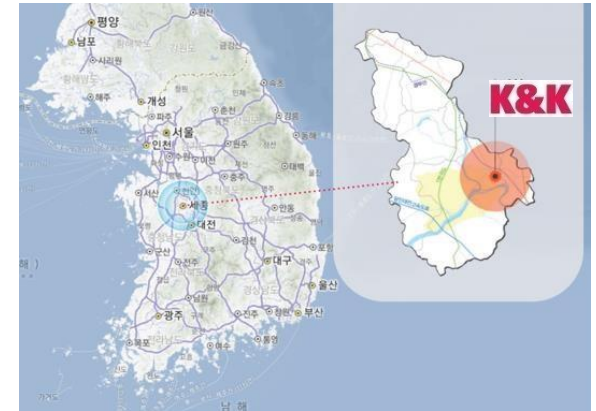




Health & Beauty specialist

K&K Introduction

- **Established** Feb. 2017
- **Location:** Sejong-si, Korea
- **Site area:**
K&K factory (5,331.4m²)
- **Sales:**
 - 2021 year - USD 14 million
 - 2022 year - USD 14 million
 - 2023 year - USD 18 million
- **Employee:** 102 people
- **Department:**
Production, R&D, QA, Design, Marketing, HR, etc.
- **Main product:**
Toothbrush, Tube(Toothpaste, Cosmetic)



[K&K factory]

Product Development – R&D, Design department



Corporate affiliation in Material business and Finished product business

- Development on the facility, manufacturing lines and innovative products
- Design to commercialize toothbrush (OEM/ODM)

• Licenses status

- ISO 9001:2015
- Certificate of company affiliated research institute
- Qualified as Quasi-drug business manufacturer (KFDA)
- Confirmation of Venture business

• Patent status (Toothbrush & Mask)

- Patents: 14
- Design related certificates: 16
- Trademark registration: 7



Product Development – QA department



Quality assurance is guaranteed through specified process control and systematic inspection on finished products

- Developed its own know-how to minimize defected products
- Has various quality guaranteed system by securing internal measuring machines

- QA equipment



Electronic microscope
Observes the tip of the filament



IZOD impact testing machine
Measures the toothbrush's neck break strength

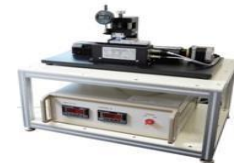


Endurance test machine
Test the toothbrush's durability and check the filament condition

Universal testing machine
Measures toothbrush's tensile strength



Stiffness measurement
Measures filament's stiffness



K&K production – Facilities

Automatic co-injection machine



- **ENGEL, Woojin machine**
-220t: Dual 3 m/c, Single 1 m/c
-90t: Single 1 m/c
- **Capacity:** 1,500,000/mth

✓ **Handle:**

Able to inject both Single and Double injection toothbrush handles

Anchor(General & Pattern) tufting machine



- **Boucherie machine**
-General tufting: 10 m/c
-Pattern tufting: 2 m/c
- **Capacity:** 1,500,000/mth

✓ **Pattern(Anchor):**

Able to tuft 1-3 different kinds of filaments simultaneously

Anchor Free tufting machine



- **Boucherie machine:** 2 m/c
- **Zahoransky machine:** 1 m/c
- **Capacity:** 300,000/mth

✓ **Anchor Free:**

Able to customize toothbrush hole design to customer's preference

Automatic packing machine



- **Hoonga, Joyang machine**
-Auto packing: 1 m/c
-Semi-Auto packing: 2 m/c
- **Capacity:** 2,500,000/mth

✓ **Blister packing:**

Able to pack blisters in 1, 4, 8, 12 units

K&K – Current customers

> Finished products(toothbrush, face mask)

Main customers

LION



LINKO

AMORE PACIFIC



K&K total: Approx. 140 customers



K&K – Current customers

> Tube(toothpaste, cosmetic)





K&K

Toothbrush product lines

K&K products – KKP01-2



Filament with Ingredients

- PBT Tapered Filament

- └ Pink : Double Taper
- Black : **Charcoal ingredient**, Double Taper

Filament can be produced with any ingredients such as antibacterial, fluorine, salt, gold and so on

Pattern type toothbrush for sensitive teeth

Soft brush feeling from vertical & horizontal pattern
2 color of bristle can be tufted

- Head Size: 23.1mm
- Head Thickness : 4.80mm

Handle Material : PP + Rubber slip-resistant
Ergonomic design

- Handle size : 186.30mm

K&K products – KKP02



Spiral filament

- PBT Spiral Tapered Filament

- White/Blue : **Spiral** Tapered filament
- White & Blue : Calcium carbonate, Double

Spiral filament is the twisted filament to increase the cleaning power and exclusive visual

X TREME toothbrush

Strong cleaning power from various tufting pattern type
3 color of bristle can be tufted

- Head Size: 23.2mm
- Head Thickness : 4.80mm

Handle Material : PP + Rubber slip-resistant

Cylindrical design for easy grip

- Handle size : 186.10mm



K&K products – KKP12-1

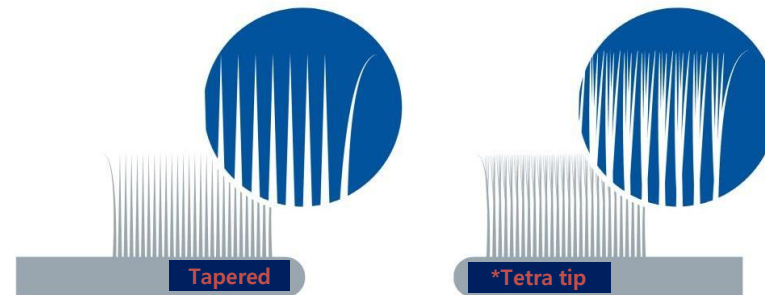


Tetra Tapered Filament

- PBT Tetra Tapered Filament

└ White : Double

The 4 super thine tapered tips in one filament can provide the incredible soft brush feeling on gum line and interdental part.



Thin and Long toothbrush

- Easy to reach to molar via thine and triangle shape head
- Comfort brush feeling from 3mm thickness head

-Head Size : 26.70mm

-Head Thickness : 3mm

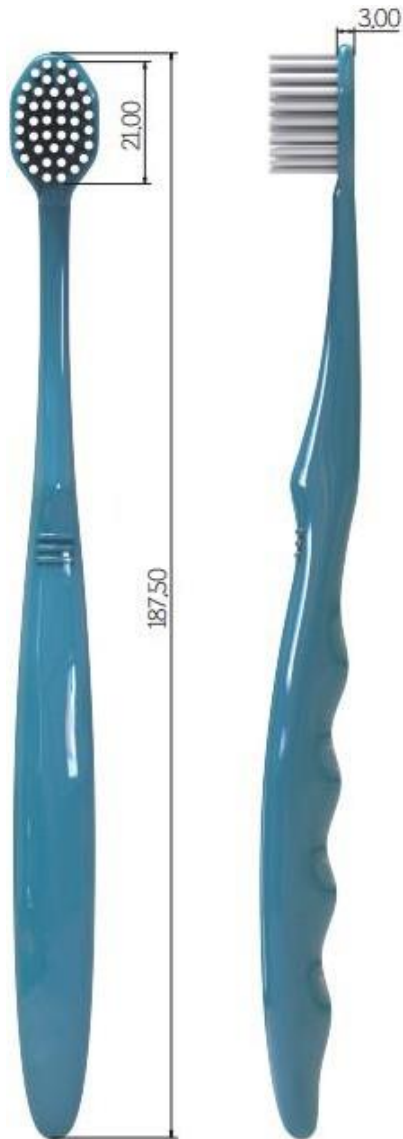
Handle Material : PBT

Modern design and Comfortable grip

- Handle size : 193.25mm

The detail of information on Tetra tip will be sent

K&K products – KKP12-2



Double Tapered filament

- PBT Double Tapered Filament

└ White : Double



The Double tapered filament is commonly used.

Any concept can be applied such as dual core, color tip, Spiral and so on

Thin and Hexagonal Toothbrush

- Comfort brush feeling from the Hexagonal shape head

-Head Size: 21.00mm

-Head Thickness : 3.00mm



Handle Material : PBT

Modern design and Comfortable grip

- Handle size : 193.25mm



K&K products – KKP013



Dual core filament ----->

- PBT Dual core Tapered Filament

- └ White : Double
- Tip : Blue / Body : Black - Dual core filament

Two colors in one filament (Tip color and Body color)
More elastic than normal tapered filament



Dual core toothbrush

- Good brush feeling from Long shape of head
- Stiff and Soft brush feeling from dual core

-Head Size: 27.70mm

-Head Thickness : 4.80mm

Handle Material : PP + Rubber slip-resistant
Rubber grip for comfortable.

- Handle size : 190.30mm

K&K products – KKP05



AFT filament

- PBT Tapered AFT Filament

- White, Blue : Single AFT Taper
- White/Blue : Spiral, Single Taper

The 15mm to 16mm Short length can be tufted without anchor (Stainless steel)

Tornado toothbrush (NO Steel)

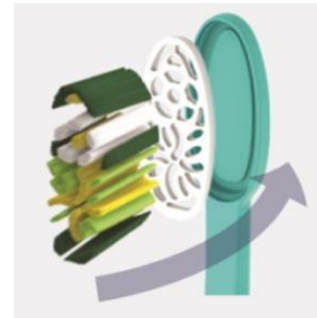
- The elastic brush feeling from short length of tapered filament
- 5 color and different types of bristle can be tufted
- Plentiful brush feeling due to the curved tufting
- The bigger head

- Head Size: 24.0mm
- Head Thickness : 4.50mm

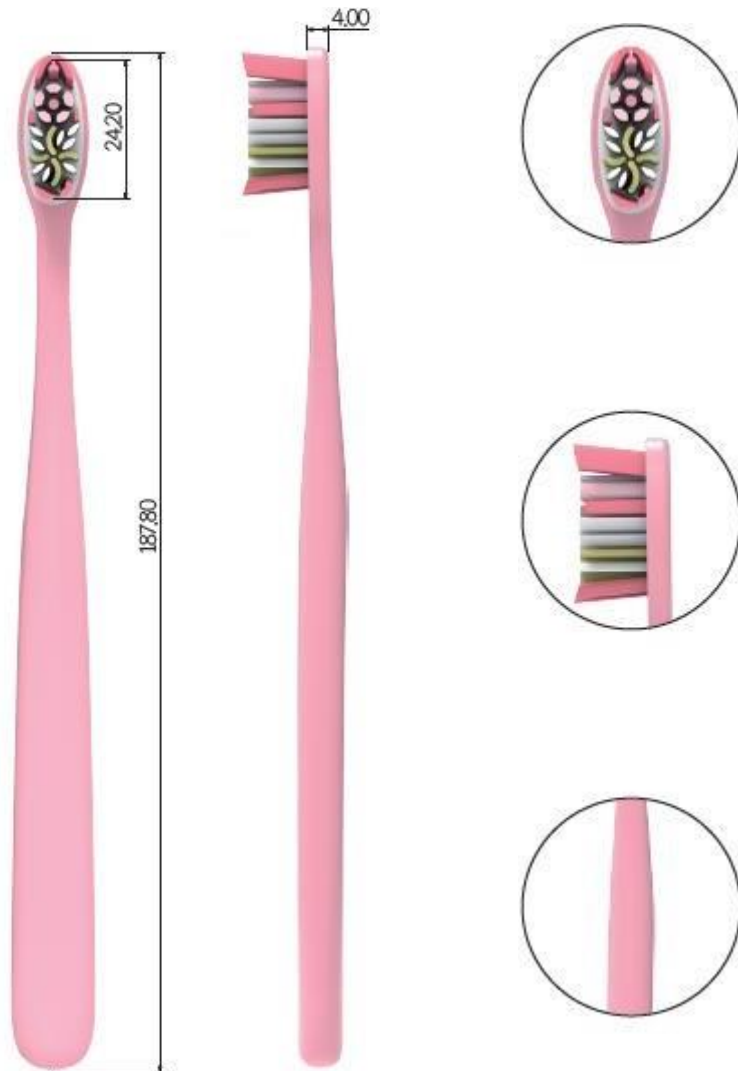
Handle Material : PP + Rubber slip-resistant

Rubber grip for comfortable.

- Handle size : 194.70mm



K&K products – KKP04



AFT Color tip

- **PBT Tapered AFT Filament**
 - ↳ The color tip



The color at the tip is fading out after brushing for 2 months.

Flower toothbrush (NO Steel)

- The elastic brush feeling from short length of tapered filament
- 5 color and different types of bristle can be tufted
- Plentiful brush feeling due to the curved tufting
- The bigger head

-Head Size: 24.0mm
-Head Thickness : 4.50mm

Handle Material : PP + Rubber slip-resistant

Rubber grip for comfortable.

- Handle size : 194.70mm

K&K products – KKP06



AFT AB filament

- PBT Tapered AFT Filament

The SGS test report grantee that **99.9% antibacterial efficiency**



Gentle care toothbrush (NO Steel)

- The elastic brush feeling from short length of tapered filament
- 5 color and different types of bristle can be tufted
- Plentiful brush feeling due to the curved tufting
- The bigger head

-Head Size: 25.7mm

-Head Thickness : 4.50mm

dentouch
for healthy tooth, dentouch

- Soft and elastic tapered filament toothbrush
- Cleansing Plus! :
Patented cross shaped tufting technology increases detergency
- Gently cares the gum
by fine filament



X-Shape at center, tufted as pattern type,
cleans all corners of teeth



Cross-Shape at center would clean
the surface of teeth



V-Shape at lower part, would clean
the curved surface of teeth

sensitive

K&K Pattern type
Tapered Toothbrush

K&K Pattern type Tapered Toothbrush

XTREME

- Strong cleaning power
from various tufting pattern style

- ✱-Shape at center, tufted as
pattern type cleans surface
of teeth and inside of teeth
- Rectangle shaped holes
powerfully brushes the teeth
- Comfortable and sophisticated
circular handle
(Utility model: 30-0836971)



dentouch*

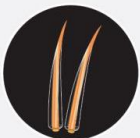
Touching the healthy teeth, dentouch

CHARCOAL

dentouch
Touching the healthy teeth, dentouch



Natural Charcoal tapered toothbrush



0.01mm Soft and elastic fine tapered filament toothbrush



Nonslip handle stably supports the thumb



dentouch
for healthy tooth, dentouch



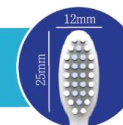
dentouch
Touching the healthy teeth, dentouch

Clean

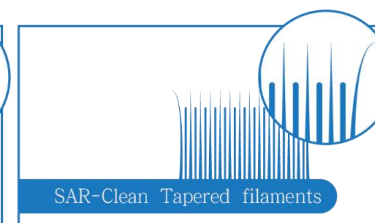
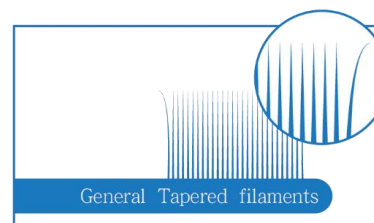
“SAR-Clean”

“SAR- Clean” is a dual cleaning toothbrush with compact design and the product was manufactured based on tapered filament technology.

Compact head toothbrush



Compact head (25mm X 12mm) reaches and cleans every corner of the mouth.



- The bristles enable three-dimensional cleaning by tufting with differences in heights.

K&K
K&K Co., Ltd.

<http://www.knkbrush.com>

soft bristles

Kids'

Oral care for kids
Complete tooth and gum care

STEP1

Stability-guaranteed pigment
used (FDA approved)

Stainless Anchor (Rust Free)

Free from endocrine-disrupting
chemicals (BPA, PBBs, PBDEs)

Free from eighth heavy metals
and seventh phthalates



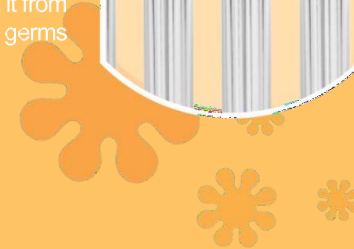
Toothbrush head for children

The head is designed
to fit inside the mouth
of children to help
brush every corner
of the mouth.



Antimicrobial bristles

Antimicrobial bristles
keep you toothbrush
clean by protecting it from
germs



SAYEE

STEP2 / 3

Stability-guaranteed pigment
used (FDA approved)

Stainless Anchor (Rust Free)

Free from endocrine-disrupting
chemicals (BPA, PBBs, PBDEs)

Free from eighth heavy metals
and seventh phthalates



Thank you