

SYARIKAT CERAMECH

The Syarikat Ceramech Top Loading Barrel Kiln.



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Syarikat Ceramech make a single burner top hat to meet the requirement of a bead maker in Sarawak.

It can be disassembled into 3 parts base, body and hood. The base was a little heavy, but manageable, and the body and hood was a lighter than the base. 2 person can unload and assembled the kiln.

The transportation by sea was eventful. And we made the final journey delivered on a 4 wheel drive. We think the client was satisfied with the kiln. She told us it paid for itself in less than 6 month. It was submerged by flash floods a few time. It worked after a dryout.

The total height of the kiln is 1.5M with the hood open. We recommend that the kiln be installed in a open shed with a high metal roof about 3.5M high with steel purlins.

This kiln easily fires oxidation and reduction. It can fire very fast. If your product can withstand fast fire, and very,very dry, you can fire it as fast as 5 hours. The flame is tangential to the kiln wall. As it swirls round the sides of the wall, heated gas is forced to the center of the kiln, and eddy around the products. A highly reflective fiber lining also helps to even up the products' temperatures. The vent is position on the center of the hood. By closing and opening the vent, the internal atmosphere can be easily controlled.

The new design incorporates lifting "ears" for the barrel, so the client can convert it to a lifting hood raku kiln. We can also supply an automated lifting system if required. The unit comes with about 9 meters of 1/4" copper tubing, and complete with gas regulator and a manifold for 2 gas tanks. If you are doing "Raku" with this kiln, we would recommend a longer copper piping. Make sure the gas ad burner is in a safe position, and the gas supply is closed before you lift the top. A series of pulleys will be needed, Use a counterweight so that the top can be lifted easily. Do not lift the top too high. About 700mm from the base should give easy access. 3 level of shelves, are provided, with 8 pieces of 100mm props. And 8 pieces of 150mm. 4 pieces of brick pads lift the bottom shelve 65 mm from the bottom. The burner incorporates a flame failure valve. Ligthup and control is manual.

Firing is economical, a 14 kg LPG tank will last several firings.

Dimensions with top hat closed: 720 mm D x 1050 mm H

Working Dimensions: 450 mmD x 550mm H