

CATALOGUE

SOGA

ULTRASONIC PIEZO

BONE SURGERY

DENTAL EQUIPMENT



CATALOGUE

03 WHY DENTAL EQUIPMENT ?

04 SOGA ULTRASONIC PIEZO BONE SURGERY

Profile Product Soga Ultrasonic Piezo Bone Surgery

18 CUSTOMER SUPPORT

Monday - Friday : 8am - 5pm. (GMT +7)
Saturday : 8am - 1pm. (GMT + 7)

OVERVIEW *SOGA*[®]

WHY DENTAL Equipment?

The SOGA Ultrasonic Piezo Bone Surgery is an advanced ultrasonic surgical system designed to redefine bone surgery through a commitment to being efficient, safe, and simple. It offers a minimally invasive approach that prioritizes both clinical precision and patient recovery.

Key Advantages

- **Exceptional Safety through Selective Cutting:** The system distinguishes between hard and soft tissues, ensuring only bone is cut while eliminating the risk of injuring nerves, membranes, or arteries.
- **Enhanced Bone Healing:** Precise irrigation control prevents bone overheating, which significantly reduces postoperative edema and pain.
- **High-Precision Visibility:** A combination of built-in LED lighting and the hemostatic effect of cavitation ensures a clear, unobstructed view of the operative field.
- **Ultra-Fine Surgical Results:** The device produces clean, narrow, and regular cuts, allowing surgeons to retain maximum bone volume with minimal incisions.
- **Superior Operator Comfort:** The handpiece features an ergonomic, slim design that improves working efficiency and greatly reduces hand fatigue during long procedures.
- **Intuitive Control A:** 7-inch HD touch screen and a multi-function foot switch allow for seamless mode selection and water flow adjustment without interrupting the workflow.
- **Reliable and Silent Performance:** Engineered for stability, the device operates powerfully yet quietly, ensuring a comfortable environment for both the dentist and the patient.

SOGA[®]

ULTRASONIC PIEZO BONE SURGERY



Standard Package

(Piezo + 1 Handpiece + 6 Tip)

RP.37.000.000

High-End Package

(Piezo + 2 Handpiece + 12 Tip
+ 2 Optional Tip)

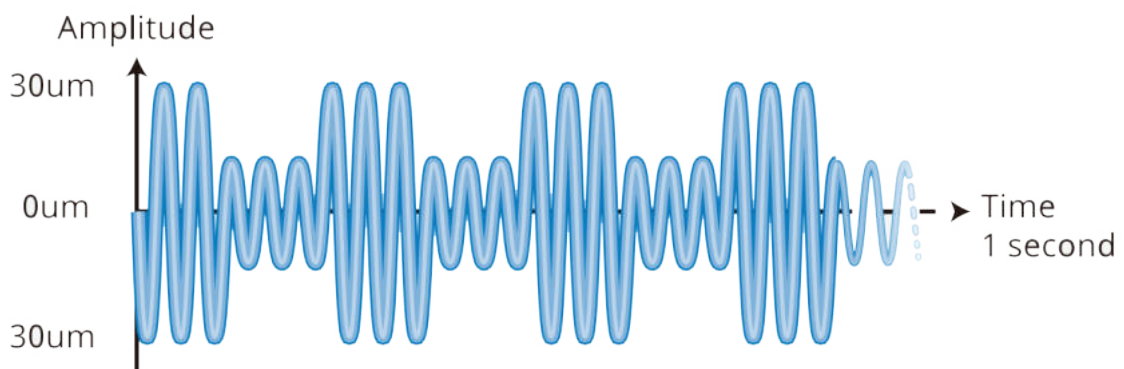
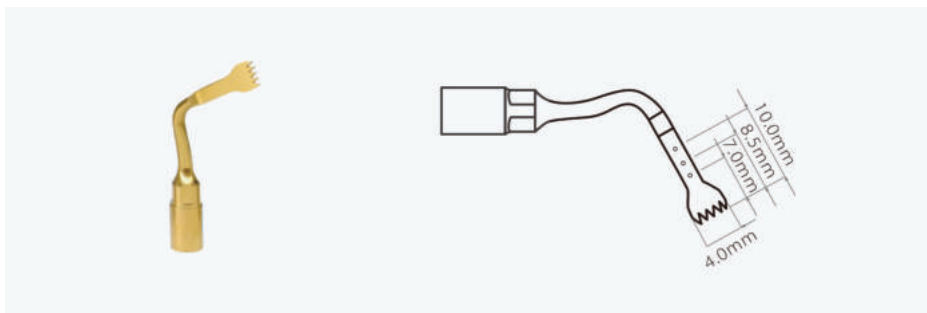
RP.44.200.000

EFFICIENT SAFE SIMPLE
EFFECTIVE POSITION TO ACHIEVE MINIM ALLY INVASIVE



High-performance Handpiece

135mm x 19mm Slime Handpiece ergonomic design: improves working efficiency and greatly reduces hand fatigue



- Tips rust resistance increase by 200%
- Radium Amplitude: 20-200 um
- Horizontal Amplitude: <30 um
- Minimum Incision: 3.5mmx0.5mm



Enhanced Ergonomics

The new handpiece offers enhanced ergonomics, boasting a 5% reduction in diameter compared to the previous version.

The non-lighted handpiece offers improved encapsulation integrity, leading to a 20% increase in durability and longevity.



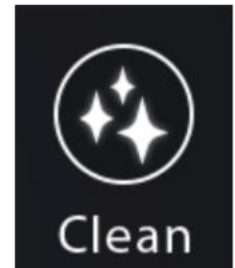
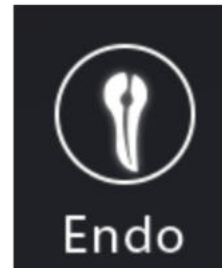
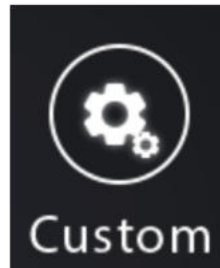
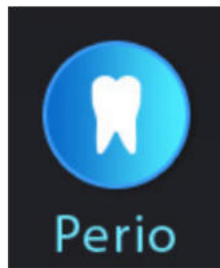
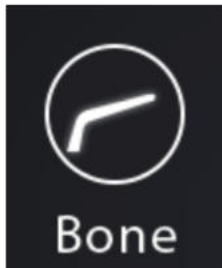
7" HD Touch Screen



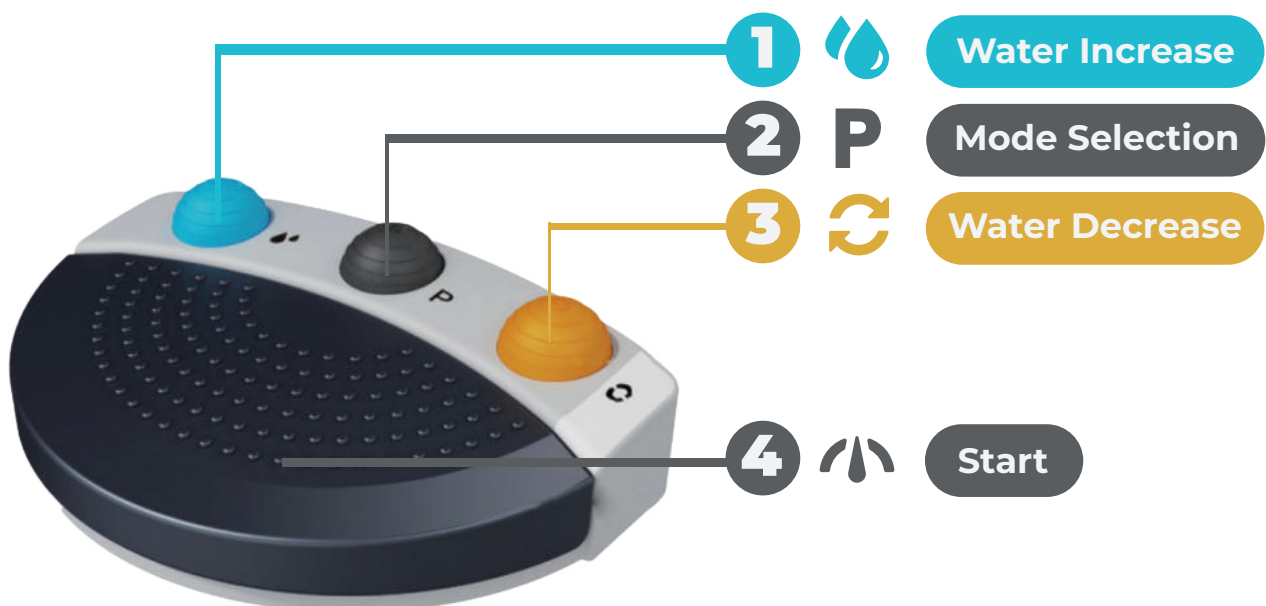
Peristaltic Pump

- ✓ Quick set-up
- ✓ Robust
- ✓ Silent running
- ✓ Precise and constant flow rate (avoid bone overheating)

5 Working Modes



Multi-functional Foot Switch



List of material included in the supply (High-End Package)



Device | x1



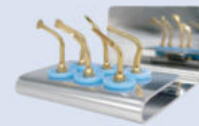
*B1 [LED] B2 [NON LED] | x2



Multi-function foot pedal with cable | x1



*Torque wrench | x2



*Tips | x12



Power cable | x1



*Sterilize Box | x2



Hook | x1



Pump tube | x4



*Silicone handpiece holder | x2

***Note : In Standard Package:** smart handpiece with cable B1 x1; Silicone handpiece holder x1; Torque wrench x1; Tips x6; Sterilize box x1

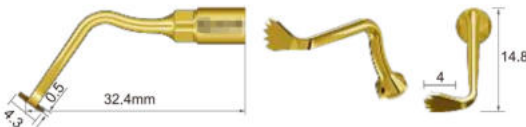
Tips Osteotomy

US1



High efficient osteotomy for large bone during maxillofacial surgery and exodontia exodontics

US1R



Right angel horizontal osteotomy technique in maxilla and mandible.

US2



High efficient osteotomy technique in maxilla and mandible(ridge expansion, corticotomy technique, bone block grafting)

US3



High precise osteotomy in anatomically thin structure

US4



Periodontal osteotomy, bone chips harvesting, inflammatory tissue removal

US5



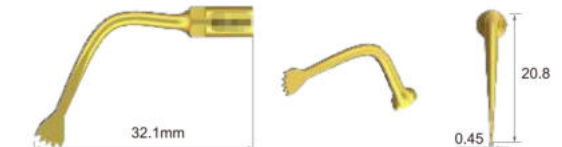
High efficient bone osteoplasty, bone remodelling and harvesting of bone chips

US6



High precise osteotomy in anatomically thin structure (ridge expansion, corticotomy technique)

US7



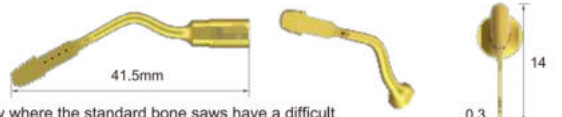
High efficient osteotomy for large bone during maxillofacial surgery and exodontia exodontics

US11



Ridge expansion, bone block grafting, Le fort osteotomy biateral sagittal split osteotomy

US12

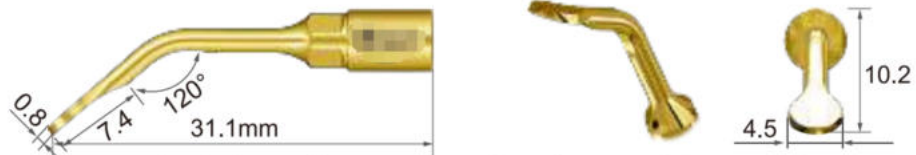


For osteotomy where the standard bone saws have a difficult surgical approach

Tips

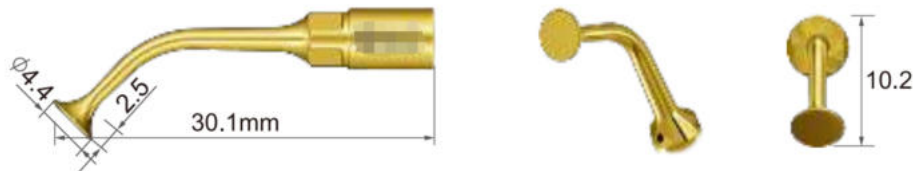
Sinus lift

UL1



Sinus membrane separation in internal area, non-cutting elevator of sinus membrane

UL2



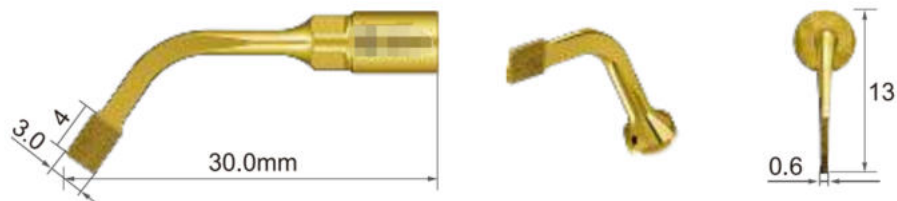
Schneiderian membrane separation from bony wall, sinus membrane separation

UL3



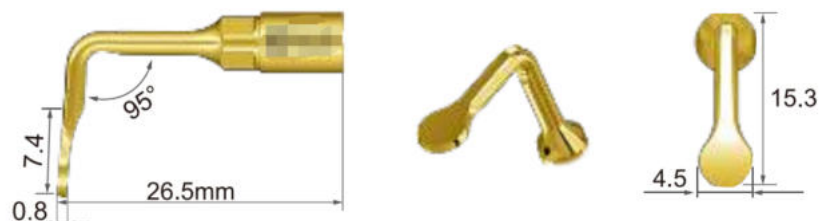
Diamond-coated instrument for micrometric osteotomy or osteoplasty, to finalize the osteotomy or osteoplasty on thin bone and/or near delicate anatomic structure

UL4



Diamond coated instrument for micrometric osteotomy, to finalize the osteotomy in proximity of soft tissue

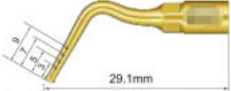


UL5

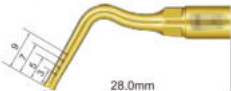







Sinus membrane separation in internal area, non-cutting elevator of sinus membrane




Tips




Implant preparation




UI1   
 29.1mm
 Φ1.6mm implant site preparation, the working area length of the tip is 9mm

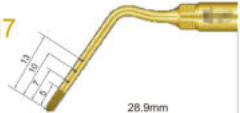

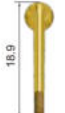
UI2   
 28.0mm
 Φ2mm implant site preparation insert

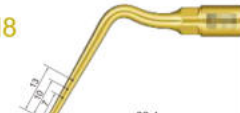


UI3   
 37.0mm
 Φ2mm implantation site preparation insert, with water spray from the top of the tip to reduce the heat

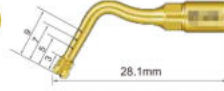


UI4   
 37.0mm
 Φ3.8mm implantation site preparation insert, with water spray from the top of the tip to reduce the heat




UI5   
 37.0mm
 Φ2mm implantation site preparation insert, with water spray from the top of the tip to reduce the heat




UI6   
 32mm
 Φ3.8mm implantation site preparation insert, with water spray from the top of the tip to reduce the heat

UI7   
 28.9mm
 Diamond coated instrument for finalizing the implant site preparation close to the alveolar nerve

UI8   
 32.4mm
 Φ1.6mm implant site preparation insert. The working area length of the tip is 15mm

UI9   
 28.1mm
 Φ2.8mm implant site preparation insert, with water outlet

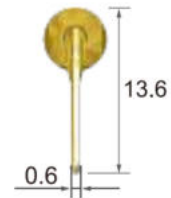
UI10   
 32mm
 To optimize concentricity of implant site preparation of Φ3mm

UI11   
 33mm
 To finalize the implant site preparation

Tips

Extraction

UC1



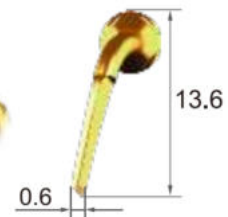
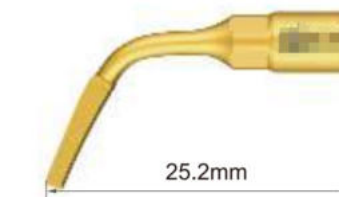
For cutting off the ankylosis and root fraction technique

UC1L



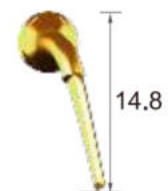
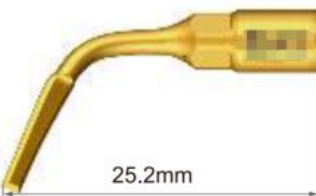
Left curved tip to cut off ankylosis and root fraction

UC1R



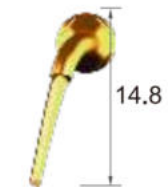
Right curved tip to cut off ankylosis and root fraction

UC2



Left curved tip to cut off ankylosis and root fraction in posterior region

UC3



Right curved tip to cut off ankylosis and root fraction in posterior region

Tips

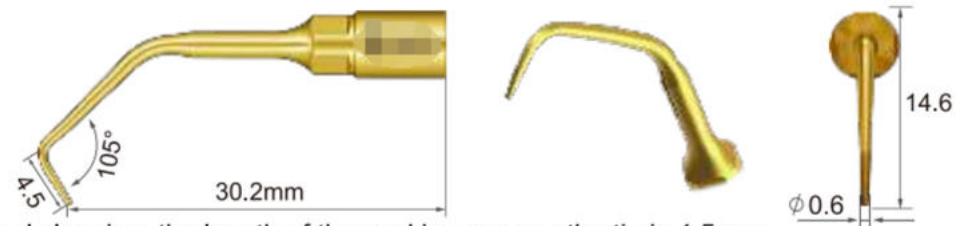
Endo treatment

UE1



Diamond coated instrument for apical root debridement, the length of the diamond coated on tip is 3.3mm

UE2



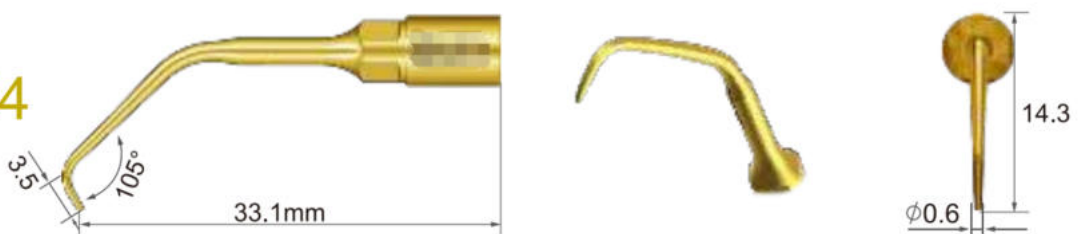
For gentle canal cleaning, the length of the working area on the tip is 4.5mm

UE3



Diamond coated instrument for apical root debridement, the length of the diamond coated part is 2.2mm

UE4

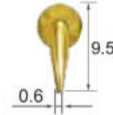


Gentle canal cleaning, the length of the working area on the tip is 3.5mm

Tips

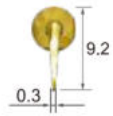
Extraction

UP1



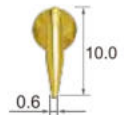
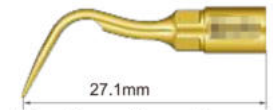
For periodontal gentle curetting scaling

UP2



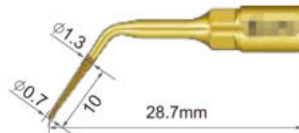
Inflammatory tissue removal and fractured root apex extraction

UP3



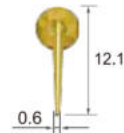
For angled periodontal gentle curetting scaling

UP4



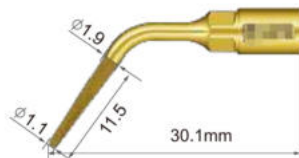
Diamond coated instrument for root debridement and root planning

UP5



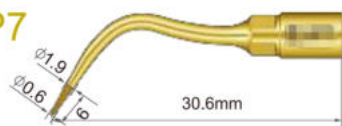
For root surface micro-smoothing

UP6



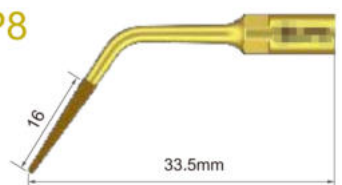
Diamond coated instrument for micro-osteotomy, interpromical osteoplasty and root planning

UP7



Diamond coated instrument for root canal orientation and removal of calcification located at the 1/3 part of root canal, it can also be used for micro-osteoplasty

UP8



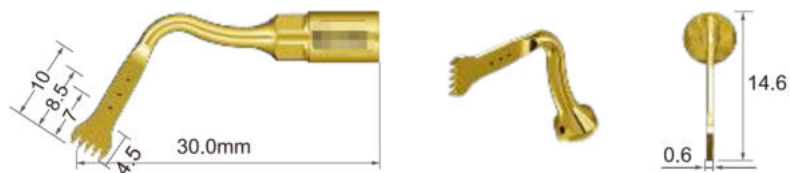
Diamond coated instrument for micro-osteotomy, interpromical osteoplasty and root planning

Tips

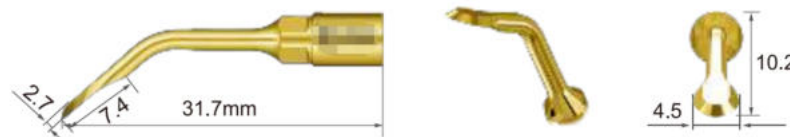
Standard tips (6 tips)



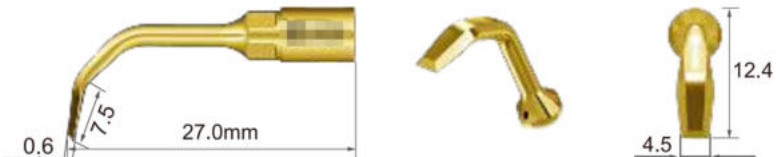
High efficient osteotomy for large bone during maxillofacial surgery and exodontia exodontics



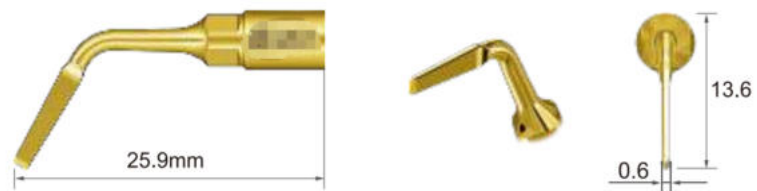
High efficient osteotomy technique in maxilla and mandible (ridge expansion, corticotomy technique, bone block grafting)



Periodontal osteotomy, bone chips harvesting, inflammatory tissue removal



High efficient bone osteoplasty, bone remodelling and harvesting of bone chips



For cutting off the ankylosis and root fraction technique



Diamond-coated instrument for micrometric osteotomy or osteoplasty, to finalize the osteotomy or osteoplasty on thin bone and/or near delicate anatomic structure

Code: US1 - US2 - US4 - US5 - UC1 - UL3

Synthesis

Mode Safety

Selective cutting: A selective cut (distinction between hard and soft tissues): only the bone is cut; no risk of injuring soft tissues (nerves, membranes, arteries).

Controlled irrigation for great bone healing: The peristaltic pump offers accurate control and extremely precise irrigation to avoid any heating, resulting in better bone healing and absence of postoperative effects such as edema and pain.

Mode Precision

Very fine: A clean, narrow and regular cut to retain maximum bone volume.

Visibility of the operative field: The hemostatic effect of cavitation (spray) and LED light improve the visibility of the operative field.

Tactile sense: The smart control technology guarantees preservation, efficacy and comfort, SOGA tips gentle, regular and controlled vibrations allow continuous action even on deep cuts.

More Comfort

Reliability: SOGA ULTRASONIC PIEZO BONE SURGERY is a reliable, powerful and silent device.

Temperature control: No overheating of the handpiece or tips.

Efficiency of ultrasonic: Cuts are made with slight effort or pressure. Only a back and forth movement is needed.

Specification

Dimension	: 235mm*210mm*80mm
Power-Supply Voltage	: 100-240V 50-60Hz 120VA
Frequency	: 26kHz-38kHz
Water Flow	: 25-110mL/min
Weight	: 1.85kg
Handpiece Weight	: 86.5gr
Screen	: 7-inch
Water Applied Parts	: Handpiece and tips
Tips Broken or Not	: <400ms
Corrected Tightened Atmosphere Pressure	: 70kPa~106kPa



CONTACT US

Together, We Craft Beautiful Smiles
Your Clients, Our Exceptional Dental Solutions

We value your feedback and are here to assist you. Please don't hesitate to get in touch with us for any inquiries, suggestions, or concerns. We're committed to providing you with excellent service.

 **INTEGRA BEST DEAL**
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