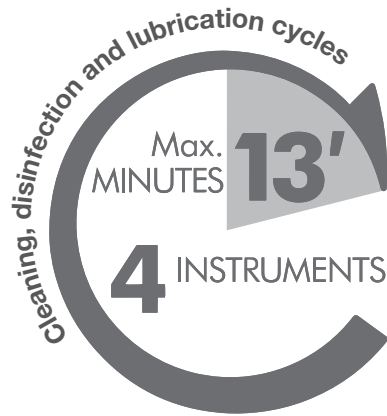


iCare+

AUTOMATIC SYSTEM FOR CLEANING,
DISINFECTING AND LUBRICATING ROTARY INSTRUMENTS



NSK



FOR PERFECT HYGIENE



iCare+

NSK

1

2

3

4

ON/OFF

200

CLEANS, DISINFECTS AND LUBRICATES 4 INSTRUMENTS

ADVANTAGES

- Simplicity
- Automatic
- Speed
- Constant monitoring of working parameters for consistent performance
- Universal connection of dynamic instruments
- Validation
- Traceability
- Detects instrument type spray/water external or internal
- Consistent repetition of cycles

FOR PERFECT TREATMENT

Manual cleaning of instruments does not remove all deposits and residues.

Dynamic instruments that are poorly maintained or not adequately cleaned may become damaged and pass on infections to both patients and practitioners.

IN-DEPTH RESEARCH AND DEVELOPMENT

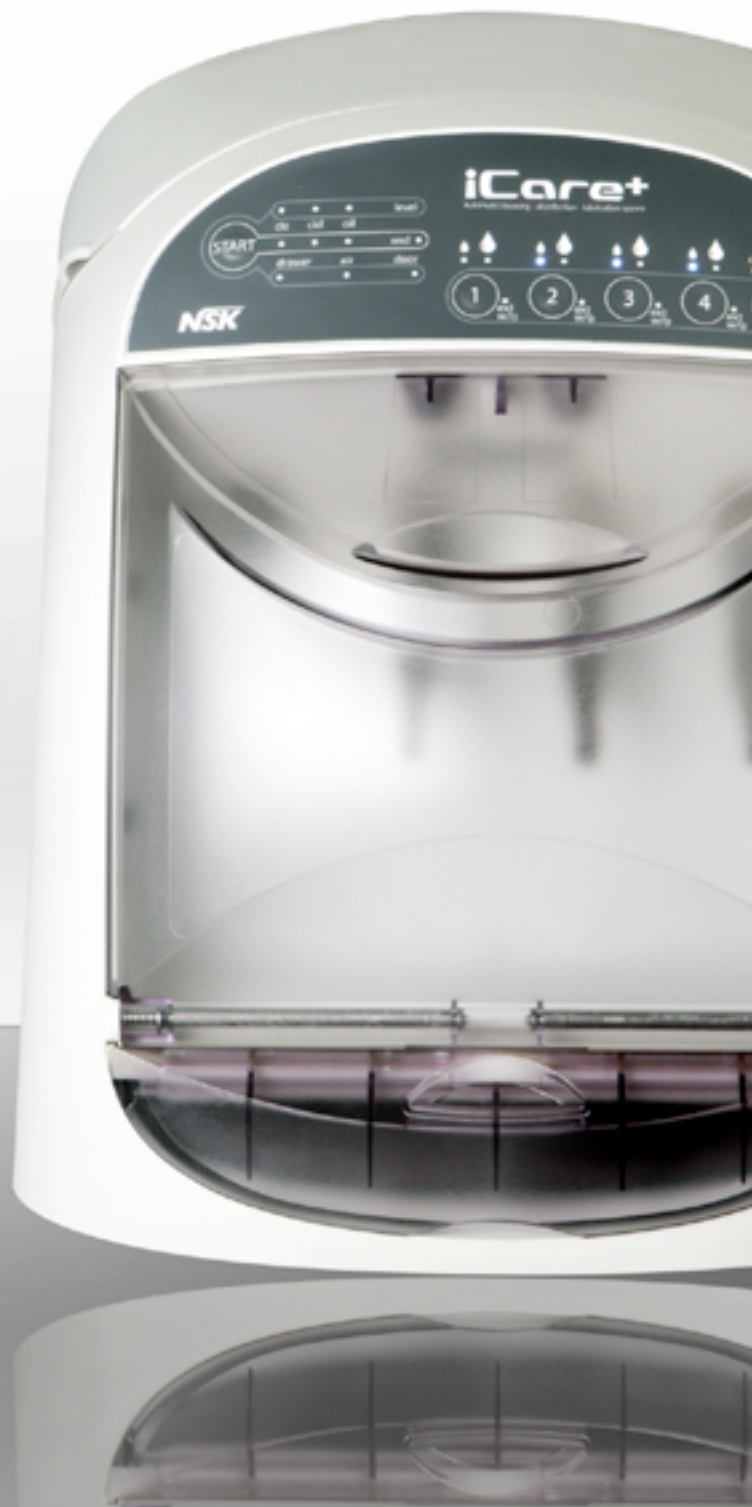
Any instrument used in dentistry must be perfectly cleaned, disinfected and maintained. NSK is aware of the requirements in the daily practice of dentistry and, after many years of research, it has come up with a simple and effective solution thanks to **iCare+**:

AUTOMATIC SYSTEM FOR CLEANING, DISINFECTING AND LUBRICATING ROTARY INSTRUMENTS

Simplicity



User-friendliness



INTELLIGENCE AT THE SERVICE OF YOUR INSTRUMENTS

iCare+ is smart and **detects the type of instrument attached to the ports** (internal/external spray or without spray) **when canals are blocked or the wrong cycle has been selected for a specific instrument** to ensure cycle efficiency.

During the different cycles, **iCare+** starts the rotation of instruments and injection of treatment products into all the internal mechanisms and tubing of the instruments to provide deep cleaning and disinfection; a pressure spray simultaneously cleans and disinfects the external surfaces.

Each cycle lasts for a specific duration in compliance with EN ISO 15883 to guarantee maximum effectiveness of the **n.clean** and **n.cid** solution for the perfect treatment of every instrument.

External

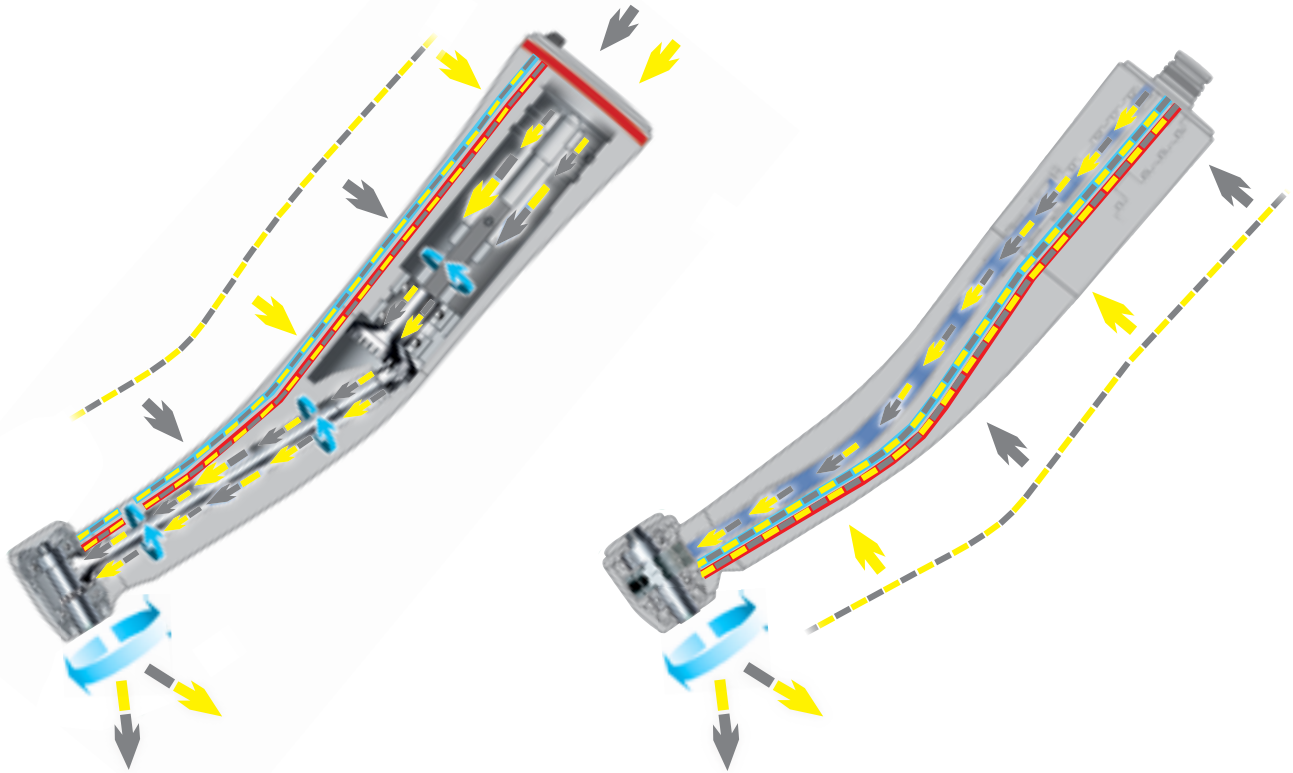


Internal

n.clean
n.cid



- Drive air
- Spray water
- Spray water



+ contra-angles

+ surgical instruments

+ turbines

+ air scalers

CLEANING AND DISINFECTION

TWO PRODUCTS INEXTRICABLY LINKED TO iCare+

iCare+ working hand in hand with n.clean and n.cid products.

n.clean and n.cid have been specifically developed for rotary instruments in compliance with laboratory protocols as well European and International standards.

VALIDATED ASSOCIATION OF CERTIFIED PRODUCTS

Extensive laboratory tests have been conducted on NSK turbines, handpieces and contra-angles, as well as on instruments from other brands: **the results are identical for all tested instruments and always in compliance with EN ISO15883.**

It is therefore crucial that iCare be used together with n.clean for cleaning and n.cid for disinfection of rotary instruments to guarantee optimal results validated by laboratories.

TARGETED ACTION

n.clean, a cleaning and rinsing solution, **acts as a detergent and has bacteriostatic and fungistatic effects.**

It prevents proteins from attaching to internal and external surfaces of instruments.

Disinfection prior to sterilisation is carried out by **n.cid**, a **bactericidal, fungicidal and virucidal*** disinfectant solution effective against wrapped viruses, as well as unwrapped Adeno viruses.

* Bactericidal: TBC, MRSA. - Fungicidal: Candida albicans - Virucidal: HBV, HCV, HIV, Herpes simplex, Influenza, H1N1 + H5N1.

Certified Products



Targeted Action

n.clean

Bacteriostatic
Detergent effect
Fungistatic



n.cid

Bactericidal*
Fungicidal*
Virucidal*



EFFECTIVENESS FOR SAFETY OF PATIENTS

COMPLIANT WITH EUROPEAN STANDARDS

Treatment cycle validation: iCare+ comes equipped with an **integrated processor** enabling it to check in real time that the various **internal components are moving the cleaning and disinfection solutions according to the requirements of the laboratory protocols** (EN ISO 15883 and EN ISO 15883-5 standards) which are applicable in all countries of the European Union.

SECURITY

Tests performed by the Dr Brill and Microsept Institutes conducted on extremely dirty instruments (containing sheep's blood with heparine, protamine, bacteria and yeast) prove that iCare+ treatment cycles together with n.clean cleaning and n.cid disinfection guarantee proven effectiveness of the results.

99.999% OF BACTERIA IS ELIMINATED

iCare+ makes it possible to reduce proteins to less than 100 mg per instrument after treatment. Thus, the reduction in the level of microbial contamination (> 5-log step) of the instruments treated is equivalent to eliminating over 99.999% of the bacteria.

GUARANTEED CONSISTENT REPETITION OF CYCLES

iCare+'s internal control system has sensors, which ensure consistency of every cycle in accordance with the parameters which were determined during the laboratory tests.

Effectiveness



Safety



COMPLETE TRACEABILITY

INTERNAL TRACEABILITY SOFTWARE

In addition to the permanent internal validation process software is available to log all cycle data on an external device.

iCare+ generates a serial number for every cycles.

Once the data has been transferred to a computer you can add serial numbers of individual instruments to specific cycle records in order to establish total traceability.

DATA STORAGE

To allow traceability and external storage of the iCare+ cycle data an easily accessible USB port is built into iCare+ unit.

USER-FRIENDLY INTERFACE

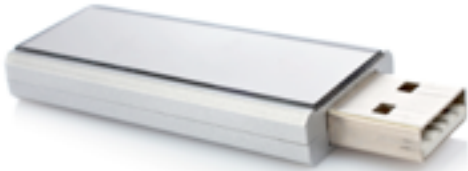
The user friendly software interface allows easy and efficient management of all cycle data with the option of adding specific records for individual instruments at the push of a button.

*USB key not included with iCare+

Serialized Cycles



Data Storage



Connection by USB port



Traceability software created and developed by NSK for iCare+

PLUG AND PLAY!

QUICK INSTALLATION

All that is required is an electrical and an air supply. Connection to the water or draining system is not required. No need for connection to water supply or drainage system.

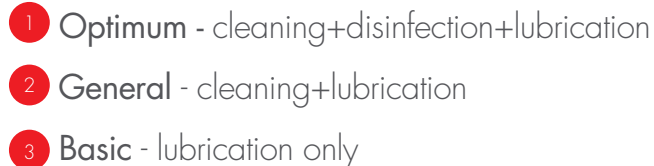
EASY TO USE

The clearly and intuitively arranged control panel together with the LED indicators and the internally lit treatment chamber makes it really easy to operate iCare+ the treatment chamber:

- yellow for **cleaning**
- white for **disinfection**
- blue for **lubrication**
- When the green LED lights up at the end of the cycle, the operator knows that the cycle has been completed correctly and rest assured that the instruments have been cleaned and maintained to the highest standards.

STARTING A PROGRAM

- 1 – Select the button that matches the number (from 1 to 4) and the type of instrument (external, internal, surgical, etc.) to be treated
- 2 – Select the required program

- 
- 1 **Optimum** - cleaning+disinfection+lubrication
 - 2 **General** - cleaning+lubrication
 - 3 **Basic** - lubrication only

- 3 – Press the START button to start the cycle

Quick installation



Easy to use

iCare+

Automatically Clean - Disinfect - Lubricate System

START

cle

cid

oil

level

drawer

air

end

door

1

ext
w/o

2

ext
w/o

3

ext
w/o

NSK

TO SUMMARISE

SIMPLICITY?

+ Only electrical and air supply required!

AUTOMATIC?

+ iCare+ cleans, disinfects and lubricates the rotary instruments automatically

SPEED?

+ iCare+ treats up to 4 dynamic instruments in 13 minutes!
3 possible programs: Optimum, General, Basic

EFFECTIVENESS?

+ The combination of iCare+ with n.clean and n.cid has been fine tuned for perfect results: n.clean and n.cid have been specially formulated and validated to meet all applicable European and International Standards effect and validated in laboratories

CONSTANT CONTROL OF PARAMETERS ?

+ iCare+ guarantees that the cycle is consistently repeated, for every cycle, according to laboratory-determined parameters

UNIVERSAL CONNECTIONS?

+ iCare+ adaptors are available for most instrument connections

VALIDATION?

+ iCare+ is equipped with an internal cycle validation system that guarantees compliance at every stage of cycle, recording all parameters including the time of injection of the solutions (EN ISO 15883) and oil in accordance with the protocol.

TRACEABILITY?

+ User-friendly traceability software has been developed to log cycle data for follow up and management off completed cycles

DISTINGUISHES BETWEEN THE DIFFERENT TYPES OF INSTRUMENTS?

+ iCare+ distinguishes between the internal and external spray instruments thereby guaranteeing validation

REPEATABILITY AND SAFETY?

+ Perfectly consistent repetition of cycles

Speed



Effectiveness

Cleaning



Disinfection



Lubrication



TREAT 4 INSTRUMENTS
IN 13 MINUTES !

ACCESSORIES AND TECHNICAL SPECIFICATION

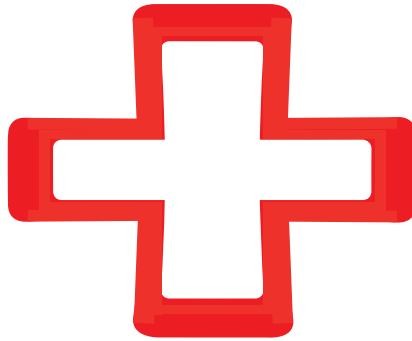
ACCESSORIES

Complete System iCare+	S103001
n.clean (6 bottles of 500 ml)	ACL600
n.cid (6 bottles of 500 ml)	ACD600
Starter Pack (6 bottles of n.clean, 6 bottles of n.cid, 1 bottle of Oil)	S12001
Maintenance oil Oil, 1-litre bottle	Z016117
Adaptor PTL	Z1127010
Adaptor KV	Z1127011
Adaptor SR	Z1127012
Adaptor WH	Z1127013
Adaptor BA	Z1127014

TECHNICAL CHARACTERISTICS

External dimensions (H x W x D)	355 x 400 x 405 mm
Capacity	up to 4 instruments
Net weight	14 kg
Voltage CE	100 - 230 V / 50 - 60 Hz
Supply pressure	5 - 6,0 bars
Capacity of the oil tank	500ml
Capacity of the bottles for the cleaning and disinfection product	500ml





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