

# Manual Book (Pottery)

## 1. Clay-strip forming technique (Coiling)

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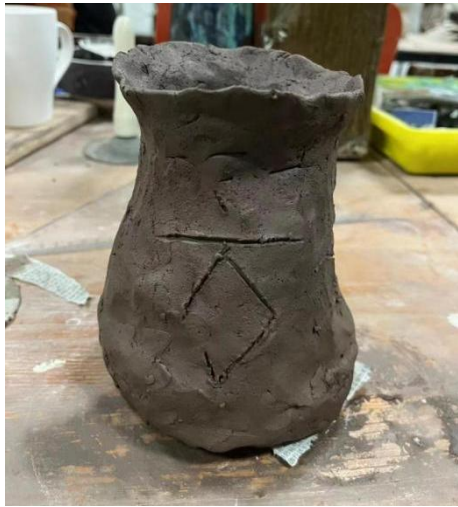
Step 1: Shape soft clay into long thick strips



Step 2: Create a base by flattening the clay into a plate (you can either simply use your hand or use a machine to make the base like what slab building method does) and layer strips one on the top of another



Step 3: Smooth the exterior and create a pattern by carving or scratching into it.



Step 4: Drying



Step 5: Engobe coating and decoration (Apply an engobe coating and add decorative details)





## Step 6: Ceramic glaze making

### My “secret recipe”:

cobalt 1g + nepheline-syenite 196g + kaolin 140g + calcium carbonate 188g + Silica 212g + barium carbonate 54g + magnesium carbonate 11g + copper carbonate 70g

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編號 B89

原稿編號 304-18-44-17

試片與釉色

成分	重量百分比
SiO <sub>2</sub>	0.15
CaO	0.70
Na <sub>2</sub> O	0.10
K <sub>2</sub> O	0.05
Al <sub>2</sub> O <sub>3</sub>	0.85
BaO	3.00
Fe <sub>2</sub> O <sub>3</sub>	1-4.6
着色劑	
CaCO <sub>3</sub>	0.5%
CaCO <sub>3</sub>	3%
碳酸鈣	5%

燒成情境與結果

1. 釉色代號: B89
2. 坯體用土: 台灣陶土
3. 燒成溫度: 攝氏1235-1245℃
4. 燒成條件: 電窯或氣化燒成
- 8-10小時溫度40-50分鐘
5. 釉色分析:
  - (1) 透明度: 不透明釉
  - (2) 光澤度: 無光
  - (3) 色澤變化: 無光灰綠
6. 說明: 此釉式的中酸比例為

1:4.6, 所以是無光釉狀態。通常基本釉的中酸比例在1:7-1:10之間是亮光釉。

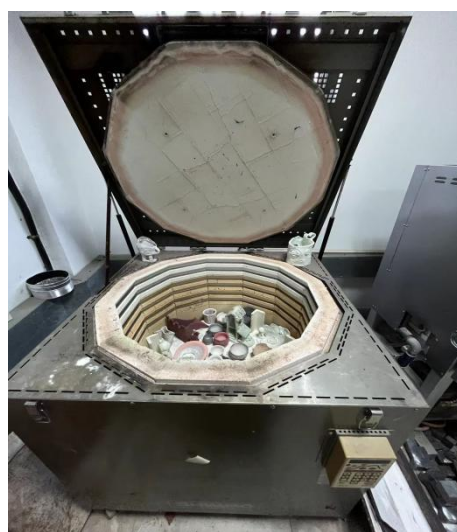
試片與釉色



Below is what my glaze looks like



## Step 7: Glazing and firing



Voila! This is my cup!



## 2. Wheel throwing technique

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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 onto the wheel (Note: the direction of the wheel's rotation should match the spiral direction of the clay), dampen it and then **align its center with the wheel's center**





### Step 3: Mold by throwing

(opening - lifting - shaping - collaring - leveling - folding - cutting - removal)

- You need to be extremely patient.

(I failed in the clay lifting procedure for more than 20 times)

- Practice practice and practice!



### Step 4: Drying



### Step 5: Trim and make round foot



Step 5: Glazing and firing



Voila!

