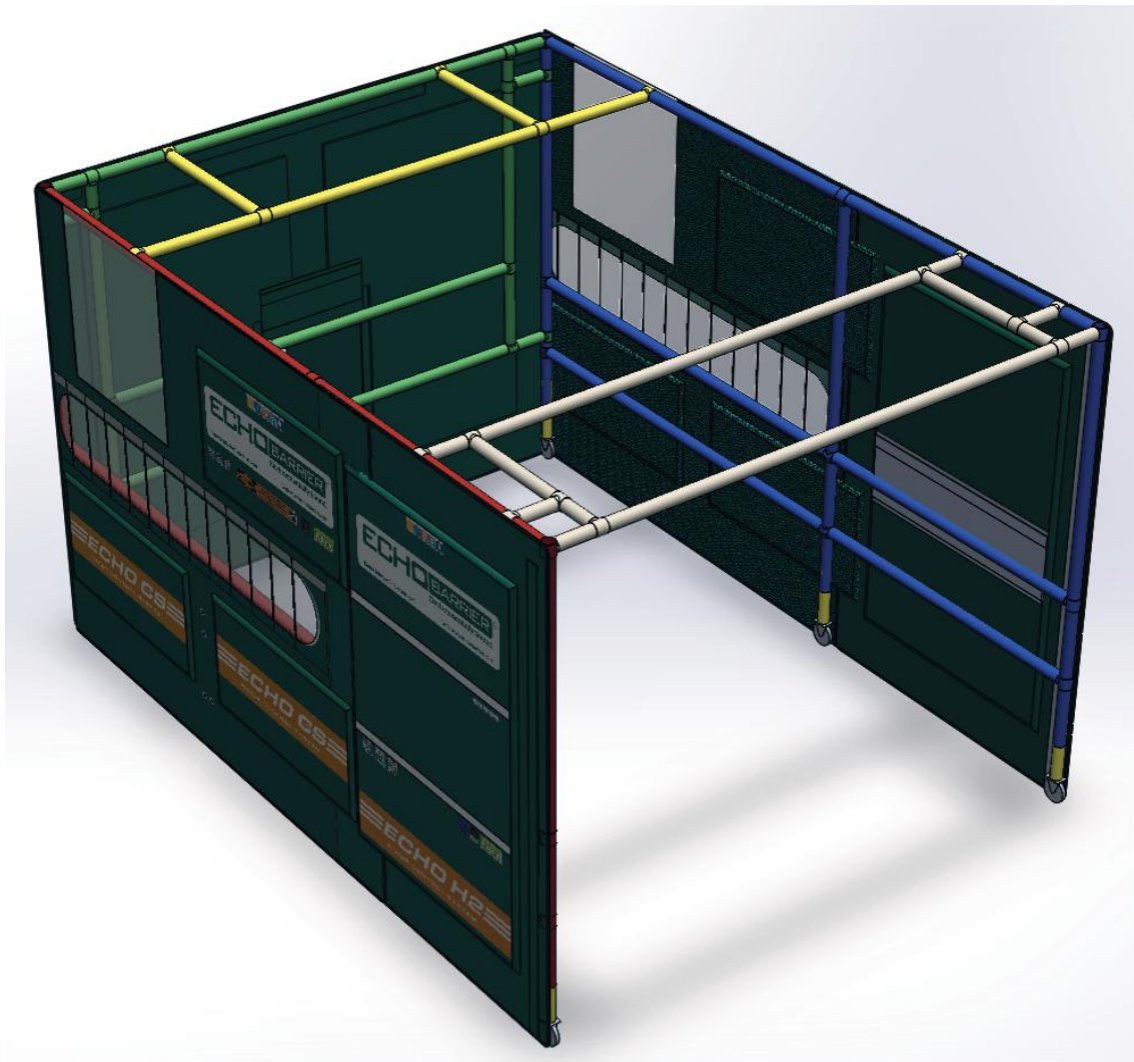


Attach the ventilation barrier using the Velcro straps on the top tube.

- a. Attach the ventilation hole Velcro straps to the horizontal tubes.
- b. Fold the CS barriers around the corner and attach to the ventilation barrier using the Velcro strips.

Cutting Station Enclosure - Assembly Instructions

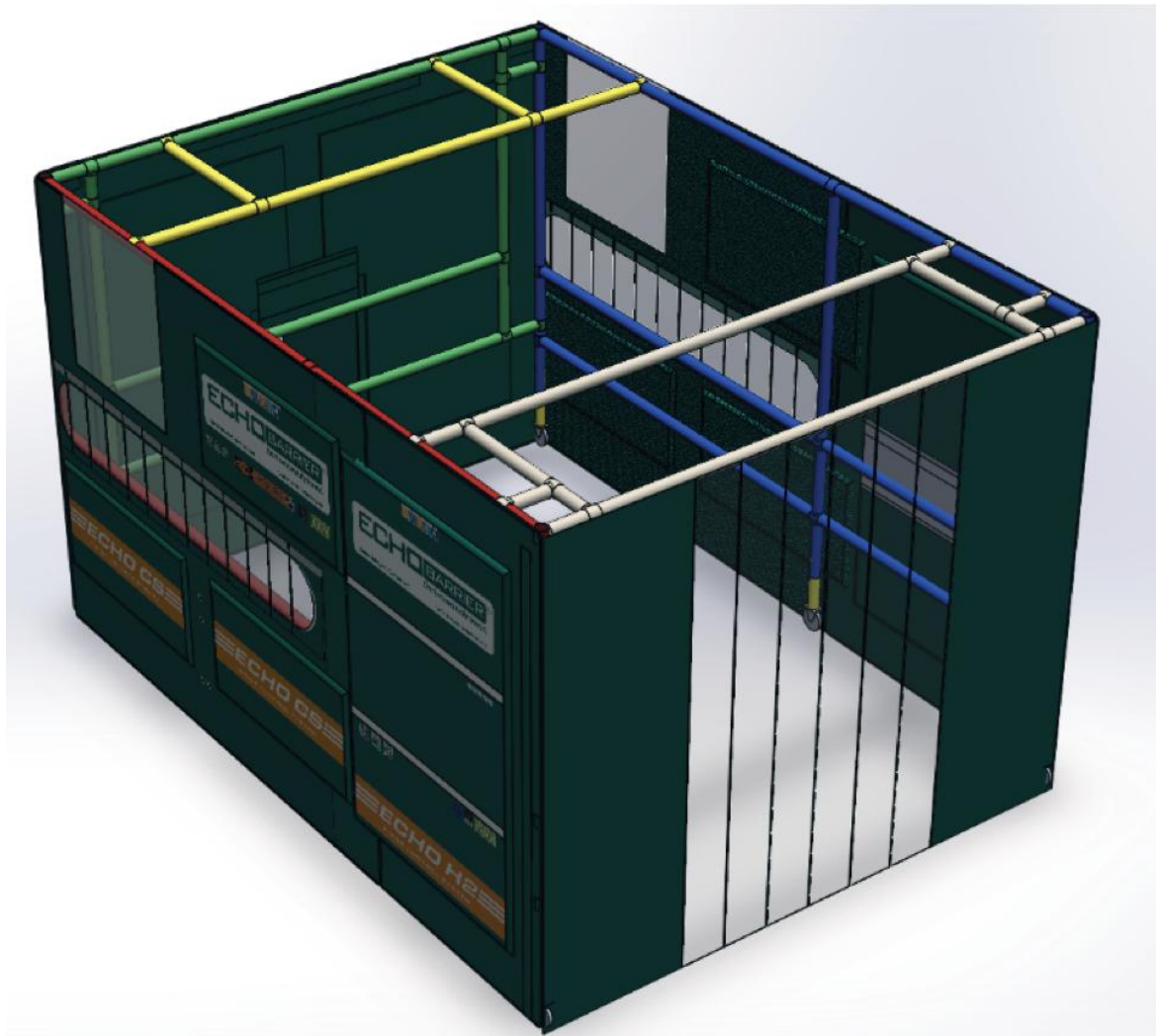
Stage 4 - Left and Right hand side single barrier placement



Attach the smaller Echo Barriers to the frame. The CS barrier overlap these and attach by Velcro

Cutting Station Enclosure - Assembly Instructions

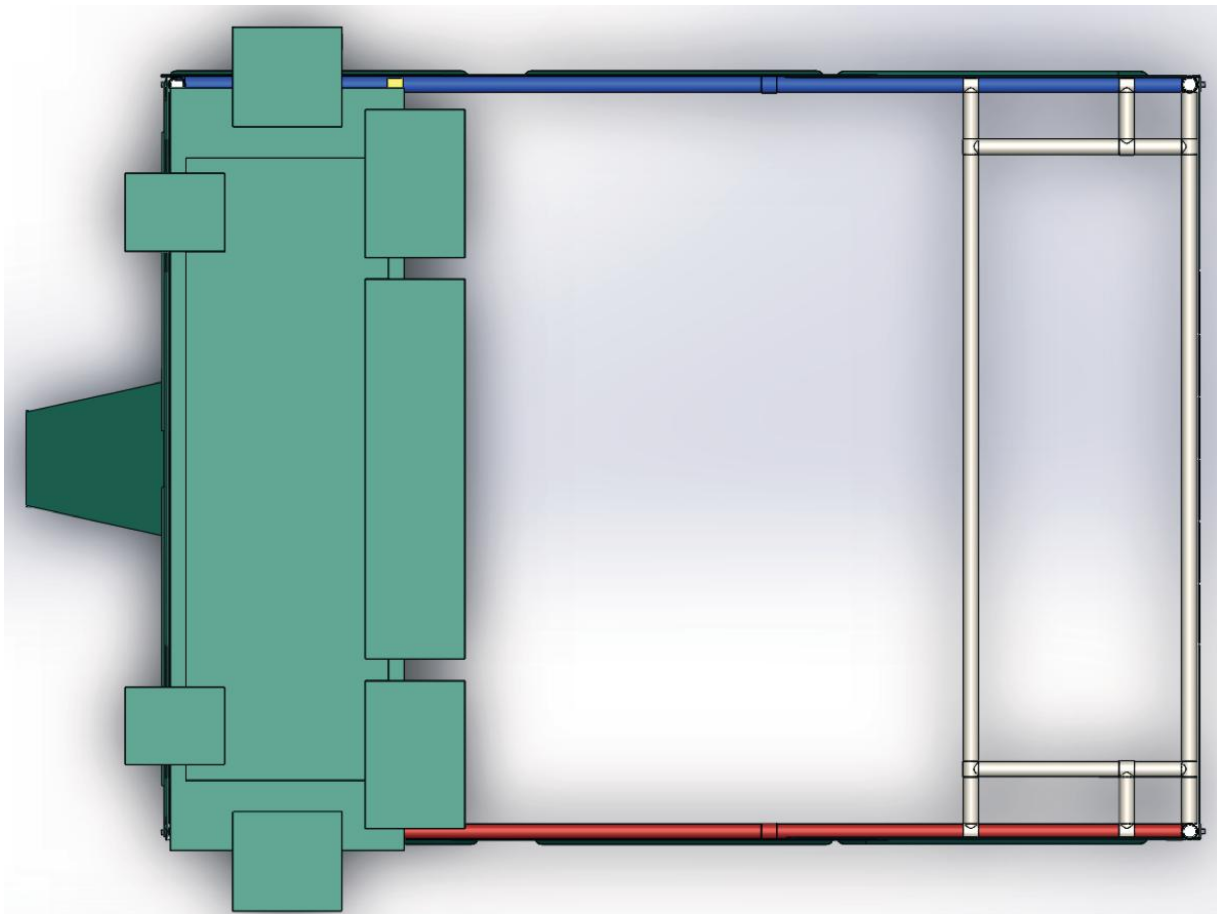
Stage 5 - Door panel barrier placement



Attach the door panel. Fold the edges around the corner and attach to the small Echo Barriers by the Velcro.

Cutting Station Enclosure - Assembly Instructions

Stage 6 - Roof panel barrier placement

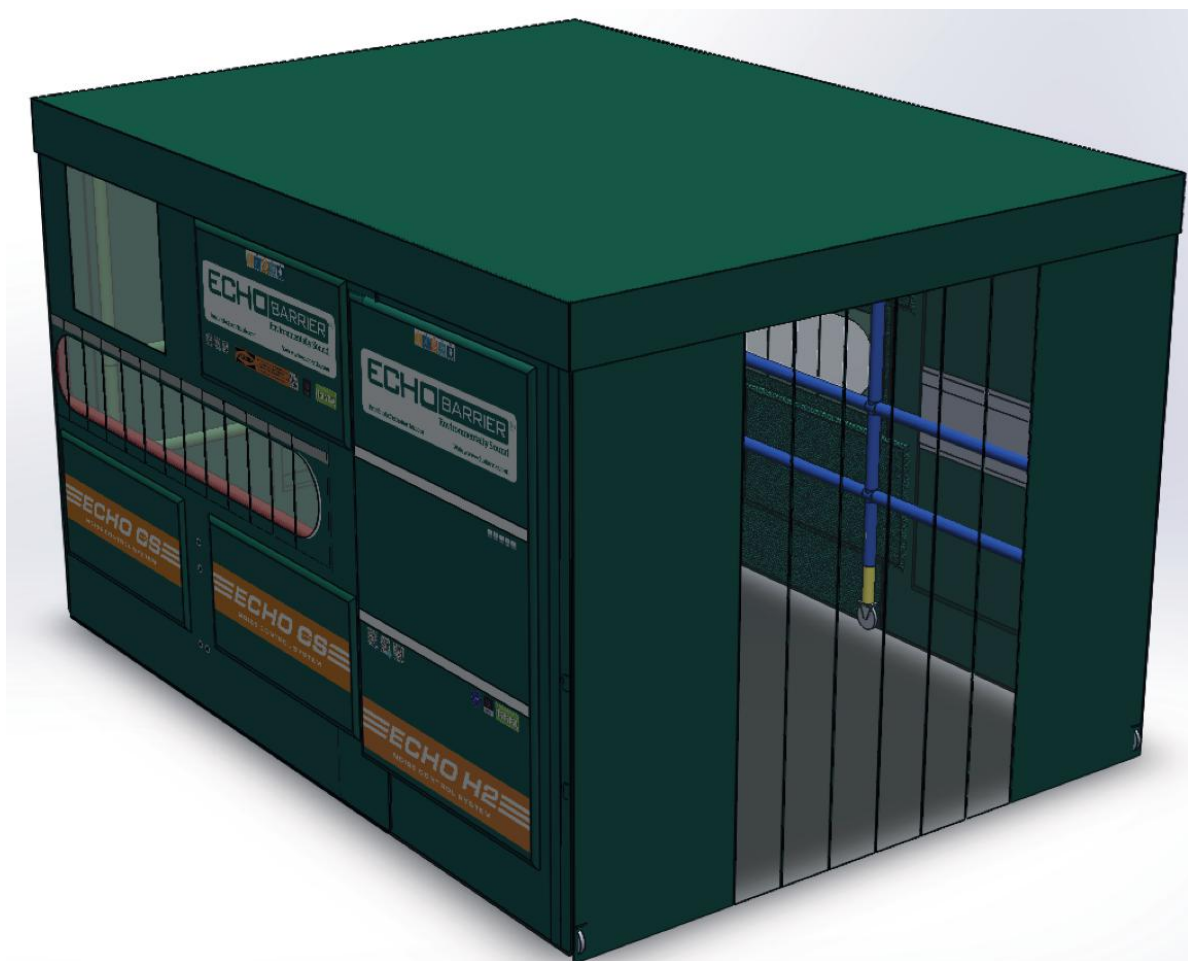


Attach the roof barrier above the ventilation barrier.

- a. Make sure the Velcro tabs are lined up the same as the picture below, then fasten them to the frame.

Cutting Station Enclosure - Assembly Instructions

Stage 7 - Roof placement



Place the roof over the structure and attach it the barriers all the way around using the Velcro.

Note: Adjust the frame height by turning the wing nuts on the wheels to work with your cutting bench.