

# 美芯美勞

'A Tradition of Excellence'

陶藝工具綜合目錄  
MEI SUM CERAMICS



美芯美勞有限公司

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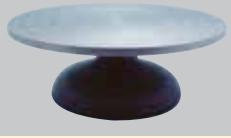
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※物格如有變動，我們保留調整目錄內價格之權利，恕不另行通知。  
Prices in this catalogue are subject to change without prior notice.

# 燒陶作業流程

土、水、釉、火、形與人構成陶瓷的重要因素。

感人的作品得自於各因素的巧妙組合。由選擇坭土，拉坯，彩繪上色，燒成，到完成之作品，作為送禮或使用都是美妙的過程，整個製作過程，都是必需連帶每一步驟的相關材料與工具，才可得心應手。針對本地的資源，希望在教學上，按陶藝製作的程序所需用之器材及配備，多作介紹。但在這之前，讓我們先介紹陶藝品的製作過程。



## 轉盤

利於手捏成形法或泥條盤築成形法的作業工具。



## 手捏成形法

泥條盤築成形法、土板成形法等等各式的技法。



## 製作中作品管理

製作途中因故中斷作業時，應將坯土放入厚塑膠袋內保持其軟度。在通風良好的場所或乾燥的暖氣室中作業時，會使坯體出人意料之外的快速乾燥，即使是短時間的作業，也應將坯體放入塑膠袋中。



## 釉下彩的特點

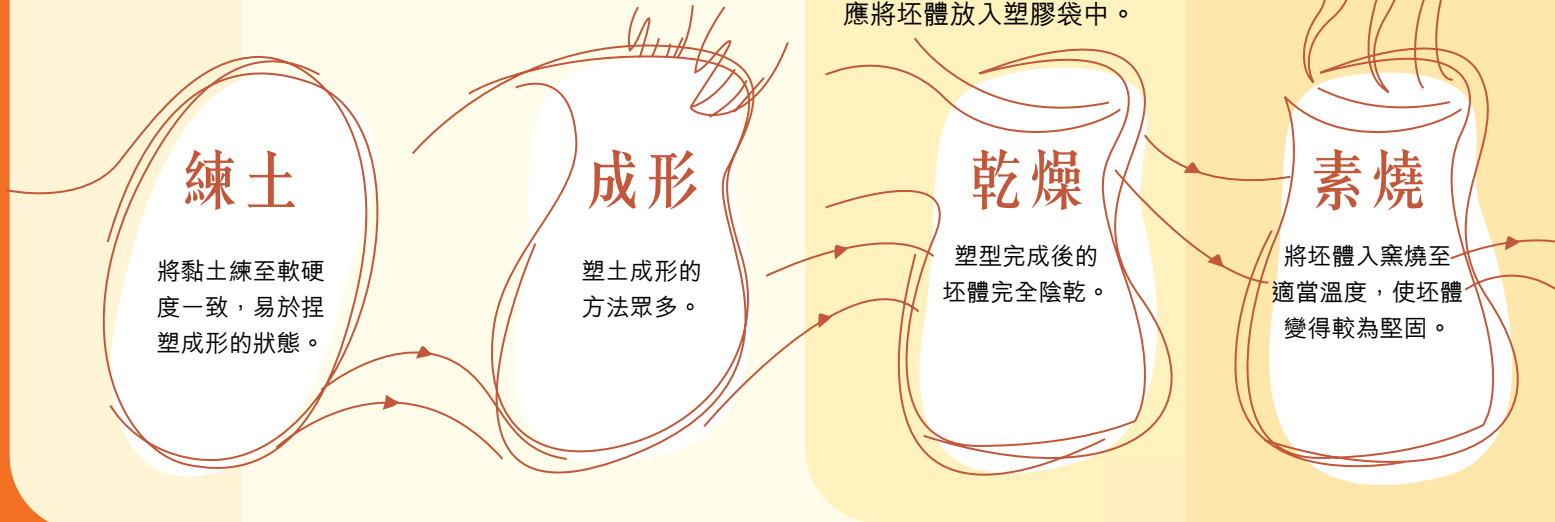
1. 坯體完全乾燥後，可施釉下彩，並素燒作業。
2. 亦可把素燒後的坯體施釉下彩燒製。



## 素燒

坯體完全陰乾後，進入素燒階段，是減少失敗的關鍵點。

施上釉彩之前，將完成乾燥的作品以 750 °C - 800 °C，經八個小時完成素燒，之後才是施釉作業。



## 大木盤

大型盤碟或壺等器物，拉坯機塑形後，無法立刻從拉坯機取下。裝置大木盤，作品完成後，取下大木盤即可。



## 拉坯成形法

利用轉動的拉坯機使黏土成形。



## 各鉀修坯槽

利用拉坯機，削修底部時使用。茶杯或類似小酒瓶的細頸器物放置其上，以固定成形的坯體。



## 拉坯工具

轉動拉坯機，在未乾燥的坯體上刮出獨特的裝飾外觀。



## 電窯燒成

安裝自動燒成裝置設備，可依照自己的希望來調節時間和溫度的高低，對忙碌的人士而言，非常的方便且不必擔心噪音、臭味影響到鄰居，但電費比瓦斯高。



窯燒前電窯的內部情況

燒成後電窯的內部情形（窯燒時間8小時，溫度約1250℃）



塗上水晶釉的作品，表面晶瑩剔透。



## 上釉

上釉的方法，因應作品的大小、形體及釉藥的種類，數量的多少亦有所不同。一般用軟毛的畫筆施釉。可用浸釉方法為器皿施釉。



塗上透明釉的作品，表面光滑明亮。



塗上復刻顏色釉藥的作品，富大自然氣息。



## 繪底稿

進行欲描繪的圖案。



## 上釉

美化作品的階段（素燒坯體後施釉）



## 燒成

調至釉藥溫度，放入窯燒成。高溫窯燒有電窯、重油窯、瓦斯窯、木柴窯等四種。



## 完成



## 基本工具使用介紹

### 修坯刀

由木把手的一端或兩端裝上形狀各異的金屬環，用於掏挖泥團塑造的坯體，且可以平整表面、光滑表面及在表面挖凹槽。



### 金屬型板

在轆轤上拉坯時，可用於規整坯體的表面，壓光坯體。



### 塑刀

一般由硬木製成，亦可用塑料或其它的材料製成。塑刀用於黏接、刻畫、平整、壓光、做肌理等。各種塑刀的兩端為不同的形狀。



### 畫筆

用於施化妝土、釉料、陶瓷物料和氧化物，也可用於勾線和釉下彩繪、釉上彩繪的裝飾。不同形狀大小的畫筆有助完成不同類型的裝飾。



### 陶針或打孔器

木把手上裝上一根金屬尖狀物。可用於標記、挖空、刻畫和鏤空坯體。



金屬塑形工具、塑刀和醫用手術刀用於切割、刻花、鏤空和剔花。



## 釉下彩 Underglazes

釉下彩分為透明及不透明兩種，不透明的釉彩利用繪畫的技巧可造出不同層次及陰影的效果。 UNDERGLAZES designed for use beneath a glaze. Underglaze colors may be translucent or opaque. Their opacity determines the kind of looks you can create from deep solids to intriguing brushstroke designs and shading.

### 透明釉下彩

## E-Z Strokes Translucent Underglazes

它是一種普及的顏料，用法有如水彩顏色一樣，只要將釉彩重覆地畫在作品上便能製造出不同深度及多層次的效果。

It has become popular for their versatility. Similar to watercolor, a single layer of color is all you need for most design work. Additional layers may be added for shading and depth.



**kiln required**

bottle in 1-pint

bottle in 1-oz.



Assorted colors available in pints and 1-oz.

Intense pigment and high definition are the trademark of Duncan E-Z Stroke Translucent Underglazes. With just the flick of a brush, achieve the look of watercolor or detailed shading, with the range of colors blending together in a magical burst of color. Duncan E-Z Stroke Translucent Underglazes are perfect for brushwork, airbrushing and antiquing, making them the most versatile underglazes.

**Firing range cone 06 to cone 6**



classic

Featuring 23891 Tuscan Vase and 22706 Lid for Vases



EZ 059 Buttercream 1-oz.	EZ 004 Willow Yellow 1-oz.	EZ 058 Poppy Orange 1-oz. / 1-pint	EZ 011 Sienna Brown 1-oz.	EZ 022 Flesh Tone 1-oz.	EZ 018 Chartreuse 1-oz. / 1-pint	EZ 028 Leaf Green 1-oz.	EZ 003 Irish Green 1-oz.	EZ 043 Mint Julep 1-oz.	EZ 054 Papago Turquoise 1-oz.	EZ 069 Azure Blue 1-oz.
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**Intense pigment**

EZ 025 Lemon Yellow 1-oz.	EZ 034 Orange 1-oz.	EZ 057 Coral Red 1-oz. / 1-pint	EZ 048 Mesa Clay 1-oz.
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EZ 070 Olive Green 1-oz.	EZ 033 Ivy Green 1-oz.	EZ 072 Romaine 1-oz.	EZ 053 Hacienda Jade 1-oz.	EZ 032 Peacock Green 1-oz.	EZ 017 Dark Turquoise 1-oz.
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EZ 026 Yellow Orange 1-oz. / 1-pint	EZ 005 Sierra Yellow 1-oz. / 1-pint	EZ 056 Brick Red 1-oz. / 1-pint	EZ 055 Indian Summer 1-oz.	EZ 075 Passion Red 1-oz.	EZ 071 Dark Olive 1-oz.	EZ 016 Grass Green 1-oz.	EZ 014 Jade Green 1-oz.	EZ 024 Royal Blue Green 1-oz.	EZ 042 Teal 1-oz.	EZ 027 Navajo Turquoise 1-oz. / 1-pint
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### NEONS!



EZ 101 Neon Yellow 1-oz.	EZ 104 Neon Orange 1-oz.	EZ 106 Neon Red 1-oz.	EZ 102 Neon Blue 1-oz.	EZ 103 Neon Chartreuse 1-oz.	EZ 105 Neon Green 1-oz.
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**Note:** Safe for use on food containers when nontoxic, food-safe clear glaze is applied. Refer to Mid-Range Performance index for cone 6 firing details by color.

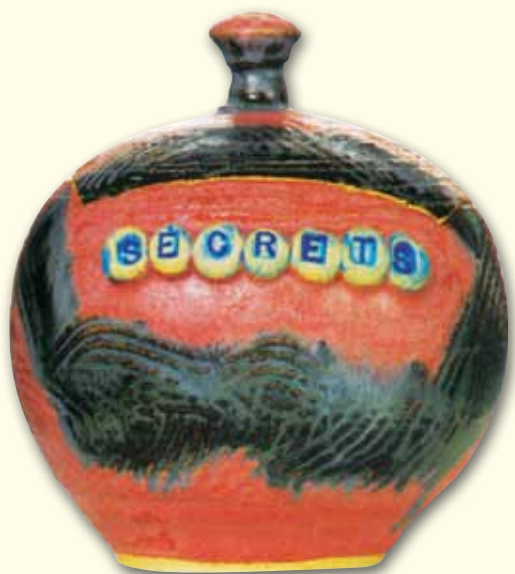
#### Legend:

Safe for use on food containers

Nontoxic but not for use on food containers

Nontoxic





**artisan**

Featuring pottery by Musette Young  
(in combination with Renaissance Glazes)



**contemporary**

Featuring 21426 Coupe Dinner Plate



*Easy for  
all skill level*



- EZ 031  
Light Blue  
1-oz.
- EZ 006  
ForgetMe-Not Blue  
1-oz.
- EZ 065  
Periwinkle  
1-oz.
- EZ 002  
Cinderella Pink  
1-oz.
- EZ 030  
Rose  
1-oz.

- EZ 038  
Med. Mahogany  
1-oz.
- EZ 067  
True Taupe  
1-oz.
- EZ 019  
Smoke Grey  
1-oz.



- EZ 066  
Morning Glory  
1-oz.
- EZ 035  
Dutch Blue  
1-oz.
- EZ 073  
Violet  
1-oz.
- EZ 061  
Petal Pink  
1-oz.
- EZ 008  
Ruby Red  
1-oz.
- EZ 007  
Royal Purple  
1-oz.
- EZ 050  
Pueblo Purple  
1-oz.
- EZ 068  
Roasted Chestnut  
1-oz.
- EZ 044  
Cobblestone  
1-oz.
- EZ 047  
Thundercloud Grey  
1-oz.



- EZ 074  
Dark Navy  
1-oz.
- EZ 023  
Midnight Blue  
1-oz. / 1-pint
- EZ 041  
Denim Blue  
1-oz.
- EZ 052  
Pecos Pink  
1-oz.
- EZ 020  
Mulberry  
1-oz.
- EZ 063  
Wine Berry  
1-oz.
- EZ 064  
Concord Grape  
1-oz.
- EZ 010  
French Brown  
1-oz.
- EZ 039  
Dark Brown  
1-oz.
- EZ 037  
Black  
1-oz. / 1-pint

**E-Z Strokes Translucent Underglazes in 1 oz. bottles**



**Special Offer**

10 bottles set  
Choose any 10 bottles from above chart.



- EZ 013  
White  
1-oz. / 1-pint
- EZ 012  
Cobalt Jet Black  
1-oz. / 1-pint



## 不透明釉下彩 Opaque Underglazes

 kiln required



Assorted colors available in pints

Formulated for both greenware and bisque, Duncan Cover-Coat Opaque Underglazes provide intense, opaque color coverage. The porous matte finish fires to a softer look; or apply a clear glaze for brilliantly shiny color coverage. Trust Duncan Cover-Coat Opaque Underglazes for the richest color tones available in an underglaze, even when applied on top of the darkest colors.

**Firing range cone 06 to cone 6**



CC 142 Canary Yellow    CC 143 Yellow Orange    CC 145 Indian Red    CC 182 Watermelon Red    CC 186 Tomato Red    CC 151 Rose    CC 178 Pecos Pink    CC 146 Purple    CC 137 Regency Purple    CC 159 Bright Blue    CC 191 Marine Blue



CC 101 Arctic White    CC 111 Dresden Flesh    CC 102 Ivory Pearl    CC 103 Lotus Yellow    CC 112 Light Flesh    CC 169 Peaches'n Cream    CC 171 Butterscotch    CC 181 Indian Summer    CC 117 Walnut Brown    CC 157 Darkest Brown    CC 173 Cobblestone



CC 136 Marlin Blue    CC 132 Fiesta Turquoise    CC 180 Papago Turquoise    CC 127 Fern Green    CC 153 Avocado    CC 129 Forest Green



CC 122 Moonstone Grey    CC 164 Ice Grey    CC 120 Samoa Taupe    CC 121 Temple Grey    CC 119 Charcoal    CC 165 Black Brown    CC 118 Cobalt Crystal Black

### NEONS!





CC 201 Neon Yellow    CC 204 Neon Orange    CC 206 Neon Red    CC 202 Neon Blue    CC 203 Neon Chartreuse    CC 205 Neon Green



**Note:** Safe for use on food containers when nontoxic, food-safe clear glaze is applied. Refer to Mid-Range Performance index for cone 6 firing details by color.

#### Legend:

 Safe for use on food containers

 Nontoxic but not for use on food containers

 Nontoxic

# DUNCAN CONCEPTS™

Underglazes for Bisque, Majolica & More!



## Classic

Featuring 21778 Free From Bowl

## Contemporary

Featuring 27171 Tribal Vase w/Handle



## artisan

Featuring pottery by Musette Young (in combination with Renaissance Glazes)



## education

Featuring 23885 Harmony Ware Dessert Plate

## 釉下彩 Concepts Underglazes

釉下藥可作多種用途，包括用於陶器上，可營造出古典及現代的概念。

Concepts Underglazes work well with a variety of decorating techniques, including majolica. They are ideal for contemporary and classic design.



kiln required

5 bottles set



Choose any 5 bottles in 2-oz.



The easiest way to add color to bisque is with Duncan Concepts Underglazes for Bisque & Majolica. With an easy-to-use color chart, featuring light, bright and dark color values, anyone can expertly enjoy the excitement of creativity. Whether you desire translucent or opaque coverage, simple designs or the detailed majolica technique, Duncan Concepts Underglazes for Bisque & Majolica makes the Ceramic Arts experience quick and easy!

**Firing range cone 06 to cone 6**



CN 012 Bright Straw CN 022 Bright Saffron CN 032 Bright Butternut CN 042 Bright Papaya CN 052 Bright Tangerine CN 062 Bright Salsa CN 072 Bright Scarlet CN 082 Bright Wine CN 292 Bright Purple CN 262 Bright Grape CN 102 Bright Heather CN 241 White



CN 112 Bright Delft CN 122 Bright Nautical CN 132 Bright Tidepool CN 142 Bright Aqua CN 302 Bright Caribbean CN 152 Bright Blue Spruce CN 272 Bright Jade CN 162 Bright Wintergreen CN 172 Bright Kelp CN 182 Bright Kiwi CN 202 Bright Grey CN 212 Bright Taupe

**Note:** Safe for use on food containers when nontoxic, food-safe clear glaze is applied.

Refer to Mid-Range Performance index for cone 6 firing details by color.

### Legend:

Safe for use on food containers

Nontoxic but not for use on food containers

Nontoxic



查詢及訂購熱線: (852) 2493 9200 傳真: (852) 2414 6266 電郵: info@meisum.com

美芯美勞有限公司

是一種不含鉛的物料，可作多種裝飾之用途，使用後能令作品表面更加平滑及顏色更加鮮艷，有透明及不透明兩種可供選擇，特別適合用於盛食物的用具上。

Envision Glazes are lead-free. They work with a variety of decorating techniques and produce a distinctively smooth and elegant appearance in colors ranging from opaque to transparent. All are safe for use on food containers.

## 透明釉藥 Translucent Envision Glazes

透明的釉藥是一種不含鉛的物料，塗於作品表面可作光油使用，會有一種獨特的效果。

Provides lead-free semitransparent, glossy coverage and is great for creating unique fired backgrounds. Pint bottle.



**kiln required**

bottle in 1-pint



CONFORMS TO  
**NONTOXIC**  
ASTM D-4236



Assorted colors available in pints

Brilliant color is just a brush away with Duncan Envision Glazes, a full-range color line complete with translucent, opaque and speckled finishes.

**Firing range cone 06 to cone 6**



classic

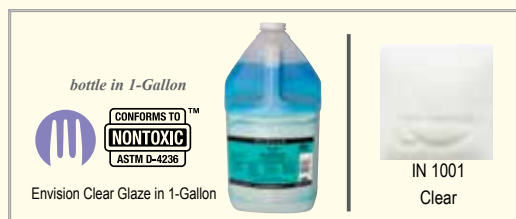
Featuring 26789 Chef Dinner Plate



## NEONS!



## Translucent Speckled!



### Legend:

Safe for use on food containers

Nontoxic but not for use on food containers

CONFORMS TO  
**NONTOXIC**  
ASTM D-4236

Nontoxic





## 不透明釉藥 Opaque Envision Glazes

不透明的釉藥同樣是不含鉛的，表面是光滑油潤但不透明，可混色使用。

Provides a glossy, opaque, lead-free finish. Can be blended with other colors or use alone for solid shiny coverage.



**kiln required**

bottle in 1-pint



Assorted colors available in pints

Brilliant color is just a brush away with Duncan Envision Glazes, a full-range color line complete with translucent, opaque and speckled finishes.

**Firing range cone 06 to cone 6**

### Glossy opaque finish



Refer to Mid-Range Performance index for cone 6 firing details by color.

### Legend:

Safe for use on food containers

Nontoxic but not for use on food containers

Nontoxic



# Crystals glazes™

## 水晶釉藥 Crystal Glazes

水晶釉藥能有不同顏色的效果，因結晶體在遇熱時會產生爆破的效果，素燒後的坯體塗上此釉藥再往窯燒便會有意想不到，獨一無二的效果。Crystals Glazes create bright multicolor bursts and specks, unique in every firing. Color crystals move in the glaze firing, creating a distinctive colorful finish.

 kiln required

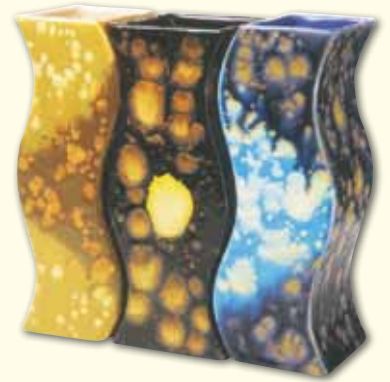
bottle in 1-pint



Assorted colors available in pints

The brilliance of fireworks is transferred onto bisque with Duncan Crystals Glazes. The easiest glaze to apply, crystal pebbles of varying sizes are embedded into the glaze and burst in the kiln to reveal an explosion of multicolor flecks. The result is a distinctive and unique array of colors that even a novice artist can achieve.

**Fire to shelf cone 06**



contemporary

Featuring 25810 Puzzle Vase (Side Left and Right) and 25811 Puzzle Vase (Center)

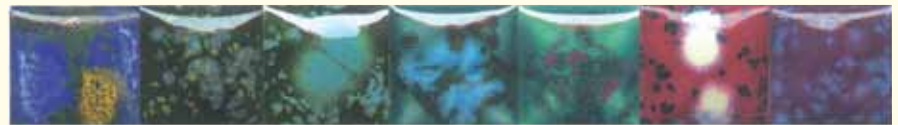


classic

Featuring 23903 Rainforest Tree Frog



▲ CR 901 Waterfall   ▲ CR 902 Night Sky   ▲ CR 903 Emerald Falls   ▲ CR 904 Fudge Marble   ■ CR 905 Blueberries   ■ CR 906 Peppered Raspberry   ▲ CR 907 La Fiesta



▲ CR 908 Monet's Garden   ■ CR 909 Moss Green   ■ CR 910 Forest Moss   ▲ CR 911 Ocean Mist   ▲ CR 912 Spring Meadow   ▲ CR 913 Cranberry Frost   ▲ CR 914 Grape Splash



▲ CR 915 Night Frost   ▲ CR 916 Holly Berries   ▲ CR 917 Caramel Latte   ▲ CR 918 Cherry Blossoms   ▲ CR 919 Milky Way   ▲ CR 920 Water Lilies   ▲ CR 921 Glacier Storm   ■ CR 20095 Blue Enamelware



classic

Featuring 24807 Geometrix Large Square Plate

## Earth & Sky SERIES

Sky



■ CR 850 Cumulus Clouds   ■ CR 851 Eternal Galazy   ■ CR 852 Solar Flares   ■ CR 853 Sailor's Delight   ■ CR 854 Outer Space


Earth



■ CR 855 Water Lily Marsh   ■ CR 856 Ancient Woodland   ■ CR 857 Alpine Meadow   ■ CR 858 Polynesian Lagoon   ■ CR 859 African Savanna

Refer to Mid-Range Performance index for cone 6 firing details by color.

Legend:

■ Safe for use on food containers   ▲ Nontoxic but not for use on food containers    Nontoxic

Mei Sum Art & Design Ltd. Hotline: (852) 2493 9200 Fax.: (852) 2414 6266 Email: info@meisum.com



artisan

Featuring pottery by Musette Young  
(in combination with Concepts Underglazes)



artisan

Featuring pottery by Musette Young



# RENAISSANCE GLAZES™



artisan

Featuring pottery by Musette Young  
(in combination with Concepts Underglazes)

## 復刻釉藥 Renaissance Glazes



bottle in 8-oz.



Assorted colors available in 8-oz.

The Wonder and mystery of the Old World come alive with Duncan Renaissance Glazes, a premier mid-range glaze that modernizes art history on multiple clay bodies. The line of unique glaze colors provides limitless opportunities to embrace the rustic, ancient, historical and artistic perspectives of the 16th century... all with the ease of application that the Duncan Ceramic Arts brand is known for. Consumers love to create with Duncan Renaissance Glazes because the unique and unexpected color breaks once fired ensure individuality of expression.

**Specially formulated to fire to cone 5-6**



RG 701 Vintage Blue  
 RG 702 Antique Celadon  
 RG 703 Rustic Mustard  
 RG 704 Shino Cream  
 RG 705 Bronze Patina  
 RG 706 Frosted Brick  
 RG 707 Deep Sea Treasure  
 RG 708 Pastel Peach



RG 709 Sepia Brown  
 RG 710 Buff Clay  
 RG 711 Burnt Apricot  
 RG 712 Smoked Cinnamon  
 RG 713 Spiced Cream  
 RG 714 Pistachio Nut  
 RG 715 Heirloom Blue  
 RG 716 Henna



contemporary

Featuring 23893 Banded Vase  
and 22706 Lid for Vases



# Crackles™ Glazes

## 裂紋釉 Crackles Glazes



bottle in 1-pint



Available in pints

Duncan Crackles Glazes offer a distinctive, aged expression of decoration. Use them alone on bisque for subtle color through the cracks or apply over underglaze designs for a unique antiqued expression. For extra depth and definition, highlight the cracks created in firing by antiquing the piece with ink or acrylic paint. Duncan Crackles Glazes make it easy to add character to any ceramic arts project!

**Fire to shelf cone 06**



CR 800 Clear  
 CR 821 Parchment Crackle  
 CR 822 Mocha Cream Crackle  
 CR 823 Celadon Crackle

Refer to Mid-Range  
Performance index for  
Cone 6 firing details  
by color.



**Legend:**

Safe for use on food containers

Nontoxic but not for use on food containers

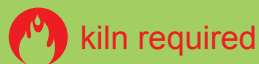
Nontoxic

# Clear Glazes

## 透明釉 Clear Glaze

塗於作品表面，令作品有光亮效果，並有光油保護作用。

Use a Clear Glaze to apply a sparkling, protective finish to ware. We offers a wide range of clear dipping and brush-on glazes.



**IN1001**  
Envision Clear Glaze

bottle in 1-Gallon



CONFORMS TO  
**NONTOXIC**  
ASTM D-4236

Available in  
1 Gallon



**CN 2000D**  
Concepts Clear Glaze

bottle in 1-Gallon



CONFORMS TO  
**NONTOXIC**  
ASTM D-4236

Available in  
1 Gallon



IN 1001 Envision Clear is NONTOXIC and perfect for schools and commercial finished ware producers who need a high quality clear glaze that meets all Federal and State standards for toxicity and dinnerware safety.

CN 2000D Concepts Clear Glaze was developed specifically for use with traditional underglazes in the finishedware or paint-your-own pottery studio setting were a high quality dipping glaze is essential for rapid production.

# Gloss Glazes

## 不透明光釉 Opaque Gloss Glazes

Opaque Gloss Glazes provide semitransparent glossy coverage and are great for creating unique fired backgrounds and covering detailed figurines.

bottle in 4-oz.



Assorted colors available in 4-oz.



GL 647 Baby Blue   GL 779 Wedgwood Blue   GL 648 Catalina Blue   GL 778 Seafoam   GL 613 Black   GL 664 Milk Glass   GL 670 Sun Yellow   GL 658 Tiger Lily   GL 614 Matador Red

## 透明光釉 Translucent Gloss Glazes

Translucent Gloss Glazes provide glossy coverage.

bottle in 4-oz.



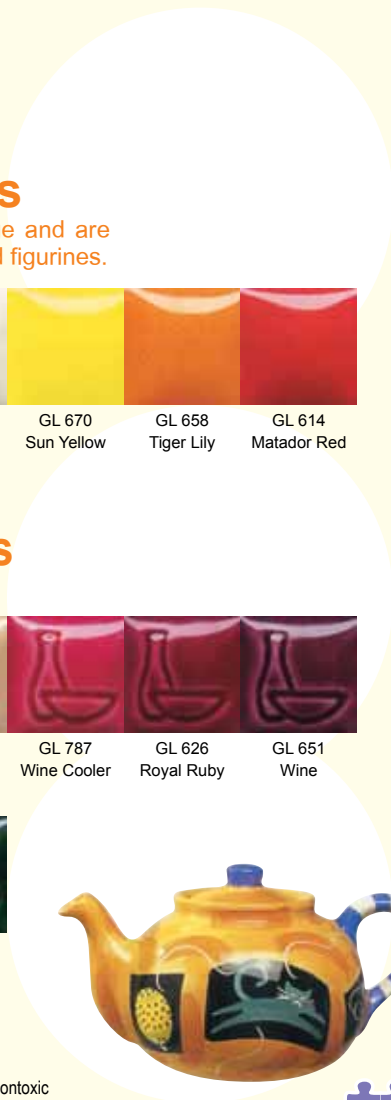
Assorted colors available in 4-oz.



GL 679 Royal Danish   GL 760 Dry Champagne   GL 782 Wicker   GL 642 Desert Tan   GL 789 Basket Brown   GL 759 Pastel Peach   GL 787 Wine Cooler   GL 626 Royal Ruby   GL 651 Wine



GL 784 Midnight Blue   GL 772 Christmas Tree Green   GL 672 Evergreen   GL 609 Emerald   GL 1609 Emerald Green   GL 669 Bottle Green



### Legend:

Safe for use on food containers

Nontoxic but not for use on food containers

Nontoxic

# Which process is best for me?

Clear Dipping Glazes save time when glazing a high volume of projects and makes glazing large pieces fast and easy.  
Clear Brush-On Glazes offer a hands-on personal approach to glazing and offers excellent control of application.

## dipping glaze-step-by-step



### 1. Mix in Pail

Mix with electric mixer for no more than two minutes until you see a vortex. Avoid touching edges of pail with the mixing blade. Use a stainless steel wire whisk to stir glaze after initial mixing.



### 2. Check Viscosity

- Submerge a TL 497 Viscosity Cup into tank and fill with glaze. As you lift cup from glaze, begin timing.
- Stop timing when the steady stream of glaze begins to break. A range of 19-24 seconds is normal. Add small amounts of water as needed to thin.



or

### 3A. Dipping with Hands

- Wearing protective gloves, use a smooth casual motion to submerge cone 04 bisque in glaze, covering approximately 90% of piece. Quickly lift ware out of glaze. Shake off ware to remove excess glaze and achieve uniform application. Let dry.
- Using same motion, dip unglazed portion, slightly overlapping glazed area for full coverage. Let dry.

### 3B. Dipping with Tongs

- Gently grasp cone 04 bisque with tongs and submerge in glaze covering entire piece.
- Quickly lift ware out of glaze. Shake ware to remove excess and achieve uniform application. Let dry.



### 4. Touch Up

After ware is dry, use an SB807 Fan Glaze brush to touch up tong marks or any missed areas with glaze. Use a TL 420 Palette Knife to shave off drips or runs to prevent airborne dust.



### 5. Fire Glazed Bisque

Let ware dry thoroughly. Set ware securely on clean, sharp stilts in kiln. Fire to shelf cone 06.

## brush on-step-by-step



### 1. Mix

Mix Clear Glaze with TL 420 Palette Knife.



### 2. Sponge Application

**A.** Dab a clean sponge into glaze and dab one coat over colors on surface of cone 04 bisque to cover. **B.** After the ware has dried thoroughly, dip a Glaze brush in glaze and apply a second coat.

or



### 2. Brush Application

Dip a Glaze brush in glaze and apply two flowing coats. Let dry between coats.



### 3. Fire Glazed Bisque

Let ware dry thoroughly. Set ware securely on clean, sharp stilts in kiln. Fire to shelf cone 06.



1120 °c - 1180 °c

英國白陶坭  
White Earthenware Clay

M222-11	10 kgs	
---------	--------	--



1020 °c - 1160 °c

英國低溫紅坭  
Red Terracotta-Low Fire

M223-11	10 kgs	
---------	--------	--



1080 °c - 1180 °c

英國拉坯白坭  
White Throwing Earthenware

M224-11	10 kgs	
---------	--------	--



1180 °c - 1280 °c

英國粗砂陶土  
Rustic Stoneware

M225-11	10 kgs	
---------	--------	--



1020 °c - 1160 °c

英國象牙白坭  
Ivory Earthenware Clay

M222-21	10 kgs	
---------	--------	--



1180 °c - 1230 °c

台灣陶坭  
Pottery Clay

M119-31	10 kgs	
---------	--------	--

1180 °c - 1200 °c

白瓷坭  
Pottery Clay (white)

M119-21	1 lb.	
---------	-------	--

1150 °c - 1200 °c

陶坭  
Pottery Clay

M119-11	1 lb.	
---------	-------	--

### 高溫窯板保護劑

#### High temp protective coating

Mix with water to consistency of thick cream. Stir thoroughly. Use a brush to apply a thin coat to kiln floor, top of kiln shelves and cone supports. Let dry. Do not paint sidewalls, lid, shelf bottoms.



### 優質透明釉 (乾粉)

#### Clear Glaze (Powder)

每磅



## 素燒製品

### 圓碟 Plate



PW0001	each	Dia. 25.4cm	
--------	------	-------------	--

### 咖啡杯連碟 Coffee Set



PW0002	set	Cup dia 6.7 x 6cm	
		Plate dia 13.6cm	



台灣陶坭作品



## 美芯木節陶土

### Pottery Clay

970 °C-1050 °C

M249-11	10 kgs	
---------	--------	--

素燒後呈米白色，適合泥捏及拉坯使用，適用於大型雕塑及高要求之陶藝創作，適合教學使用，台灣出品。



## 彩色低溫陶土

### Argila Pottery Clay

970 °C-1050 °C

M240-11	5 kgs	
---------	-------	--



100%天然成份，彈性非常高，適合做各種雕塑、模塑及拉坯用，製作中只需入水，天然風乾後窯燒，可和任何陶藝用光油混合使用。

It is high plasticity, It is easy and pleasant to work with. It is ideal for modeling, sculpturing and the potter's wheel. The clay can be moistened while working it. After finishing the desired piece, let it air dry and then fire in a kiln.

1	2	3	4	5	6	7	8
Red	White	Blue	Green	Yellow	Pink	Grey	Black

歐洲陶泥，不需釉藥，素燒後即呈現自然顏色！

## CONE CHART

Cone No.	Temp	Cone No.	Temp	Cone No.	Temp	Cone No.	Temp	Cone No.	Temp	Cone No.	Temp	Cone No.	Temp
022	590 °C	017	755 °C	012	866 °C	07	986 °C	03	1103 °C	3	1170 °C	8	1268 °C
021	617 °C	016	785 °C	011	886 °C	06	1001 °C	02	1122 °C	4	1187 °C	9	1280 °C
020	638 °C	015	809 °C	010	896 °C	05-1/2	1025 °C	01	1139 °C	5	1204 °C	10	1305 °C
019	686 °C	014	833 °C	09	925 °C	05	1048 °C	1	1156 °C	6	1222 °C		
018	727 °C	013	861 °C	08	957 °C	04	1062 °C	2	1164 °C	7	1245 °C		

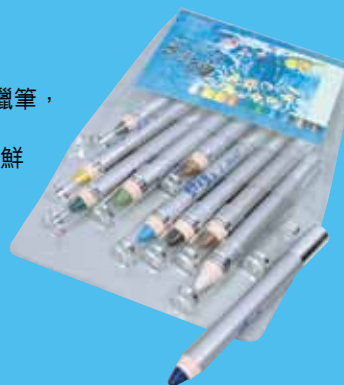
英國白陶坭作品

## 輕鬆畫釉下蠟筆

陶瓷釉下蠟筆是以金屬礦物高溫燃燒，無毒，水溶蠟筆，如沾污衣物、器具只需用清水擦拭沖洗，即可除去。

可耐溫度1260 °C~1350 °C；950 °C~1260 °C使用色彩鮮艷、穩定不會因溫度的高低而改變或燒失。

用法：彩繪時，直接摩擦塗抹在坯體上，顏色深明暗，可由塗抹的輕重、厚薄而定，可畫出素描的效果，完成蠟筆彩繪後，可再使用釉下水彩彩繪，相互運用，加強效果。



## 輕鬆畫釉下彩

陶瓷釉下蠟筆是以金屬礦物高溫燃燒，無毒，水溶性蠟筆，如沾污衣物、器具只需用清水擦拭沖洗，即可除去。可耐溫度1260 °C~1350 °C；950 °C~1260 °C使用色彩鮮艷、穩定不會因溫度的高低而改變或燒失。



兩種系列可供選擇

A. 寶藍、黃棕、艷綠、咖啡、黑、朱砂紅、黃、草綠、水青、白色。 \$ 230.00/盒

B. 孔雀綠、青綠、金黃、灰、孔雀藍、玉色、橙色、玫瑰紅、粉紅色。 \$ 230.00/盒



## 拉坯機 WHEELS

### 電動拉坯機 ELECTRIC WHEELS



**MS04 美芯電動拉坯機  
MEISUM ELECTRIC WHEEL**  
台灣製造220V，適合教學用途。  
Designed for student and hobbyist.  
Low noise and adjustable feet.  
A two pieces splash tray for easy  
cleaning after use.  
**Dimensions:** Lenght 530 x Width  
450 x Height 460 cm  
**Shipping Weight:** 40 kg  
**Current:** 3.5 Amp, 220V  
**Motor:** 1/3 HP reversible  
**Speed Range:** 0-250 rpm  
**Wheelhead:** Alloy dia.35cm



**SQ-LP-6 美芯電動拉坯機  
MEISUM ELECTRIC WHEEL**  
無級變速，左、右運轉，鋁合金盤  
面，採用電子變速，運轉平穩，扭  
力大，附有靜音效果。調速靈敏，  
控制開關器採用進口產品。  
**Dimensions:** Lenght 60 x Width  
47 x Height 46cm  
**Shipping Weight:** 42 kg  
**Current:** 220V, 370W  
**Motor:** 1/3 HP reversible  
**Speed Range:** 0-300 rpm  
**Wheelhead:** Alloy dia.30cm



**P6333 VENCO ELECTRONIC  
POTTERS WHEEL**

- High torque throughout speed range
- Generous cast aluminium tray  
with 70mm diameter drain hole
- Four-groove poly V-drive system
- Double insulated hoseproof foot prdal
- Forward/Off/ Reverse switch
- Totally enclosed fan-cooled  
permanent magnet
- 1/2hp motor

**Dimensions:** 68cm x 66cm x 58cmH  
**Wheelhead diameter:** 33cm  
**Weight:** 48kg  
**Clay capacity:** 45kg



**P6334 VENCO COMPACT  
POTTERS WHEEL 3 x 13"**

- Corrosion resistant aluminium tray
- Quiet operation
- Foot operated speed control
- 1/2hp motor

**Dimensions:** 68cm x 51cm x 56cmH  
**Wheelhead diameter:** 33cm(13")  
**Weight:** 30kg  
**Clay capacity:** 25kg



**P6332 VENCO COMPACT POTTERS WHEEL**

- Variable speed control and free-wheeling wheel head
- 30-240rpm, free-wheels when off
- Corrosion resistant aluminium tray and wheelhead
- Steel frame/body, zinc plated and painted with  
durable epoxy paint
- Mounted 1/2hp motor-quiet running
- Foot operated speed control
- Padded seat can be folded back for easy storage

**Barrel size:** 50cm x 48cm x 53 cmH  
**Weight:** 30kg  
**Clay capacity:** 25kg

Please call for quotation

### 腳踏拉坯機 KICK WHEELS



**P6122 FENTON KICK WHEEL**  
A standing kick wheel of sturdy  
construction.

- Plastic splash tray
- Heavy 30cm wheelhead
- Use for throwing or decoration

**Height:** 85cm  
**Weight:** 30kg  
**Clay capacity:** 10kg



**P6001 STANDING KICK WHEEL**

- The flywheel is positioned  
immediately beneath the working  
tray where it is encased
- Anti-skid feet to aid leveling or  
alter the wheelhead
- Front mounted treadle
- Self aligning ball bearing
- Silent running
- Carrying handles on either side  
of the wheel tray

**Dimensions:** 61cm x 92.8cm x  
68.5cmL  
**Wheelhead diameter:**  
25.5cm(10")  
**Weight:** 89kg  
**Clay capacity:** 25kg

## 陶藝室工程顧問 Pottery Room Engineering Consultants



本公司提供工程顧問服務，協  
助學校建立陶藝室、電窯、拉  
坯機，設計及訂製木傢具，包  
括木櫃、儲物架、檯椅、乾燥  
棚等。歡迎來電洽商。  
電話：2493 9200。



**P6530 澳洲抽真空鍊土機 Venco 75mm DE-AIRING PUGMILL**

**Standard features**

- Constructed from cast aluminium bodies
- Barrel splits for ease of cleaning
- Centrally mounted handle
- Safely grid fitted into feeding box
- 1/2hp single phase

**Outlet:** 75mm dia

**Output:** 250kg clay per hour approx

**Weight:** 70kg

**Dimensions:** 1330mm x 320mm x 400mm

**PUMP**

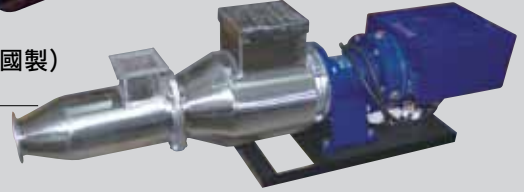
**Weight:** 25kg

**Dimensions:** 550mm x 365mm x 370mm



**SQ-LN-3 鍊泥機 (中國製) PUGMILL**

- Made in China



**坭板機 BRENT SLAB ROLLER**

**P6125/T1 TABLE MODEL**

- Slab Roller 36 x 93 cm
- Weight:** 92kg

**P6125/T4 FLOOR MODEL**

- Slab Roller 53 x 102 cm
- Weight:** 82kg
- Patented drive system

**P6125/A LEG ASSEMBLY of T1**

**P6125/B LEG ASSEMBLY for T4**

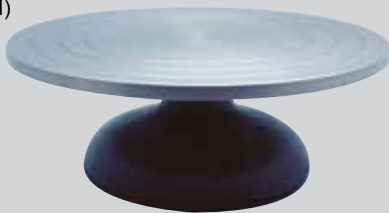
**泥塑鋼轉盤 Pottery Turntable - Steel**

**M182-21**

30cm dia. x 10cm (H)

**M182-22**

17cm dia. x 9cm (H)



**焗漆轉盤 MEISUM TURNTABLES**

三款型號可供選擇，精美焗漆，堅固耐用

**KMS0325** Large (Dia. 25cm, height 6cm) 5kg

**KMS0322** Medium (Dia. 22cm, height 6cm) 4.5kg

**KMS0318** Small (Dia. 18cm, height 5.5cm) 2.5kg

**K-MS02 美芯壓模機 MEISUM CLAY EXTRUDER**

- An essential piece of equipment for all pottery
- Constructed with 100mm stainless steel
- Supplied with 4 die plates for making 32 kinds of shapes and coils.

**P6577 英國壓模機 CLAY EXTRUDERS**

- Supplied with a range of five die plates as standard
- Barrel size:** 70 x 70 x 310mm
- Barrel capacity:** 1.7kg
- Level length:** 740mm
- Weight:** 6kg



**ADDITIONAL DIE PLATES**

Additional die plate are available as follows:

**P6585** Square hollow die plate

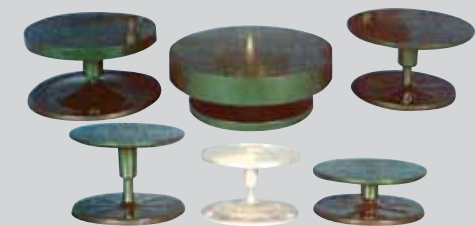
**P6586** Round hollow die plate

**P6587** Hexagonal hollow die plate

**P6588** Triangular hollow die plate

**P6577** Set of 5 die plate

**P6579** Blank die plate



**座台轉盤 WHIRLERS**

**P6590** Alloy whirler (203 x 76mm) 2kg

**P6591** Alloy whirler (203 x 150mm) 2.5kg

**P6592** Cast iron whirler (254 x 152mm) 6kg

**P6593** Cast iron whirler (305 x 127mm) 15.5kg

**P6020/1** Light whirler (178 x 114mm) 0.6kg

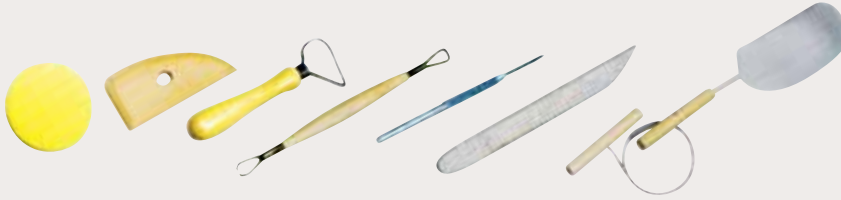
**P6022/1** Alloy whirler (254 x 152mm) 2.3kg

# 拉坯工具 THROWING TOOLS



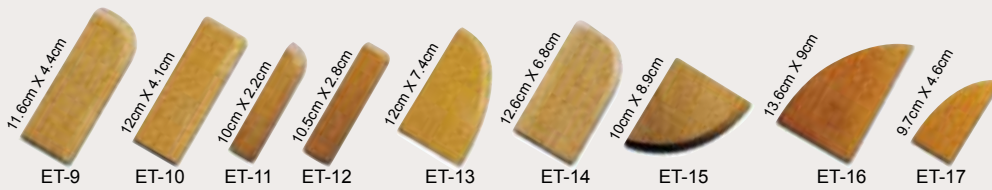
弧形板 ( 套装 ) Edge Tools

8 pcs/set

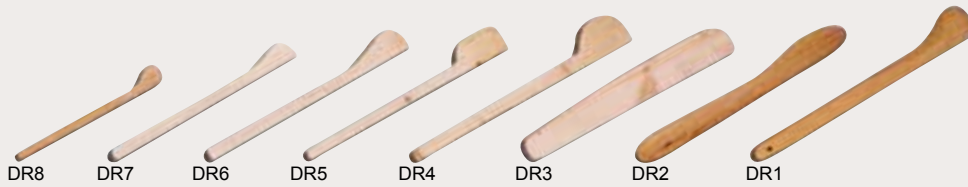


拉坯工具組 Pottery Tool Kit

8 pcs/set



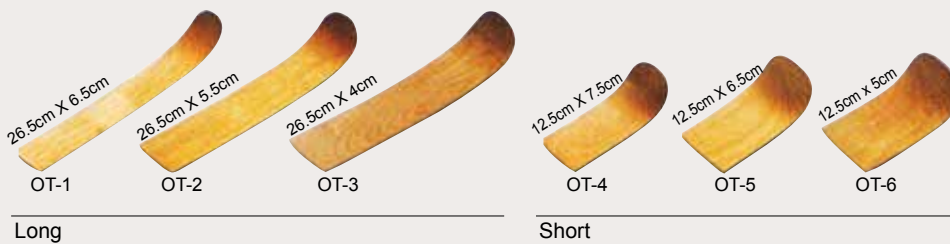
弧形板 ( 散装 ) Edge Tools



木柄抹板 Throwing Sticks  
(DOUBLE "O" Rib)



木柄抹板 Throwing Sticks



牛舌修坯器 OX Tongue

10 pieces/set



拉坯工具組 Pottery Tool Set

10 pieces/set

工具用法說明：



# 修坯工具 TURNING TOOLS

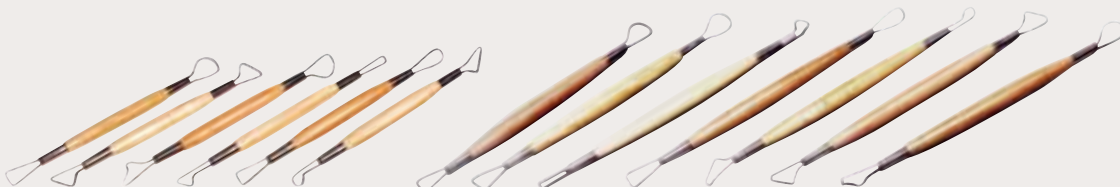
## 8 3/4" 修坯刀

Flat Stainless Wire Ended Tools  
7 pcs/set



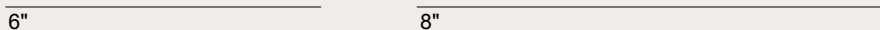
## 6" 修坯刀 Ribbon Tools

6 pcs/set



## 8" 修坯刀 Ribbon Tools

7 pcs/set



## 8" 修坯刀 Ribbon Tools

F.8 - F.16  
9 pcs/set



## 修坯刀 Turning Tools



5 pcs/set

9 pcs/set

## 鋁柄修坯刀

Mine Ribbon Sculpting Tool



7 pcs/set

## 修坯刀 Turning Tools

TT1 - TT4



TT1

TT2

TT3

TT4



## 刮刀 Turning Tools

Long TT19 - TT21  
3 pcs/set

Short TT22 - TT24  
3 pcs/set



Long

Short

# 修坯刀組 TRIMMING TOOLS

刮刀 Sculpturing Tools 6-1/2"



3 pcs/ set

刮刀 Sculpturing Tools 6"



3 pcs/ set

馬蹄形刮刀 Scraper



SR-1

SR-2

蛋形刮刀 Scraper



SR-3

單頭刮刀 Handle Makers



HA-1

HA-2

HA-3

HA-4

HA-5

刮刀 Loop Tools



LT-1 - LT-10 10 pcs/set

木片 Potters Ribs



10 pieces/set

牛角片 OX Horn



OH-1

瑪瑙刀 (明針)



AK-1

不鏽鋼片 Steel Scrapers



SS-1 - SS10 10 pcs/set

橡皮片



FR-1 - FR-3  
3 pieces/set

蕾絲刀組 Ceramic Tools



CT1 CT2 CT3 CT4 CT5 CT6 CT7 CT8 CT9 CT10 CT11

CT1 - CT11 11 pcs/set

打洞器 Hole Cutters



HC-1 21mm HC-2 12.5mm HC-3 7.8mm HC-4 4.5mm

4 pcs/ set

打洞器 Hole Cutters



3 pcs/ set

打洞銅管 Hole Cutters Tools



12 pcs/set

# 雕塑工具 MODELLING TOOLS

## 雕塑木刀 Box Wood Modeling Tools



6" 19 pcs/ set



8" 19 pcs/ set

## 木刀 Box Wood Modeling Tools

5-3/4"



12 pcs/set

## 特殊木刀 Special Wood Modeling Tools

5-3/4"



B1 - B3 3 pcs/set  
B4 - B12 9 pcs/set

## 鋼絲刀 Double Wire End Tools

6"



10 pcs/set

## 刻花工具 Double Ball Stylus Wire Loop Graffito



DB1 0.8mm & 1.2mm  
DB2 1.3mm & 1.8mm  
DB3 1.8mm & 2.8mm  
WL1 WL2

5 pcs/ set

## 特殊刀 Special Wood Modeling Tool



WL3 - WL7 5 pcs/ set

## 鋼絲刀 Double Wire End Tools

8"



8D1 - 8D6 6 pcs/set

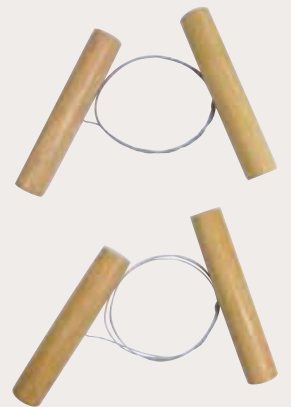
## 鋼絲刀 Double Wire End Tools

10"



10A - 10D 4 pcs/set

## 鋼絲線 Clay Cutter



## 鋼絲刀 Double Wire End Tools

8"



8A1 - 8A8 8 pcs/set

## 雕塑工具 MODELLING TOOLS

單頭鋼絲刀 Wire End Wood Tools 4"



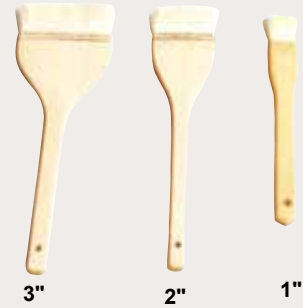
WT1-WT5 5 pcs/ set

單頭鋼絲刀 Wire End Wood 6"



WT1-WT6 6 pcs/ set

毛刷 Hair Brush



3"

2"

1"

## 製壺工具 POTTERY TOOLS KIT

手捏壺工具組 Hand-Made Tooling



一套

宜興製壺工具 Yixing Teapot Making Tools



一套

## 雜項工具 MISCELLANEOUS TOOLS

泥槍 Clay Gun



Large

泥槍 Clay Gun



Small

中國傳統技藝手拉杯  
Chinese Traditional Wheel-thrown Pottery



推泥墊板 Canva Cloth Board



TT047 each 12"x12"

不鏽鋼捏塑工具 Stainless Steel Modelling Tools Set



T351-11 4 pcs / set

Length

9.5cm

12.5cm

13.7cm

15.7cm

# 雜項工具 MISCELLANEOUS TOOLS

## 刀具組 Cutting Tool



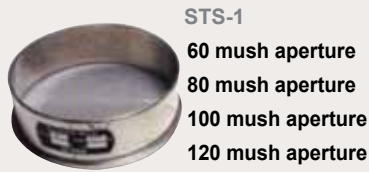
## 刮刀組 Palette Knives



## 桿麵棍 Hardwood Rolling Pins



## 準篩網 Standard Sieve



## 噴霧 Metal Atomizer



## 手轉盤 Bench Whirlers



## 木條 Hardwood Slabbing Strips



## 木珠棒 Flower Petal Set \$70.00/set



## 飯匙拍板 Plain Board



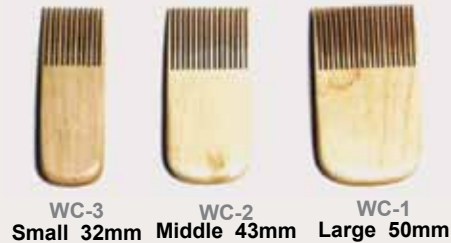
## 拍板 Engraved Board



## 研钵 Mortars



## 木櫛 Wooden Comb



## 工具袋、帆布、工作服 Canvas



## 浸釉夾 Dipping Tongs



## 海綿棒 Sponge Tool



## 噴刷 Splatter Brush



# 雜項工具 MISCELLANEOUS TOOLS

## 壺把 Teapot Handles

Cane Rattan

Bamboo

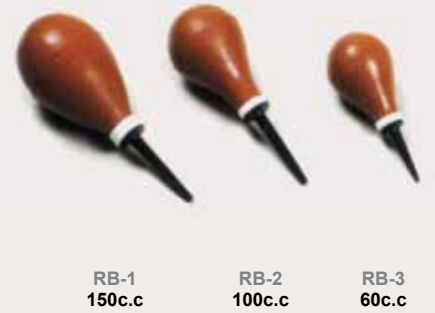


Size: 4", 5", 6"

## 鐘錶機芯 Clock Movements



## 橡膠球 Rubber Bulb

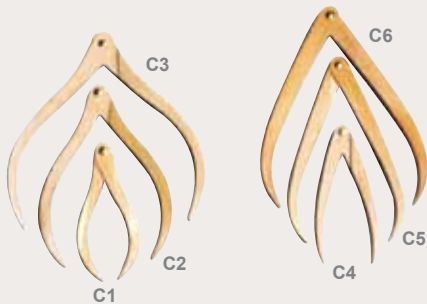


RB-1  
150c.c

RB-2  
100c.c

RB-3  
60c.c

## 木測徑器 Wood Calipers



## 木測徑器 (內外徑) Wood Calipers



LM-1  
8"

LM-2  
10"

LM-3  
12"

## 不鏽鋼測徑器 Aluminium Calipers



A4  
4"

A5  
5"

A6  
10"

## 鋁測徑器 Aluminium Calipers

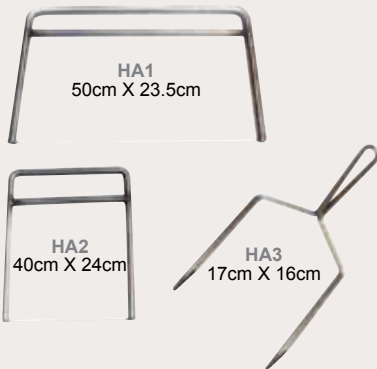


A1  
8"

A2  
10"

A3  
12"

## 切土器 Harps Iron & Bamboo Arch



## 切土器 Harps Iron & Bamboo Arch



## 白雲毛筆 Chinese Brushes



## 海棉磚 Color Sponges



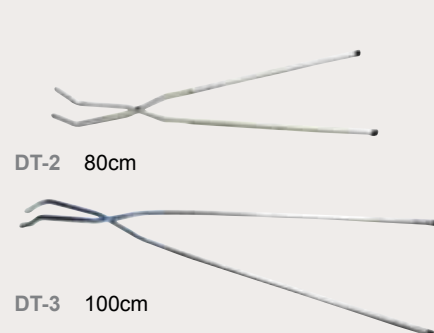
Size: 1"x3"x5"

A130-11

## 規板 (腳墊高度) Wood Bats



## 樂燒夾 Firing Tong



## Underglaze Blue-White Writing



Large 250cc

Small 100cc

共7種顏色

A 明朝青花料

B 康熙青花料

C 乾隆青花料

D 古代吳須

E 釉裡紅

F 海碧青花料

G 珠明料片

部份工具需海外訂購，請早預訂，歡迎查詢。 Part of the goods required to overseas orders, please order in advance.



## 畫筆 BRUSHES

### 畫皇畫筆套裝 SKYISTS BRUSH KITS

Art. 205-5



**T339-21** Art.205-5

Art. 205-5: High quality nylon brush set. Includes flat 3/4", 1/2", 1/4" and round #8, #2.

### 畫皇畫筆套裝 SKYISTS BRUSH KITS

Art. 200-M



**T339-24** Art.200-M

Art. 200-M: High quality nylon brush set. Includes round #0, #2, #6, #10, #14.

### 畫皇圓頭短幹水彩畫筆200型 Skyist Brushes Art.200

- T339-50** Size 000
- T339-51** Size 00
- T339-52** Size 0
- T339-53** Size 2
- T339-54** Size 4
- T339-55** Size 6
- T339-56** Size 8
- T339-57** Size 16
- T339-58** Size 18
- T339-59** Size 20

S200系列：短木幹圓頭尼龍毛畫筆  
(水彩、廣告彩、塑膠彩、油畫適用)  
Water colour oil.acrylic and  
gouache. nylon hair

*Enables you to create a range  
of brushstrokes from elaborate  
designs to exacting details. For  
smooth, even application of solid  
color and shaded design work.*



### 畫皇短幹平頭水彩畫筆202型 Skyist Brushes Art.202

- T339-81** Size 1/8"
- T339-82** Size 1/4"
- T339-83** Size 3/8"
- T339-84** Size 1/2"
- T339-85** Size 5/8"
- T339-86** Size 3/4"
- T339-87** Size 1"

S202系列：短木幹平頭尼龍毛畫筆  
(水彩、塑膠彩、油畫適用)  
Water colour oil.acrylic and  
gouache. nylon hair

*For shading, lettering, ribbon  
effects, varying line widths,  
banding and drybrushing.*



## 電窯 KILNS

### HEATWORKER Front Loading Kilns

- Front loading door
- Fitted with captive key or electro mechanical interlocks to safely isolate the mains electricity before opening the kiln.
- High-grade elements for low cost firing.
- Fast firing capacity.
- Fitted with power-on, kiln-on warning lamps.

#### Model - P5942/MP

**Chamber Capacities** : 128 litres (4.5 ft<sup>3</sup>)  
**Weight** : 270kg  
**Power Rating** : 7.5kW  
**Maximum Temperature** : 1300 °C

#### Firing Chamber

- 410mm width x 450mm depth x 680mm height

#### Overall Dimensions

- 760mm width x 1000mm depth x 1560mm height

#### Controller

- complete with TC3300/2 programmable controller, 10 program, 4 segments. Kilns fitted with the TC3300/2 range of controllers come with an additional protection relay

#### Furniture Kit - P5842

- 10 x P5431 batts
- 12 x P5508 props
- 12 x P5509 props
- 12 x P5513 props
- 12 x P5530 props
- 12 x P5531 props
- 1 x P3380 batt wash

- Brick to brick door seal
- Powder coated paint for durability
- Stainless steel surrounds
- Wired for single phase or three phase as standard
- High grade elements
- 'Power-on', 'kiln-on' warning lights
- Fitted with Harting socket for ease of controller flexibility

#### Model - P5943/MP

**Chamber Capacities** : 171 litres (6 ft<sup>3</sup>)  
**Weight** : 315kg  
**Power Rating** : 9kW  
**Maximum Temperature** : 1300 °C

#### Firing Chamber

- 400mm width x 550mm depth x 750mm height

#### Overall Dimensions

- 730mm width x 1042mm depth x 1563mm height

#### Controller

- complete with TC3300/2 programmable controller, 10 program, 4 segments. Kilns fitted with the TC3300/2 range of controllers come with an additional protection relay

#### Furniture Kit - P5842

- 10 x P5434 batts
- 12 x P5508 props
- 12 x P5509 props
- 12 x P5513 props
- 12 x P5530 props
- 12 x P5531 props
- 1 x P3380 batt wash



# 電窯 KILNS

## Iguana Cone 10 Kilns

### Features:

- Front loading door
- Chamber Capacity of 4.2 cubic feet
- Electrical savings with extra insulation
- Cone 10, 2350°F
- Type-K thermocouple with 1/4" sheath
- Sentry 2.0 controller with programmed cool-down
- Two tapered peep-holes in the left side
- 1/2" heavy steel door hinge rod with sealed bearings

Size: 18" wide x 22 1/2" high x 18" deep  
Come with a 22" tall stand without caster



### Sentry 12-key 2.0

- Temperature Display throughout firing and cooling in your choice of °C or °F.
- Stop/Back Key goes back one step with each key press during programming. Use this feature to correct programming errors.
- Program Review lets you check that the program you are about to fire is correct.
- Audible Temperature Alarm to remind yourself to close a vented lid or to check the kiln near firing completion.
- Program Safety Lock for the program in active memory.



### Iguana Furniture Kit:

- 3 x C-17 Full Shelves
- 1 x C-17H 1/2 Shelf
- 1" wide Square Posts
- 4 each of 1/2", 1", 2", 3", 4", 5", 6" lengths
- 1 pound bag Kiln Wash



## Falcon Front Loading Kilns

### Standard Features:

- Chamber Capacities 122 litres
- Over Temperature Protection as Standard on all models
- Electro-Mechanical Door Safety Interlock Standard on all models
- Sturdy Pressed Steel Cabinet
- Two Door clamps for Positive Door Sealing
- High Gloss Enamel Finish

### Firing Chamber

- 460mm width x 460mm depth x 580mm height

### Overall Dimensions

- 715mm width x 1016mm depth x 580mm height

### TC60P

- Fully programmable controller, containing 5 programmes each consisting of 0-16hr delay, 2 ramps with intermediate setpoint, to top temperature with 0-16hr dwell followed by cooling ramp if required. Facility to link programmes



## USEFUL TIPS & INFORMATION

### PLACING YOUR KILN

#### Kiln shelves (batts) should be:

- The correct size for your kiln
- An appropriate thickness in relation to the temperature
- Supported evenly with sufficient gaps to allow air circulation
- Coated in batt wash for glost firings

#### Ware should be placed:

- At least 5cm from the elements
- Without touching each other
- Evenly distributed in the kiln
- Remember to wipe the feet of glazed pieces or, for earthenware, use stilts
- Using cranks for glazed plates and tiles will save kiln space

### FIRING CYCLES

#### The rate of temperature increase should be:

- Slow for a bisque firing (*between 90 and 150°C per hour up to 650°C*), depending on the size/thickness of the ware
- Slow up to 150 °C for a glost firing
- Slow if the items have thick or varying cross section

# 耐火磚套裝 KILN FURNITURE SETS

## 耐火磚套裝 KILN FURNITURE SETS



### P5841 for P5941 kiln

**Refractory Batt:** Rectangular 190 x 356 x 19mm  
**Tubular Prop:** Height 75, 100, 180 mm  
**Prop Extension:** 45mm Dia. 13mm thick  
**Batts Wash:** P3380 1 kg

### P5842 for P5942 kiln

**Refractory Batt:** Rectangular 216 x 343 x 19mm  
**Tubular Prop:** Height 75, 100, 150mm  
**Prop Extension:** 45mm Dia. 13, 25mm thick

### P5843 for P5943 kiln

**Refractory Batt:** Rectangular 241 x 381 x 19mm  
**Tubular Prop:** Height 75, 100, 150 mm  
**Prop Extension:** 45mm Dia. 13, 25mm thick

### P5844 for P5120 kiln

**Refractory Batt:** Rectangular 279 x 356 x 19mm  
**Tubular Prop:** Height 75, 100, 150 mm  
**Prop Extension:** 45mm Dia. 13, 25mm thick  
**Batts Wash:** P3380 1 kg

Please call for quotation

## 炭化高溫圭板 (配合電窯內尺寸) SQUARE SHELF

300mm X 400mm **\$360.00**  
 350mm X 400mm **\$380.00**  
 370mm X 500mm **\$490.00**  
 500mm X 500mm **\$790.00**



## 高溫方形托柱 (配合炭化高溫圭板使用) TRIANGULAR POST

1" **\$18.00**      6" **\$37.00**  
 2" **\$25.00**      8" **\$47.00**  
 3" **\$29.00**      10" **\$57.00**  
 4" **\$32.00**      12" **\$62.00**  
 5" **\$35.00**



## 控溫器

### CAMBRIDGE CONTROLLERS

Offer precise temperature/ program control for electric kilns.

All models have a memory to save your programs, along with a delayed start and soak temperature control.



### TC3300/2

- LED display °C/°F
- Delay start (0-99 hour 59 min)
- 10 programs
- 4 selectable ramps and dwells
- Security lock



### K-P5349 程序式控溫器201 (不計測溫棒)

#### Programmer/ Controller 201 (without Thermocouple)

Delayed programme start 0 to 99 hrs 59 mins. Controlled heating ramp 1-100°C. HR to first set point 0-1300°C.

Full power to second set point 0-1300°C. Power to kiln is switched off when temperature has fallen to this set point value and the end of programme is signalled.



### K-P5369 程序式控溫器401+ (不計測溫棒)

#### Programmer / Controller 401+ (without Thermocouple)

A fully programmable controller with ten operational programmes.

A delay start facility up to 100 hours, two controlled heat ramps up to 1000°C per hour. Automatic shut off and indication of end of cycle.

### CONTROLLERS COMPARISON

Type	Delay start	Number of ramps	Dwell between ramp	Dwell at max temperature	Controlled cooling	Preset programs	Saves users program	Program linking
Cambridge 401+ P5369	✓	2		✓		5	10	✓
Cambridge 201 P5349	✓	3 (1 fixed)		✓	✓	-	10	

### The maximum temperature will be determined by:

- The maturing temperature of the clay (you MUST go to this maturing temperature EITHER with the bisque or the glost firing)
- The maturing temperature of the glaze

### SOAK PERIOD

- Even out the temperature of the glaze
- Improve glost finishing

### COOLING

- Should be done naturally
- Open the kiln door at 80°C or below

### DRYING

#### Many firing failures are due to incorrect drying:

- Use warmth from the kiln to assist drying in the workroom
- Use the kiln to finish off drying, place the kiln controller to 100°C/hr, up to maximum temperature 100°C,
- Run the programme

### FIRING COSTS

- As a guide the approximate cost of firing

a kiln is 6p per kW per hour  
 eg. p5942 4 ft3 - 7.5 kW kiln  
 (6p x 7.5 = 45p/hour)





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