

Manual Book (Pottery)

1. Clay-strip forming technique

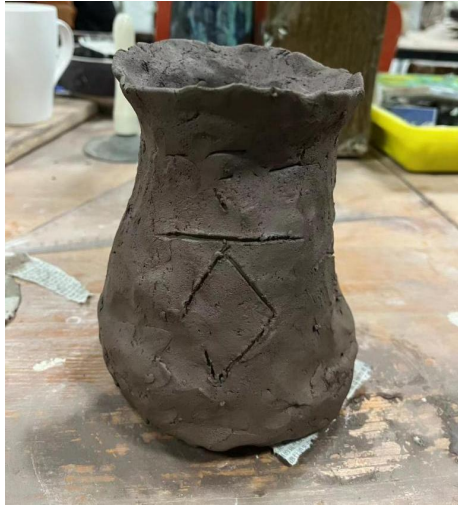
Step 1: Roll out soft clay into long thick strips



Step 2: Make a plate as the base (you can either simply use your hand or use a machine to make the base) and lay strips one on the top of another



Step 3: Smooth the exterior and carve/scratch pattern



Step 4: Drying



Step 5: Engobe coating and decoration



Step 6: Ceramic glaze making

My “secret recipe”:

cobalt 1g + kaolin+ calcium carbonate +Silica+ barium carbonate + magnesium carbonate + copper carbonate

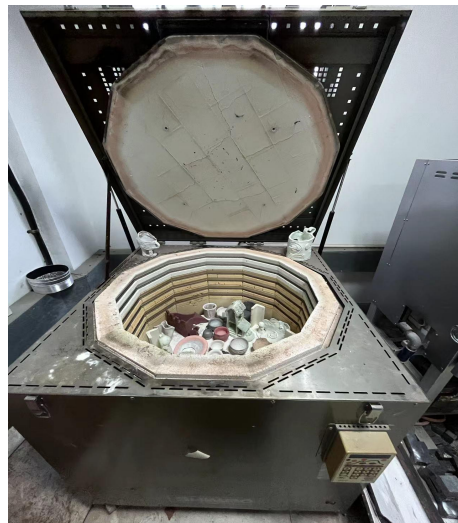
試片與釉色		編號 B89	原始編號 304-18-44.17	試片與釉色	
成分	重量百分比	燒成情境與結果			
KAOL	0.10	1. 釉色代號：B89			
CaO	0.70	2. 坯體用土：台灣海土			
Na2O	0.10	3. 燒成溫度：攝氏1235-1245℃			
Fe2O3	0.05	4. 燒成條件：電氣或氧化燒成。			
SiO2	3.00	8-10小時延遲溫40-50分鐘。			
Al2O3	1.4.6	5. 釉色分析：			
CaCO3	0.5%	(1) 透明度：不透明釉			
SiC	0.5%	(2) 光澤度：無光			
CaO	0.5%	(3) 色澤變化：無光灰綠			
CaO	0.5%	6. 說明：此釉式的中酸比例為			
CaO	0.5%	1:4.6，所以是無光釉			
CaO	0.5%	狀態。通常基本釉的			
CaO	0.5%	酸比例在1:7-1:10之間			
CaO	0.5%	是亮光釉。			



Below is what my glaze looks like



Step 7: Glazing and firing



Voila! This is my cup!



2. Wheel throwing technique

Step 1: Soften and rub the clay outward and inward to form an ox head shape before standing it up and making it a cone (Note: there will be **spiral lines along the clay** if the clay is correctly rubbed)



Step 2: Put the clay on the wheel (Note: the rotation direction of the wheel should be the same as that of clay's spiral) and **align the center of the clay to the center of the wheel**



Step 3: Mold by throwing

- You need to be extremely patient. I failed for at least 20 times.
- Practice practice and practice!)



Step 4: Drying



Step 5: Trim and make round foot



Step 5: Glazing and firing



Voila!

