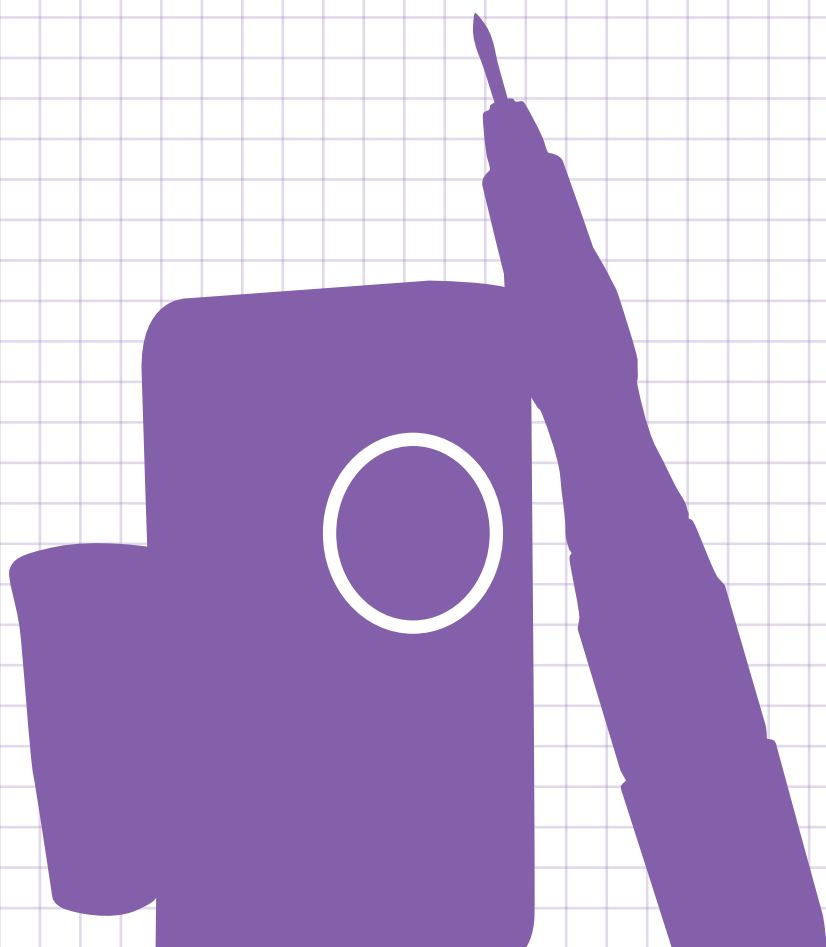




Made in KOREA

CRAFIEN

2019 / 2020



saeyang

Welcome to SAEYANG

Thank you for your interest and support for our products.

We, Saeyang Microtech, has continued to grow since its foundation in 1976 specialized in manufacturing micro-handpieces for laboratory and dental field with enjoying a good reputation from overseas more than 100 countries as well as Korea.

The most important thing is superior quality of our products and through this, we always do our best for customer satisfaction as our top priority. Also we focus on developing new products by advanced technical innovation in R&D center and launching at least more than two models in the market with ongoing investments for new facilities each year.

We exhibit at overseas famous exhibitions more than 18 times in the United States, Germany, France, Spain, UK, Italy, H.K and China. During those exhibitions, we have a good opportunity to establish mutual trust and confidence with our buyers over 100 countries.

Saeyang will always do our best to listen to any needs and requirements of the customer.

Thank you for your continued support.

President & CEO
Jung Pil Shin



SAEYANG History

- 1976 Company Established
- 1977 Registered manufacturing of medical equipment.
- 1987 Registered trading business
- 1989 Registered Korea medical equipment cooperative association
- 1991 Registered of designs for engine for dental laboratory
- 1998 Certified ISO 9001 from TUV (Germany)
- 1999 Certified CE Mark from TUV (Germany)
- 2000 Certified Venture enterprise for high technology
- 2001 Awarded official Superior Exporting Firm
- 2001 Awarded Leading Enterprise
- 2002 Certified CE Mark of New item "Escort"
- 2003 Registered manufacturing Brushless motor
- 2003 Certified CE Mark of "Marathon Multi 600" Brushless motor
- 2004 Established R&D center
- 2004 Certified CE Mark of New item "Marathon N7&N2"
- 2005 Certified CE Mark of New item "Marathon HANDY700 Series" Brush/Brushless motor
- 2005 Awarded official best Exporting Firm
- 2006 Moved into a new factory
- 2006 Certified PSE from TUV
- 2006 Opening Ceremony of a new factory as well as the 30th anniversary
- 2008 Certified ISO 9001 : 2000 from SGS (U.K)
- 2008 Certified ISO 13485 : 2003 from SGS (U.K)
- 2008 Certified Directive 93/42/EEC from SGS (U.K)
- 2010 Certified CE Mark of New item "Endo e class"
- 2011 Development of Endo a class
- 2012 Dental contra angle
- 2013 Developed Implant Motor
- 2013 Certified FDA (Endo Motor)
- 2014 60,000RPM Handpiece Developed
- 2014 20:1 Optic Handpiede Developed
- 2015 Certified FDA CFDA(Implant Motor)
- 2015 Awarded Grand Prize for 2015 Best Company in Daegu City
- 2016 Awarded for Exporting US\$ 20 million
- 2016 Awarded for Daegu Star Company
- 2017 Factory expansion
- 2017 Development of Endo E plus
- 2017 Development of Ki-20 Advance
- 2017 Development of K35 cube
- 2018 Development of Endo A Class (APX)
- 2018 Development of MINI cro
- 2018 Korean World-class Product Award 2018

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Crafien Products Line-up

30V Micro Motor



E-Motor Type



12V Micro Motor



E-Motor Type



24V Micro Motor



Control box





Micro Motor Nail File



30V Micro Motor Handpiece

H200



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 143g
- Cord length : 1.5m

SH20N



- Dimensions : L128 x Ø26 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.7 Ncm
- Weight : 146g
- Cord length : 1.5m

H20



- Dimensions : L151 x Ø26 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 156g
- Cord length : 1.5m

SH30N



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 160g
- Cord length : 1.5m

H35SP1



- Dimensions : L152 x Ø28(mm)
- Speed : 0 - 35,000 rpm
- Max. Torque : 3.2 Ncm
- Weight : 201g
- Cord length : 1.5m

SH300S



- Dimensions : L135 x Ø23 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 1.6 Ncm
- Weight : 135g
- Cord length : 1.5m

E-Type Motor



MODEL M30Es

- Dimensions : L99 x Ø25 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 3.2 Ncm
- Weight : 109g
- Cord length : 1.5m

MODEL ES-6

Straight Handpiece



MODEL M33Es

- Dimensions : L99 x Ø25 (mm)
- Speed : 0 - 35,000 rpm
- Max. Torque : 2.6 Ncm
- Weight : 109g
- Cord length : 1.5m



MODEL M40Es

- Dimensions : L99 x Ø25 (mm)
- Speed : 0 - 40,000 rpm
- Max. Torque : 2.2 Ncm
- Weight : 109g
- Cord length : 1.5m

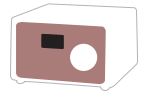
K35 Digital



yellow



silver



rose gold

Features

- Digital speed display window
- Auto - cruise control (in case of connection variable speed control)
- Automatic System
 - power save / FWD-REV
 - overload protection, warning LED
- Variable speed control pedal (FS-60)
- On/Off Foot Switch (SFP-27)



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 40W
- Speed : MAX 35,000 RPM
- Weight : 1.13 kg
- Dimensions : W120 x D120 x H75(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

K35 *Cube*



Features

- Non - stage speed control volume dialing system
- Built-in handpiece cradle and bit stand
- Forward&reverse direction switch
- On/Off Foot Switch (SFP-27)



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 45W
- Speed : MAX 35,000 RPM
- Weight : 1.3 kg
- Dimensions : W120 x D120 x H85(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

M3 Mighty

Features

- Non - stage speed control volume dialing system
- Built-in handpiece cradle and bit stand
- Forward&reverse direction switch
- On/Off Foot Switch (SFP-27)



▶ H200



▶ SH20N



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 45W
- Speed : MAX 35,000 RPM
- Weight : 1.26 kg
- Dimensions : W118 x D156 x H89(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

M3 Champion

Features

- Non - stage speed control volume dialing system
- Built-in handpiece cradle and bit stand
- Forward&reverse direction switch
- On/Off Foot Switch (SFP-27)



▶ H200



▶ SH20N



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 45W
- Speed : MAX 35,000 RPM
- Weight : 1.23 kg
- Dimensions : W118 x D158 x H78(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

Escort III

Features

- Powerful performance with low noise & vibration
- Non-stage speed control volume dialing system
- One-touch change of driving direction efficient operation
- On/Off Foot Switch (SFP-27)



▶ SH20N



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 40W
- Speed : MAX 30,000 RPM
- Weight : 1.23 kg
- Dimensions : W112 x D147 x H77(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

Escort II pro

Features

- Powerful performance with low noise & vibration
- Built-in handpiece cradle and bit stand
- Automatic safety overload protection system
- Forward&reverse direction switch
- Variable speed control pedal (FS-60N)
- On/Off Foot Switch (SFP-27)



2019
NEW
VERSION

▶ SH20N



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 45W
- Speed : MAX 30,000 RPM
- Weight : 1.25kg
- Dimensions : W134 x D154 x H82.4(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

NEW N2

Features

- Automatic safety overload protection system
- Dust-proof cover for switch
- On/Off Foot Switch (SFP-27)
- Variable speed control pedal (FS-60)



► H35SP1



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 40W
- Speed : MAX 35,000 RPM
- Weight : 1.2 kg
- Dimensions : W115 x D147 x H96(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

NEW N7

Features

- Automatic safety overload protection system
- Dust-proof cover for switch
- On/Off Foot Switch (SFP-27)
- Variable speed control pedal (FS-60)



► H35SP1



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 50W
- Speed : MAX 40,000 RPM
- Weight : 1.7 kg
- Dimensions : W115 x D147 x H96(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

memo



12V Micro Motor Handpiece

H200



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 1.6 Ncm
- Weight : 143g
- Cord length : 1.5m

SH300



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 143g
- Cord length : 1.5m

SH20N



- Dimensions : L136 x Ø26 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.7 Ncm
- Weight : 158g
- Cord length : 1.5m

SH300S



- Dimensions : L135 x Ø23 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 1.6 Ncm
- Weight : 135g
- Cord length : 1.5m

MH20(20K)

- Dimensions : L120 x Ø20 (mm)
- Speed : 0 - 20,000 rpm
- Max. Torque : 1.3 Ncm
- Weight : 121g
- Cord length : 1.5m

MH20(30K)

- Dimensions : L120 x Ø20 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 1.3 Ncm
- Weight : 121g
- Cord length : 1.5m

MH20E

- Dimensions : L96 x Ø20 (mm)
- Speed : 0 - 20,000 rpm
- Max. Torque : 2.2 Ncm
- Weight : 70g
- Cord length : 1.5m

M300Es

- Dimensions : L97 x Ø23 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.4 Ncm
- Weight : 86g
- Cord length : 1.5m

K38

Features

- Standard type / Clip type
- MAX 8hours (MH20)
- LI-ION battery (rechargeable)
- Digital speed display window
- LED display for battery charging level
- Automatic System
 - power save / FWD-REV
 - overload protection (warning signal)
- On/Off Foot Switch (SFP-27)



white

pink

blue

black

2019
NEW
VERSION

What's different

STANDARD
VERSION

2019 NEW
VERSION



▲ case color match



Specifications control box only

- Power supply : DC 12V
- Electric power : 24W
- Speed : MAX 30,000 RPM
- Weight : 277 g
- Dimensions : W67 x D128 x H30(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand, Holder (optional), Cradle(optional)

MINI cro



white

pink

hot pink

blue

black

Features

- Clip type
- LI-ION battery (rechargeable)
- Speed display LED [white >> sky blue >> blue >> pink]
- Overload protection
- FWD-REV
- Pause button
- Battery remaining indicator



Specifications control box only

- Power supply : DC 12V
- Electric power : 24W
- Speed : MAX 30,000 RPM
- Weight : 225 g
- Dimensions : W65 x D147 x H25(mm)
- Contents : Control unit, Handpiece, Handpiece stand
Holder (optional), Cradle(optional)

Combi *Portable*



Features

- MAX 4hours
- Rechargeable Battery
- Power-On & Speed Control Knob at One Dial
- Forward/Reverse Switch
- On/Off Foot Switch (SFP-27)
- Portable Carry-on Bag



Specifications control box only

- Power supply : DC 12V
- Electric power : 24W
- Speed : MAX 25,000 RPM
- Weight : 268g
- Dimensions : W73 x D170 x H34(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand

memo



24V Micro Motor Handpiece

H200



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 30,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 143g
- Cord length : 1.5m

SH250



- Dimensions : L129 x Ø22 (mm)
- Speed : 0 - 25,000 rpm
- Max. Torque : 2.9 Ncm
- Weight : 143g
- Cord length : 1.5m

MH24(20K)



- Dimensions : L120 x Ø20 (mm)
- Speed : 0 - 20,000 rpm
- Max. Torque : 2.3 Ncm
- Weight : 121g
- Cord length : 1.5m

MH24E



- Dimensions : L96 x Ø20 (mm)
- Speed : 0 - 20,000 rpm
- Max. Torque : 2.2 Ncm
- Weight : 70g
- Cord length : 1.5m

Combi 24

Features

- Forward/Reverse Switch
- Hand/Foot Switch
- On/Off Foot Switch (SFP-27)



white



silver



red



black



Specifications control box only

- Power supply : AC100 - 120V or 200 - 240V 50/60 Hz
- Electric power : 24W
- Speed : MAX 25,000 RPM
- Weight : 882 g
- Dimensions : W117 x D154 x H72(mm)
- Contents : Control unit, Handpiece, Foot control, Handpiece stand



Spare parts

Collet sleeve



Collet chuck



Armature ass'y



Spindle ass'y



Hand cap ass'y



Moter case ass'y



Carbon brush



FS60 /FS60N Variable Speed Foot Pedal

For K35 / Escort II Pro / New N2 / New N7



Ball Bearing



SFP-27 / SFP-22 On / Off Foot Switch

For M3-Champion / M3-Mighty / Escort III
K38 / K35 cube / combi portable / combi 24



Portable Bag**Shoulder Bag****Motor Cord**

Straight / Curling

**Charger Cord**

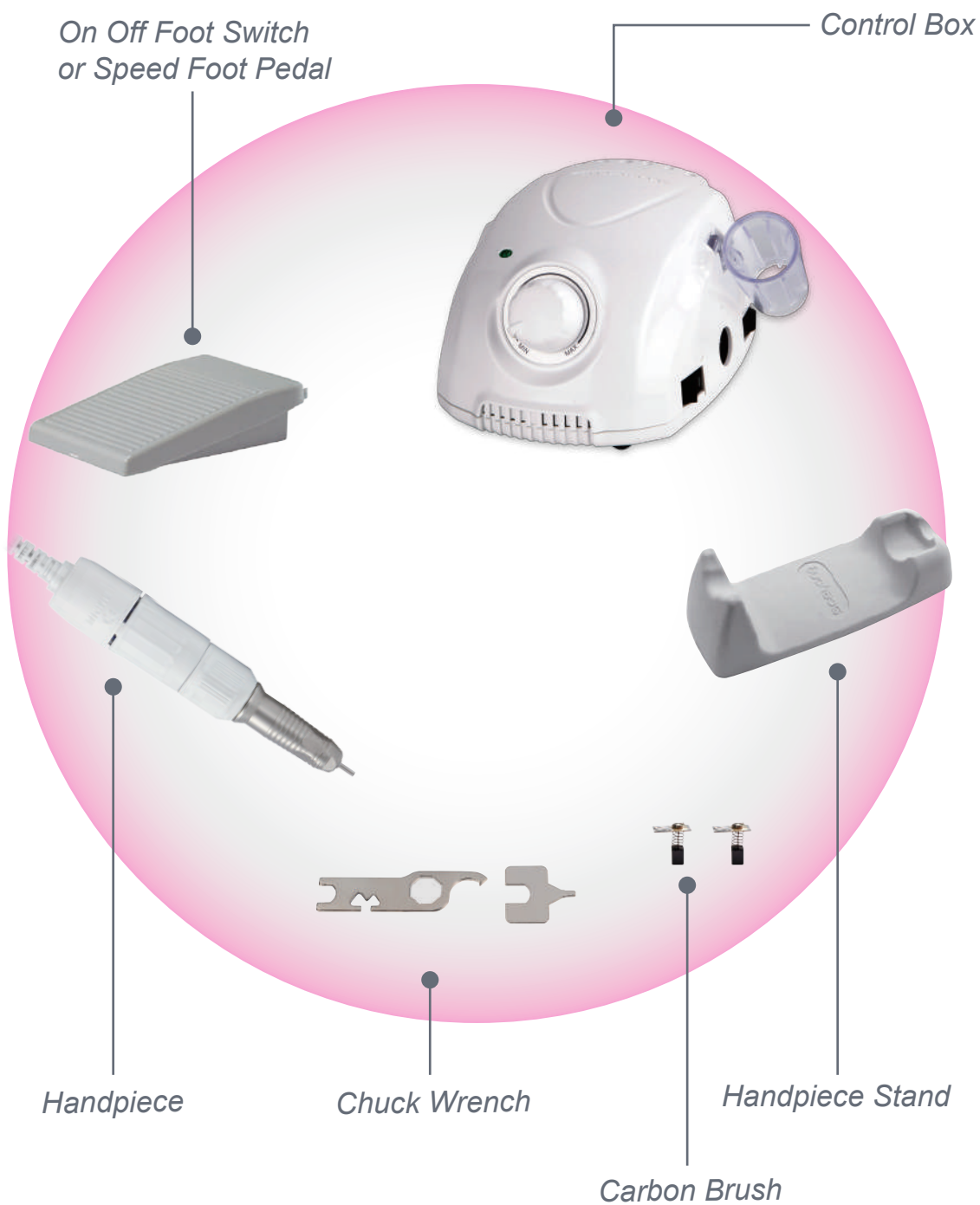
New K38 / MINI cro

**Nail bit case****Dust cap****Nail Pusher****Handpiece Cradle****Handpiece Stand****Cradle**

For K38 / MINI cro

**Chuck Joint Wrench****Chuck Wrench**

Complete set



User guide

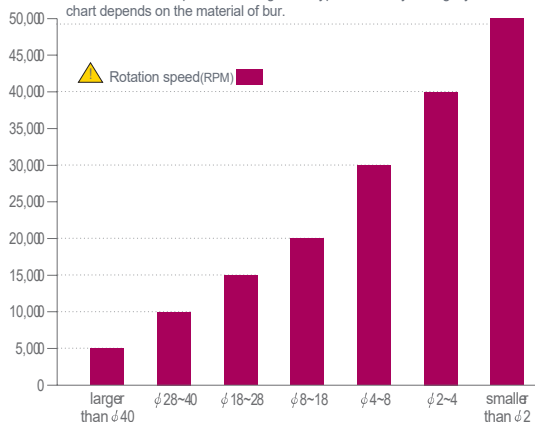
(For safety & efficiency)

* Precaution

1. Do not operate a micromotor with a bent, asymmetrical or damaged bur. Must operate it with a standard bur.
2. Do not start the motor at a high rotation speed.
Start from the low speed and change it slowly to the desired speed.
3. For your safety, do not exceed the rotation speed according to the type of bur.
4. Do not try to open/close the chuck handle during operation.
5. Clean the motor after use.

* Allowable rotation speed

Do not exceed the allowable rotation speed according to the type of bur for your safety. Allowable rotation speed according to the type of bur may be slightly different from the chart depends on the material of bur.



※ This chart for allowable rotation speed can be slight different depending on bur materials or type



Check the product if everything is set before use.



Do not drop the product.
Dropping the motor may damage ball bearing or weaken durability of the motor



Check the product if there is any flaw, crack, or faulty adhesion before use.



In order to take the bur out of the handpiece, release the chuck handle(shift to the left side, R) to open the collect chuck. Make sure to close the collect chuck(shift to the right side, S) before use



Do not exceed the maximum speed.



Wear a safety goggles/shield and mask to protect your face from cutting and grinding works



Check if the product is overheated when you use it at the maximum speed for long. When it gets overheated, you must stop the product and cool it down before use.



If the product works abnormally, stop the product immediately and contact your dealer for repair.



For safety, make sure to read and understand the operation manual carefully before use.



Do not customize the product.



Avoid exposing the product to high temperature and humidity. Daily inspection & maintenance are required.



Make sure to turn off the product after use. Leaving the product turned on is very dangerous and may cause overheating.

since 1976

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Mobile App (Android / ios)



App Store



Google play

saeyang



세계일류상품

Professional Nail File