

INSTRUCTIONS MICROTECH™ CD INTRORAAL SANDBLASTERS / DENTAL BONDING SYSTEM



NOTICE OF SAFETY & LIABILITY

For safety, read the instructions carefully before using this unit. The manufacturer, distributor, or retailer of this product can exercise no control over the use of MicroTech. Therefore the buyer or user shall assume full responsibility for any loss or injury. In all cases, original jurisdiction shall rest in San Diego County of the State of California.

Safety

Do not point the abrasive nozzle toward your face or eyes. Always wear safety glasses when using the unit outside of a closed cabinet. Note also that excessive backflushing can penetrate the abrasive jar and cause it to pop off or even burst. This backflushing should always be done in a safe receptacle.

PRODUCT DESCRIPTION

MicroTech is a handheld dental sandblaster unit for introraal sandblasting and dental lab application. Surface area and surface reactivity are increased for maximum bonding. MicroTech CD is a fully autoclavable unit (except for removable jar) with stainless steel construction and a replaceable handle grip that rotates 360 degrees. It includes a custom disconnect at the rear of the unit that plugs directly into your Kavo, Sirona or Bien-Air handpiece quick connector.

INSTALLATION

The MicroTech CD is designed to be directly connected to a handlepiece connector, the compressed air of 40 to 100 psi (2.6 to 6.6 bar) at 1 cm³/min is required. There is a significant reduction in sandblasting action as the pressure is reduced below 60 psi, which is often found at unadjusted handlepiece connection. If connection is made to other than a conventional handlepiece line, oxygen, flammable, or toxic gases must not be used. Dehydrated air is not required; however, large particles in the air line can plug up the eyeglass.

HANDLEPIECE ADAPTER INSERTS

The MicroTech has an adapter insert designed for a specific handlepiece connector brand. This insert can be removed and exchanged for another connector brand if the handlepiece changing will damage or injure the insert.

CHANGING ADAPTER O-RINGS

The o-ring inside the adapter is used to retain the handlepiece connector. In time, with use the o-ring may wear and allow the handlepiece connector to pop out.

O-ring removal: Use small, sharp instrument, (such as a scalpel) to catch and pull out the old o-ring. Push the new o-ring into the handlepiece connector until it sits fully in the groove. The o-ring on the outside of the adapter is removed with a sharp instrument. The new o-ring is stretched to fit around the handlepiece connector.

ABRASIVES

The jar on the MicroTech should be filled three-quarters full with clean, dry abrasives. Abrasive should flow freely as the jar is rotated. Most abrasive will cling to itself. Abrasives are very hygroscopic and should be kept in tightly sealed containers.

General abrasive uses are:

Aluminum Oxide, 90 micron, tan

Removal of cements from metals. Preparation of metals for bonding.

Aluminum Oxide, 50 micron, white

General bonding preparation of metallic and nonmetallic surfaces. (Will not discolor porcelain or composites).

Silica Powder

Effectively applied to sintered surfaces.

Micrography, B, white

Surface preparation. Pit and fissure preparation. Sodium Bicarbonate, Flavored.

SAs

Remove resin pastes without erosion.

Glass Beads, 90 micron, white

Satin luster texturing metal surfaces to reduce brightness. Clean dentures. Not for bonding or introraal use.

OPERATION

Hold the nozzle 2mm to 10mm from the surface. Sandblasting is most effective using continuous, overlapping sweeps rather than fast, erratic movements. A surface should appear evenly etched with a dull texture for optimal results. Excessive sandblasting will actually erode the surface.

NOTE: When used introraal, a plastic sleeve should be placed over the MicroTech, piercing only the tip through the sleeve to limit direct patient contact to the tip. The nozzle should be sterilized prior to each use. Other portions of the MicroTech should be sterilized if patient contact or contamination is suspected.

PREPARED FOR STERILIZATION

Prior to sterilization and while connected to the compressed air line, remove the abrasive jar from the pickup stem, and depress the finger button. Unscrew the nozzle and remove any debris. This will purge abrasive from the internal components of the MicroTech. Failure to do this may result in clogging.

Note: Remove clear jar and white filter from jar cap prior to sterilization. Replace filter before operating unit again. Filter is removed and reinstalled by pushing with fingers.

Model Type Component Sterilization Procedure

MicroTech CD Nozzle Autoclave at 132 °C (269 °F) for 15 minutes.

MicroTech CD Body Autoclave at 132 °C (269 °F) for 15 minutes.

TROUBLE SHOOTING / MAINTENANCE

Problem Recommended Corrective Action

IMPORTANT: A loose collar will cause the MicroTech to malfunction and can result in the abrasive jar bursting or popping off.

Air flow but sporadic or no abrasive flow.

Check abrasive fill, or for moist or lumpy abrasive.

Tighten nozzle assembly check for worn or missing o-rings.

Worn nozzle, replace cartridge or entire nozzle assembly.

Limited air flow.

Check air pressure.

Remove nozzle, clear possible plugs by blowing air backwards into carbide tip (convenient air source is center port in handlepiece body).

Carbide tip replacement.

Worn carbide tips result in greatly reduced performance (annual replacement with normal use is recommended). For O-ring carbide tips simply unscrew and replace with a new tip. The smaller tips .032 are glued in place and should be returned for replacement.

Handlepiece connector leaks or pops off.

If handlepiece connector leaks, change the outer adaptov O-ring. If connector pops off, replace the O-ring within the adaptor bore.

O-ring replacement.

Replace according to chart.

Filter Replacement

Filter pushes in and out of jar cap. (See illustration to right)

DEFINITION OF SYMBOLS

The following symbols may appear on the product packaging or labeling.

Symbol Definition

REF Reference number

EC REP Manufacturer

RxOnly European Community Authorized Representative

CE 0086 European Mark of Conformity

Lot Consult instructions for use

ZD ZEST DENTAL SOLUTIONS

Division of Zest Holdings, LLC Company
3035 Laker Avenue East
Carlsbad, CA 92010 USA
(760) 743-7744
www.zestdental.com

EC REP

SchäferInnner 41
30175 Hannover
Germany

RxOnly

91272 G

Croatian

UPUTE MICROTECH™ CD INTRORAALNI APARATI ZA PLESKARENJE / SUSTAV ZA ZUBNE SPOJEVJE

NAPOMENA O SIGURNOSTU I ODGOVORNOSTI

IZ sigurnosnih razloga, pozitivno pratioće upute prije korištenja ovog uređaja. Proizvođač, distributer ili prodavač ovog proizvoda ne može učiniti kontrolu nad konstenjom aparatom MicroTech. Zabrana korišćenja snese su potušni odgovornosti za bilo kakav uočljivi i objekt. Za sve sporne dodatne pravne i/ili skupinske pravne obvezne, ovaj ugovor je uveličan na celokupnu vrednost.

SIGURNOST

Oprema: Nezemljene umjetne abrazivne mlinice prema licu i okviru. Uvijek nositi zaštitne maske kada se koristi oprema zatvorenog karabinera. Isto tako odustati od rizika upotrebe iznadne visine i ostvarivanja učinkova njenog napuknutog ili čak raspršujućeg. Zato ispiranje povratnim mlinicom uvijek treba obavljati u spremnom spremniku.

Pripremujemo da se ne reizraštavljamo postupkom pleskarenje vrste unutra kabineta za skupljanje prase. Kabine trebaju biti opremljene sustavom za prikrivanje prase i izvršavanje nastavki tijekom operacije. Cestice abrazivne vrpice koje lede zrakom mogu uzrokovati težkoj težkoj, nosa i grla, a kao i stjecanje očne aparatice i optičkih instrumenata. Abrazivne čestice mogu načiniti ozbiljne povrede na očima i ušima. Oprema koja nije u skladu sa načinom rada, može ugroziti zdravlje i život.

OPIĆE PROIZVOD

MicroTech CD je odnosi se na pleskanje i drugi izvor, osim konvenčionalno, ne smje se koristiti kisik, zapaljivi ni stromi plinovi. Nije potreban dehidratirajući agens, dehidratirajući agens, dehidratirajući agens u vrućem vodama.

UPOTEH

Protektivne i zaštitne komponente za operaciju lečenja. Cestice abrazivne vrpice koju lede zrakom mogu preko sklopka preko adaptora.

IZMENA UMETAKA POLIKRISTALINA

Umetak adaptora drži se unutar stranje cijevi MicroTecha trenjem prstenova. Za skidanje umetka potrebno je odstranjiti sklopak za stranje strane MicroTecha. Zatim ametite i zadržite adaptator sa traci za zajedno s aljandom. Ako nema kabala, adaptator se smotri pod sklopakom i zadržati sa ametom. Ako je ameta učinjena, zadržati je sa ametom i zadržati sa ametom.

UMETAK ZA ADAPTER KOLJEVINA

MicroTech CD je adaptator namjenjen za posebnu vrstu koljevina. Taj se umetak može skiniti i zamjeniti priključkom druge vrste, ali će utreštati potrebitne umetke.

IZMENA UMETAKA KOLJEVINA

Adaptator za koljevinu je namjenjen za učinkovitu lečenje koljevina. Prilikom upotrebe adaptora za koljevinu, nosa i grla, a kao i stjecanje očne aparatice i optičkih instrumenata. Abrazivne čestice mogu načiniti ozbiljne povrede na očima i ušima.

UPOTEH

Prilikom upotrebe adaptora za koljevinu, nosa i grla, a kao i stjecanje očne aparatice i optičkih instrumenata. Abrazivne čestice mogu načiniti ozbiljne povrede na očima i ušima.

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