

MEDICAL_PRIMADO2

Primado2



Create it

Distribution Netherlands:

DAM
Medical

NSK

NSK The Company

To us, KANUMA is the center of the world.

It was here in Kanuma that we first started and it is here where we will continue to create the best in class, high-speed rotation technology in the world. "Made in Japan" symbolizes world class quality and craftsmanship and now "Made in Kanuma" will define the finest quality in high-speed drills across the world.



Quality Results from Processes

This has been the NSK policy since its foundation. Up to 30 processes may be necessary to create one complete component from a bar of raw material. The total number of machining processes required to create all parts of a single product is 930. If the individual processes do not attain the degree of accuracy needed, the final product will not deliver the requisite high precision. Ensuring micron-scale accuracy is crucial. In pursuit of such accuracy, NSK's key strength lies in the ability to internally manage integrated production from the component stage. To ensure high quality, defective parts are never passed. Manufacturing is a constant battle to push the limits. And the state-of-the-art manufacturing pursued by NSK is an never-ending challenge.



Global Network

NSK has sales subsidiaries in 15 countries with each subsidiary actively conducting sales and marketing activities in its local territory, providing detailed after-sales services and attracting new NSK fans every day. Furthermore, NSK is also collaborating with import agents in other countries and building strong ties to promote sales in local areas. NSK has built a solid global sales network and exports to 135 countries. The voice of our sales partners is important, and NSK strives to ensure quick and reliable support. These strong partnerships can then transfer to our customers, who can be fully confident in our brand and products.



Feel The Difference

Stable Rotation

- Primado2 provides smooth acceleration at low speeds and stable rotation at middle/high speeds
- Less run-out delivers precise, smooth bone cutting performance

Uncompromising Design

- Variable exposure allows for versatility of surgical procedures *P300 Attachment
- High quality cutting accessories made with innovative technology

Better Usability

- The universal bur length system features one bur shank length that can be used with any length attachment *Standard Attachment 300
- The risk of excessive heat development and consequent malfunction as a result of insufficient cleaning is reduced



Product Lineup

Control Unit



Primado2 Control Unit

Foot Control



Primado2 Foot Control

Reprocessing



Cleaning Tool

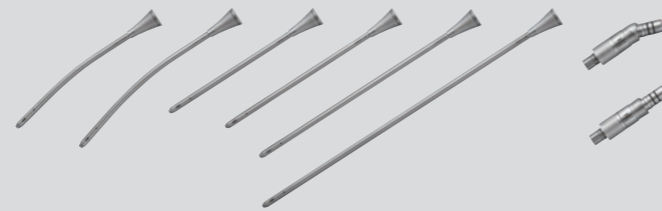


PANA SPRAY Plus

Slim Motor Series



Primado2 Slim Motor



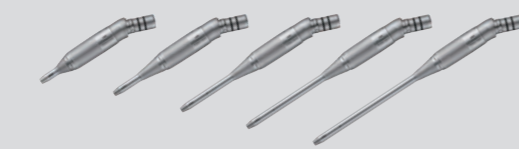
Slim Attachment 300



Super Slim Handpiece 200



Standard Attachment 300



Perforator

Drill

Craniotome



Contra Angle



Metal Cutting

High Torque Motor Series



Primado2 High Torque Motor



High Speed Handpiece 200

Micro Bone Saw Series



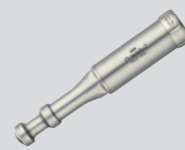
Primado2 Micro Bone Saw Motor



Reciprocating Saw Attachment



Sagittal Saw Attachment

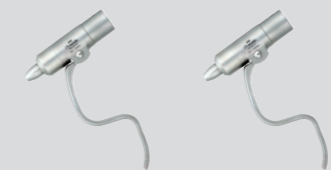


Oscillating Saw Attachment

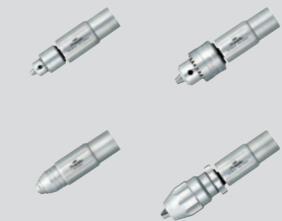
Wire Pin Driver Series



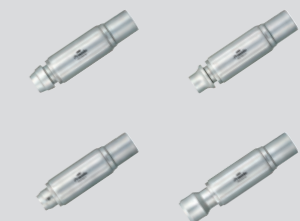
Primado2 Wire Pin Driver



Wire & Pin Collet



Drill Attachment



Reamer Attachment



Saw Attachment

Primado2 Control Unit

- Compact design for easy set-up
- Extensive options can be set up individually (e.g., Acceleration/Brake adjustment, Irrigation, etc.)
- Main panel's simple operation makes it user-friendly



Order Code
P200-CU-230
Primado2 Control Unit 230V

- Power Supply : AC230V 50/60 Hz
- Dimension : W278 x D268 x H160 (mm)
- Weight : 6.9 kg

HOME Screen

- Speed control
- Irrigation control
- Reverse rotation control
- Priming control
- Foot Control setting displayed

Setting Options

[Control Unit]

- Brightness
- Volume
- Language settings (6 languages available)
- Displays rotation speed of engaged motor/attachment

[Motor]

- Acceleration adjustment
- Brake adjustment
- Torque adjustment
- Oscillation adjustment (available for Wire Pin Driver only)

Configuration Settings

Automatic motor recognition

Integrated High Performance Irrigation Pump



Foot Control

- Available in two models: single function button and multi-function button
- An open pedal design enables precise and easy control
- Each button can be set to a specific function to meet the operator's preference



Order Code
FC-73
Primado2 Single Foot Control
• 1 pedal with 1 function button



Order Code
FC-74
Primado2 Multi Foot Control
• 1 pedal with 3 function buttons

Functional Options

- Foot control ON/OFF
- A↔B control (switching between motors)
- Speed control (adjust rotational speed; Min. 30%⇒default⇒Max. 100%)
- Reverse rotation mode
- Irrigation ON/OFF
- Flush (continuous 100% irrigation when pressed)
- Disable (i.e., set the status as no function)
- Speed control : variable
- IP rating : IPX8



Slim Motor Series

- Compact and lightweight design prevents surgeon fatigue during procedures
- A variety of attachments are available
- Quick Joint allows for an easy attachment-motor connection



Primado2 Slim Motor

- Speed : Max. 80,000 min⁻¹
- Bundled Item : P200-EZ-SM (see p.26)



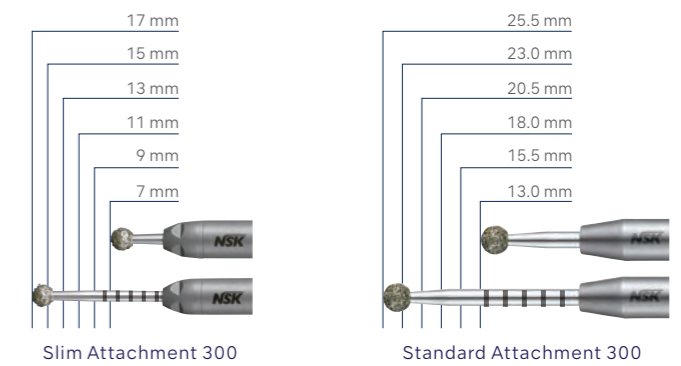
P300 Attachment Key Features



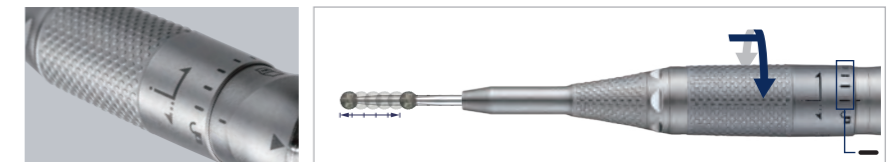
The stable rotation performance is consistent with current P200 attachments, however, the P300 attachments are designed to improve visibility, smooth operation, and safety.

Variable Exposure

- Improved accessibility and visibility due to the 6-step adjustment mechanism

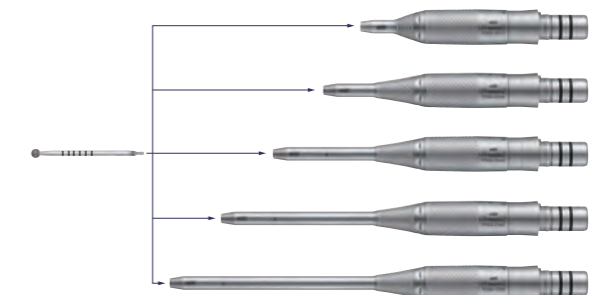


- The attachment's twist collet allows for variable exposure without having to handle the bur. *Standard Attachment 300



Universal Bur Length System *Standard Attachment 300

- One bur size fits all lengths of attachment
- Easier management in the operating room



Slim Attachment 300 80,000min⁻¹

Slim Attachment Hub

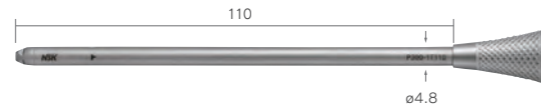


Order Code
P300-1AHS
Slim Attachment Hub/Straight

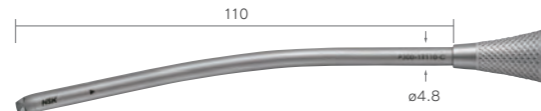


Order Code
P300-1AHA
Slim Attachment Hub/Angled

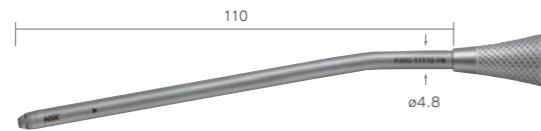
Slim Tube



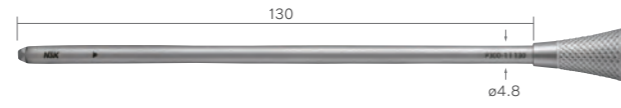
Order Code
P300-1T110
Slim Tube 110



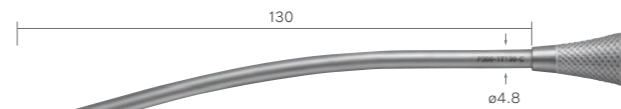
Order Code
P300-1T110-C
Slim Tube 110/C



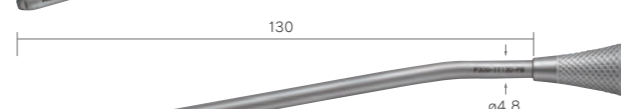
Order Code
P300-1T110-PB
Slim Tube 110/PB



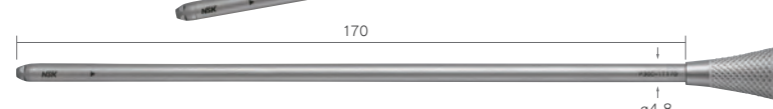
Order Code
P300-1T130
Slim Tube 130



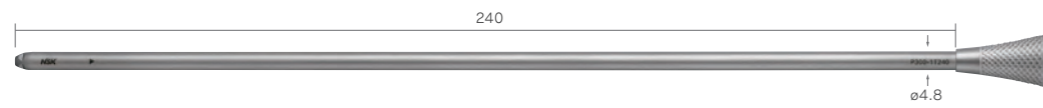
Order Code
P300-1T130-C
Slim Tube 130/C



Order Code
P300-1T130-PB
Slim Tube 130/PB



Order Code
P300-1T170
Slim Tube 170



Order Code
P300-1T240
Slim Tube 240

Accessory



Order Code
P300-1T-B*
Slim Tube Beak



Order Code
P300-1T-H*
Slim Tube Hood

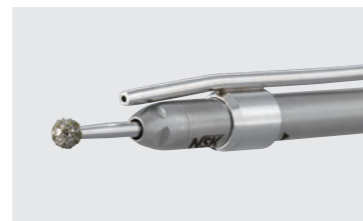
*Cannot be used with the Irrigation Nozzle.

Irrigation Nozzle



Order Code
P200-IN-1A155
For P300-1T110 / P300-1T110-C / P300-1T110-PB

Order Code
P200-IN-1A175
For P300-1T130 / P300-1T130-C / P300-1T130-PB



Standard Attachment 300 80,000min⁻¹

Straight



Order Code
P300-2S10
STD Attachment 10/Straight



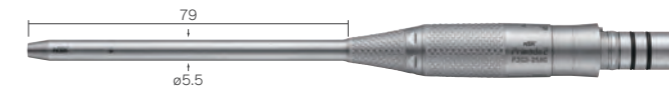
Order Code
P300-2S20
STD Attachment 20/Straight



Order Code
P300-2S40
STD Attachment 40/Straight



Order Code
P300-2S60
STD Attachment 60/Straight



Order Code
P300-2S80
STD Attachment 80/Straight

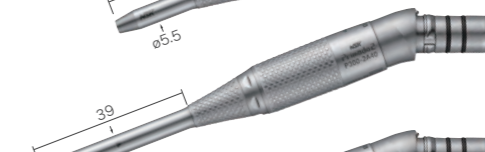
Angled



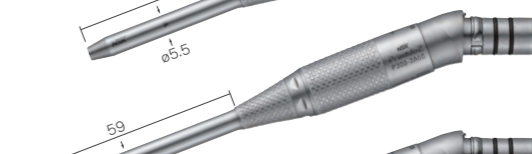
Order Code
P300-2A10
STD Attachment 10/Angled



Order Code
P300-2A20
STD Attachment 20/Angled



Order Code
P300-2A40
STD Attachment 40/Angled



Order Code
P300-2A60
STD Attachment 60/Angled



Order Code
P300-2A80
STD Attachment 80/Angled

Accessory



Order Code
P300-2-B*
STD Attachment Beak



*Cannot be used with the Irrigation Nozzle.

Irrigation Nozzle



Order Code
PD-IN-D
For P300-2S10 / P300-2A10
P300-2S20 / P300-2A20

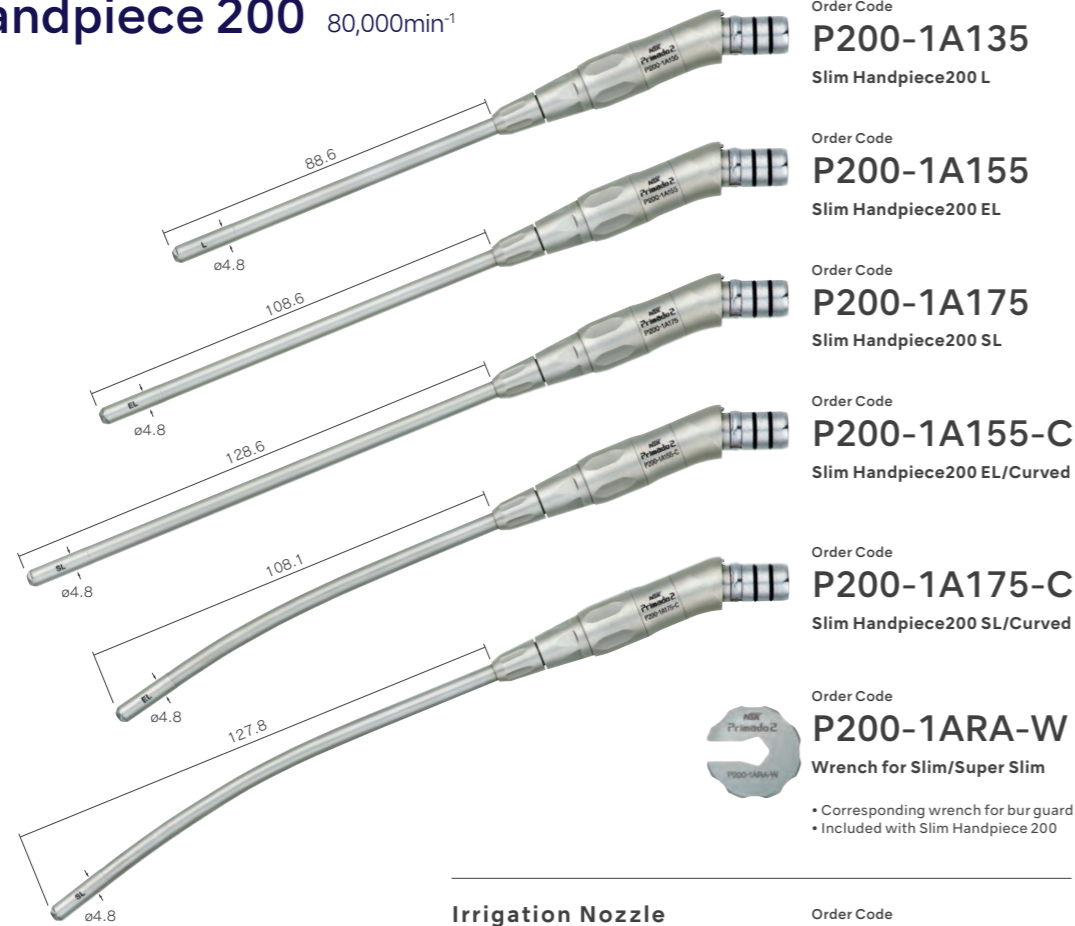
Order Code
PD-IN-2ES
For P300-2S40 / P300-2A40

Order Code
PD-IN-2S
For P300-2S60 / P300-2A60

Order Code
PD-IN-2M
For P300-2S80 / P300-2A80



Slim Handpiece 200 80,000min⁻¹



Order Code
P200-1A135
Slim Handpiece200 L

Order Code
P200-1A155
Slim Handpiece200 EL

Order Code
P200-1A175
Slim Handpiece200 SL

Order Code
P200-1A155-C
Slim Handpiece200 EL/Curved

Order Code
P200-1A175-C
Slim Handpiece200 SL/Curved

Order Code
P200-1ARA-W
Wrench for Slim/Super Slim

- Corresponding wrench for bur guard
- Included with Slim Handpiece 200

Irrigation Nozzle



Order Code
P200-IN-1A155
For P200-1A155 / P200-1A155-C

Order Code
P200-IN-1A175
For P200-1A175 / P200-1A175-C

Super Slim Handpiece 200 20,000min⁻¹



Order Code
P200-RA330
Super Slim Handpiece200 SPL

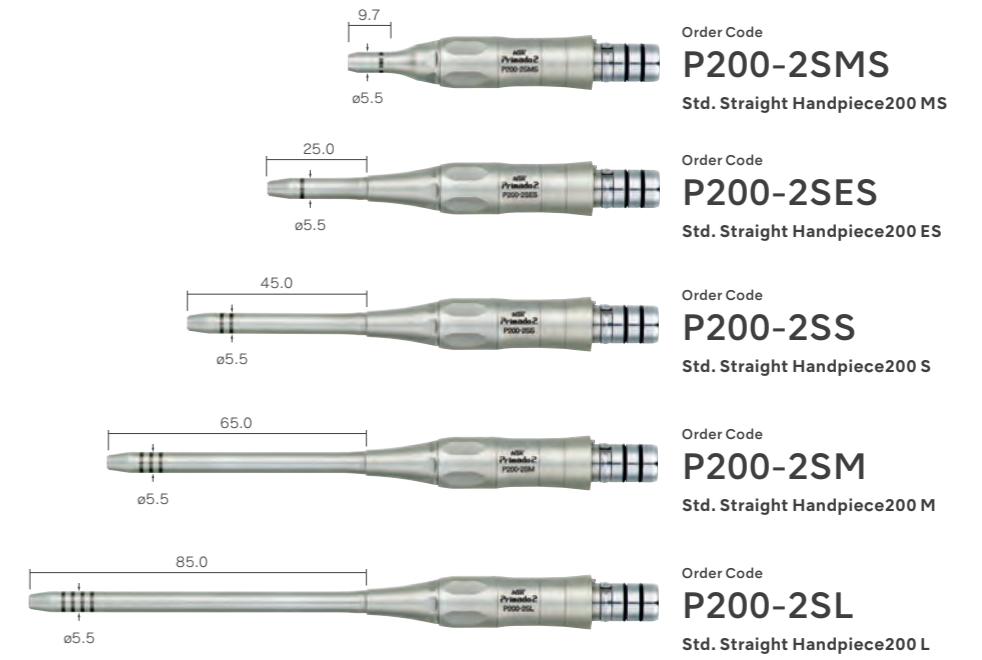
Order Code
P200-RA330-L
Super Slim Handpiece200 SPL/L
• Large Bore Type

Order Code
P200-1ARA-W
Wrench for Slim/Super Slim

- Corresponding wrench for bur guard
- Included with Super Slim Handpiece 200

Standard Handpiece 200 80,000min⁻¹

Straight



Order Code
P200-2SMS
Std. Straight Handpiece200 MS

Order Code
P200-2SES
Std. Straight Handpiece200 ES

Order Code
P200-2SS
Std. Straight Handpiece200 S

Order Code
P200-2SM
Std. Straight Handpiece200 M

Order Code
P200-2SL
Std. Straight Handpiece200 L

Angled



Order Code
P200-2AMS
Std. Angled Handpiece200 MS

Order Code
P200-2AES
Std. Angled Handpiece200 ES

Order Code
P200-2AS
Std. Angled Handpiece200 S

Order Code
P200-2AM
Std. Angled Handpiece200 M

Order Code
P200-2AL
Std. Angled Handpiece200 L

Irrigation Nozzle



Order Code
PD-IN-D
For P200-2SMS(MS)
P200-2AMS(MS)

Order Code
PD-IN-2ES
For P200-2SES(ES)
P200-2AES(ES)

Order Code
PD-IN-2S
For P200-2SS(S)
P200-2AS(S)

Order Code
PD-IN-2M
For P200-2SM(M)
P200-2AM(M)

Order Code
PD-IN-2L
For P200-2SL(L)
P200-2AL(L)



Perforator Handpiece 200 $1,250\text{min}^{-1}$



Order Code
P200-PER
Perforator Handpiece200
• Compatible Chuck: Hudson Chuck

Craniotome Handpiece 200 $80,000\text{min}^{-1}$



Order Code
P200-CRA
Craniotome Handpiece200



Order Code
P200-CRD-P
Pediatric Duraguard200



Order Code
P200-RCRD-P
Rotatable Duraguard200 P

Drill Handpiece 200 $80,000\text{min}^{-1}$



Order Code
P200-2SD
Straight Drill Handpiece 200

Irrigation Nozzle



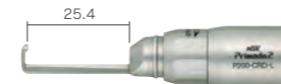
Order Code
PD-IN-D
For P200-2SD



Order Code
P200-CRD-M
Medium Duraguard200



Order Code
P200-RCRD-M
Rotatable Duraguard200 M



Order Code
P200-CRD-L
Long Duraguard200



Order Code
P200-RCRD-L
Rotatable Duraguard200 L

Contra Angle Handpiece 200



Order Code
P200-CA-4
Contra Angle Handpiece200 4:1
• 4:1 Reduction (Speed: Max. $20,000\text{min}^{-1}$)
• Latch Type Chuck
• Corresponds to $\varnothing 2.35\text{mm}$ CA burs

Metal Cutting Handpiece 200 $80,000\text{min}^{-1}$



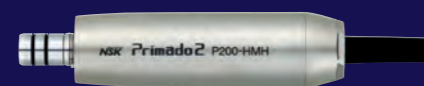
Order Code
P200-3MC
Metal Cutting Handpiece200

High Torque Motor Series

- High torque motor delivers advanced cutting performance
- Max. 100,000min⁻¹ is available with a High Speed Handpiece
- Quick Joint allows for an easy attachment-motor connection



Primado2 High Torque Motor • Speed : Max. 60,000 min⁻¹



Order Code
P200-HMH
Primado2 High Torque Motor

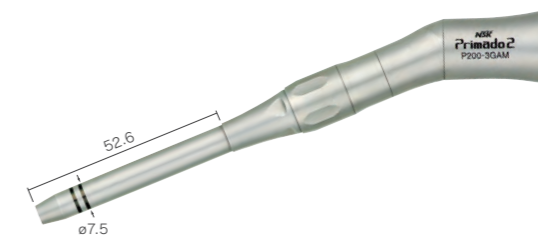


Order Code
P200-HMH-HS
Primado2 High Torque Motor/HS
• Hand Control type

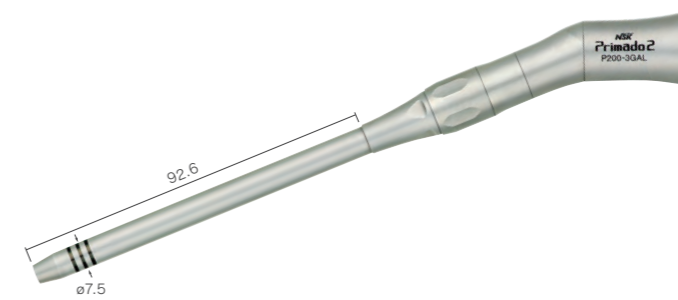
High Speed Handpiece 200 100,000min⁻¹



Order Code
P200-3GAS
High Speed Handpiece200 S



Order Code
P200-3GAM
High Speed Handpiece200 M



Order Code
P200-3GAL
High Speed Handpiece200 L

Irrigation Nozzle



Order Code
PD-IN-3S
For P200-3GAS(S)

Order Code
PD-IN-3L
For P200-3GAL(L)

Order Code
PD-IN-3M
For P200-3GAM(M)



Micro Bone Saw Series

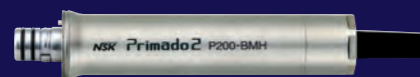
A modular system in which one motor accepts 3 different types of saws

Designed for powerful cutting performance and less vibration



Primado2 Micro Bone Saw Motor

- Speed : Max. 20,000 min⁻¹
- Bundled Item : P200-EZ-BM (see p.26)



Order Code
P200-BMH
Primado2 Micro Bone Saw Motor



Order Code
P200-BMH-HS
Primado2 Micro Bone Saw Motor/HS
• Hand Control type

Reciprocating Saw 20,000min⁻¹



Order Code
P200-REC
Primado2 Rec. Attachment
• Stroke Length : 2.5mm

Order Code
P200-REC-S
Primado2 Rec. Handpiece
• Included Item : P200-BMH, P200-REC

Order Code
P200-REC-S-HS
Primado2 Rec. Handpiece/HS
• Hand Control type
• Included Item : P200-BMH-HS, P200-REC

Sagittal Saw 20,000min⁻¹



Order Code
P200-SAG
Primado2 Sag. Attachment
• Angle of Oscillation : 8°

Order Code
P200-SAG-S
Primado2 Sag. Handpiece
• Included Item : P200-BMH, P200-SAG

Order Code
P200-SAG-S-HS
Primado2 Sag. Handpiece/HS
• Hand Control type
• Included Item : P200-BMH-HS, P200-SAG

Oscillating Saw 20,000min⁻¹



Order Code
P200-OSC
Primado2 Osc. Attachment
• Angle of Oscillation : 8°

Order Code
P200-OSC-S
Primado2 Osc. Handpiece
• Included Item : P200-BMH, P200-OSC



Order Code
PD-OSC-A
Adaptor For Oscillating Saw
• Bundled Item : Corresponding wrench (1), and screws (2)

Order Code
P200-OSC-S-HS
Primado2 Osc. Handpiece/HS
• Hand Control type
• Included Item : P200-BMH-HS, P200-OSC

Irrigation Nozzle for Bone Saw



Order Code
P200-IN-BS
For P200-REC / P200-SAG
P200-OSC

Wire Pin Driver Series

Delivers power performance across a variety of surgical applications

The versatile options include a Drill, Reamer, and Micro Bone Saw



Primado2 Wire Pin Driver

- Speed : Max. 1,200 min⁻¹
- Rotation Mode : Forward, Reverse, Oscillating
- Bundled Item : P200-EZ-WPD (see p.26)



Order Code
P200-WPD
Primado2 Wire Pin Driver

Wire & Pin Collet 1,200min⁻¹



Order Code
PD-DA-W
Primado Wire Collet
• ø0.6-ø1.9 mm



Order Code
PD-DA-P
Primado Pin Collet
• ø2.0-ø3.2 mm

Drill Attachment 1,200min⁻¹



Order Code
PD-DA-J4
Jacobs Keyed Drill Chuck
• ø0.5-ø4.0 mm
• Bundled Item: T wrench



Order Code
PD-DA-J6
Jacobs Keyed Drill Chuck
• ø0.5-ø6.5 mm
• Bundled Item: T wrench



Order Code
PD-DA-A
AO Drill Chuck



Order Code
PD-DA-K
Keyless Drill Chuck
• ø0.6-ø7.4 mm

Order Code
PD-TW-J4
T-Wrench for J4

Order Code
PD-TW-J6
T-Wrench for J6

Reamer Attachment 300min⁻¹



Order Code
PD-RA-M
Hudson Modified
Trinkle Reamer



Order Code
PD-RA-H
Hudson Reamer



Order Code
PD-RA-T
Trinkle Reamer



Order Code
PD-RA-A
AO Reamer

Saw Attachment 12,000min⁻¹

Order Code
PD-SA-R
Reciprocating Saw Attachment



Order Code
PD-SA-S
Sagittal Saw Attachment



Accessories

Cleaning Tool

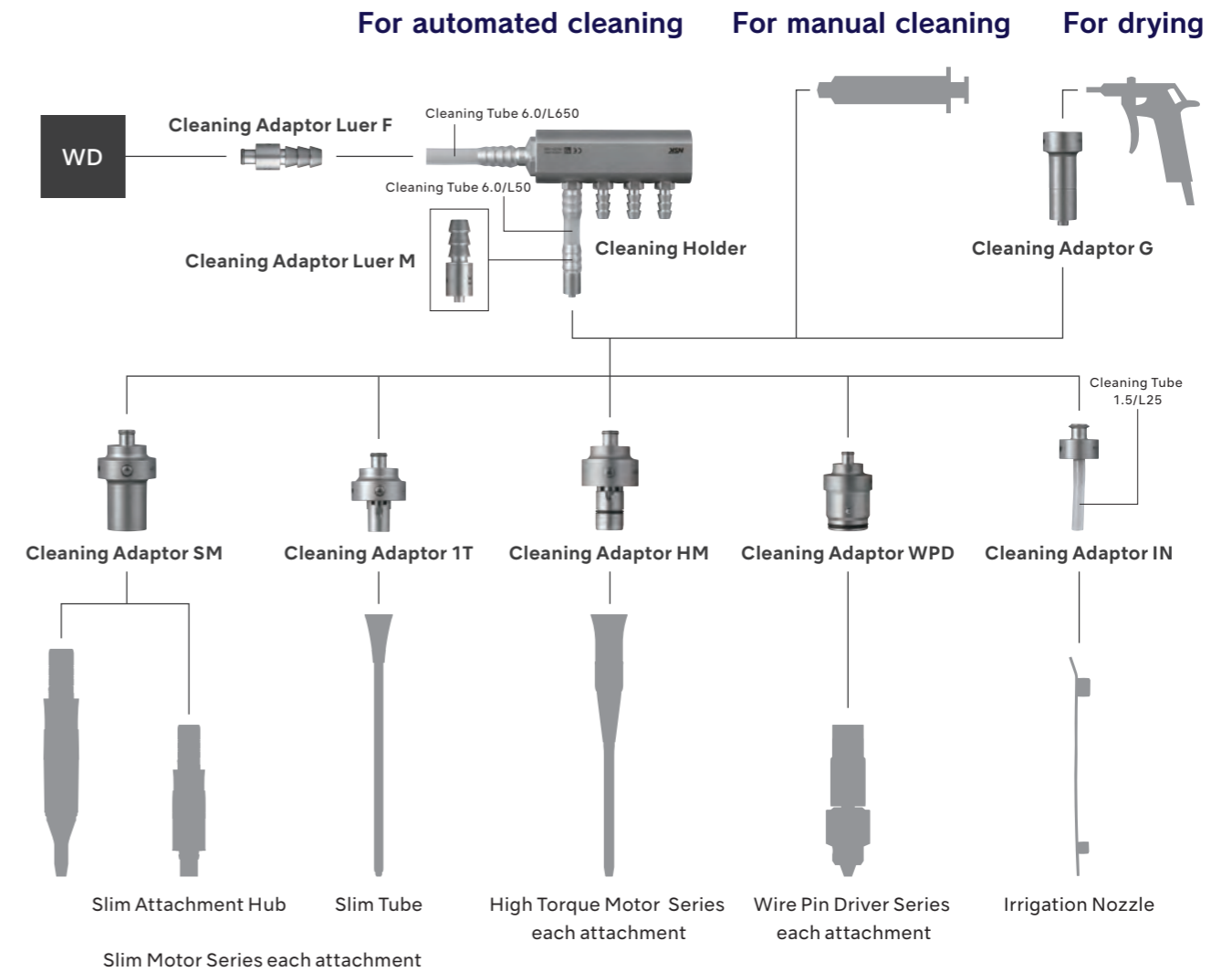
The risk of excessive heat development and consequent malfunction as a result of insufficient cleaning is reduced



Manual cleaning



Washer disinfectant



Order Code
PD-CTH
Cleaning Holder
• Bundled Item : PD-CTTU-606501
PD-CTTU-600504



Order Code
PD-CTAD-SM
Cleaning Adaptor SM
For Slim Motor Series each attachment



Order Code
PD-CTAD-1T
Cleaning Adaptor 1T
For Slim Tube



Order Code
PD-CTAD-HM
Cleaning Adaptor HM
For High Torque Motor Series each attachment



Order Code
PD-CTAD-WPD
Cleaning Adaptor WPD
For Wire Pin Driver Series each attachment



Order Code
PD-CTAD-IN
Cleaning Adaptor IN
For Irrigation Nozzle
• Bundled Item : PD-CTTU-150252



Order Code
PD-CTAD-G
Cleaning Adaptor G
For drying



Order Code
PD-CTAD-LM
Cleaning Adaptor Luer M



Order Code
PD-CTAD-LF
Cleaning Adaptor Luer F



Order Code
PD-CTTU-606501
Cleaning Tube 6.0/L650



Order Code
PD-CTTU-600504
Cleaning Tube 6.0/L50 (4pcs)



Order Code
PD-CTTU-150252
Cleaning Tube 1.5/L25 (2pcs)

*Please be sure to read the reprocessing manual.
*These Cleaning Tools can not be used with the Bone Saw Attachment.

Mobile Trolley



Order Code
Z299
iCart-L Mobile Trolley
• Dimensions : W360 x D420 x H800 (mm)
• Weight : 10 kg

Irrigation Tube



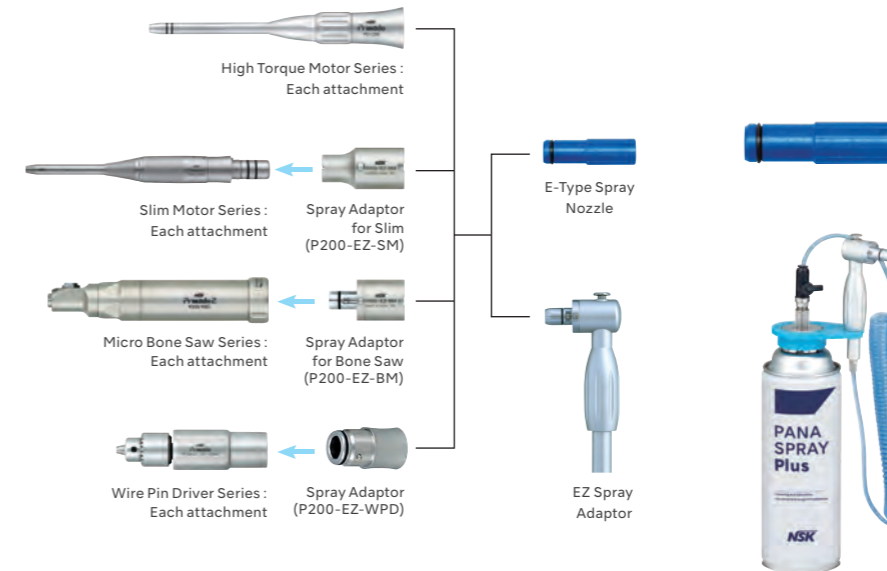
Order Code
Y1003915
Irrigation Tube
• 5 pcs/ set (Sterilized)

Lubrication



Order code
Z182100
PANA Spray Plus
• For attachments, 480 mL

Order code
Y900630
PANA Spray Plus (6pcs)
• Pack of 6



Order code
Z019090
E-Type Spray Nozzle
• For attachments

Order code
PD-EZ-M
EZ Spray Adaptor
• PANA Spray Plus is not included

Spray Mist Absorber



Order code
Y900084
Spray Mist Absorber
• Pack of 10

Index

Order Code	Page
FC-73	p.08
FC-74	p.08
P200-1A135	p.13
P200-1A155	p.13
P200-1A155-C	p.13
P200-1A175	p.13
P200-1A175-C	p.13
P200-1ARA-W	p.13
P200-2AES	p.14
P200-2AL	p.14
P200-2AM	p.14
P200-2AMS	p.14
P200-2AS	p.14
P200-2SD	p.15
P200-2SES	p.14
P200-2SL	p.14
P200-2SM	p.14
P200-2SMS	p.14
P200-2SS	p.14
P200-3GAL	p.18
P200-3GAM	p.18
P200-3GAS	p.18
P200-3MC	p.16
P200-BMH	p.19
P200-BMH-HS	p.19
P200-CA-4	p.15
P200-CRA	p.16
P200-CRD-L	p.16
P200-CRD-M	p.16
P200-CRD-P	p.16
P200-CU-230	p.07
P200-EZ-BM	p.26
P200-EZ-SM	p.26
P200-EZ-WPD	p.26
P200-HMH	p.17
P200-HMH-HS	p.17
P200-IN-1A155	p.11,13
P200-IN-1A175	p.11,13
P200-IN-BS	p.20
P200-OSC	p.20
P200-OSC-S	p.20
P200-OSC-S-HS	p.20
P200-PER	p.15
P200-RA330	p.13
P200-RA330-L	p.13
P200-RCRD-L	p.16
P200-RCRD-M	p.16
P200-RCRD-P	p.16
P200-REC	p.20
P200-REC-S	p.20

Order Code	Page
P200-REC-S-HS	p.20
P200-SAG	p.20
P200-SAG-S	p.20
P200-SAG-S-HS	p.20
P200-SMH	p.09
P200-SMH-HS	p.09
P200-SMH-S	p.09
P200-WPD	p.21
P300-1AHA	p.11
P300-1AHS	p.11
P300-1T110	p.11
P300-1T110-C	p.11
P300-1T110-PB	p.11
P300-1T130	p.11
P300-1T130-C	p.11
P300-1T130-PB	p.11
P300-1T170	p.11
P300-1T240	p.11
P300-1T-B	p.11
P300-1T-H	p.11
P300-2A10	p.12
P300-2A20	p.12
P300-2A40	p.12
P300-2A60	p.12
P300-2A80	p.12
P300-2-B	p.12
P300-2S10	p.12
P300-2S20	p.12
P300-2S40	p.12
P300-2S60	p.12
P300-2S80	p.12
PD-CTAD-1T	p.23
PD-CTAD-G	p.23
PD-CTAD-HM	p.23
PD-CTAD-IN	p.23
PD-CTAD-LF	p.23
PD-CTAD-LM	p.23
PD-CTAD-SM	p.23
PD-CTAD-WPD	p.23
PD-CTH	p.23
PD-CTTU-150252	p.23
PD-CTTU-600504	p.23
PD-CTTU-606501	p.23
PD-DA-A	p.22
PD-DA-J4	p.22
PD-DA-J6	p.22
PD-DA-K	p.22
PD-DA-P	p.22
PD-DA-W	p.22
PD-EZ-M	p.26

Order Code	Page
PD-IN-2ES	p.12,14
PD-IN-2L	p.14
PD-IN-2M	p.12,14
PD-IN-2S	p.12,14
PD-IN-3L	p.18
PD-IN-3M	p.18
PD-IN-3S	p.18
PD-IN-D	p.12,14,15
PD-OSC-A	p.20
PD-RA-A	p.22
PD-RA-H	p.22
PD-RA-M	p.22
PD-RA-T	p.22
PD-SA-R	p.22
PD-SA-S	p.22
PD-TW-J4	p.22
PD-TW-J6	p.22
Y1003915	p.25
Y900084	p.26
Y900630	p.26
Z019090	p.26
Z182100	p.26
Z299	p.25

