

FINEST DENTAL INSTRUMENTS G ERMANY

since 1916


## LIQUIDSTEEL <br> fluent perfection

## New Comfort Line

from calrl Malriin - Solingen

An advanced design with all the features
of a modern manual instrumentarium.

## ERGONOMICS

## EASY CLEANING

## COLOUR CODING OPTIONS

## PRODUCT RANGE

LiquidStee extraction reps and a series of root elevators form the basis of the ne ine of extraction instruments. The range includes the manua atment, periodontology and prothetics.

The order numbers for our new LiquidSteel ${ }^{\circledR}$ range are the same as the current catalogue order numbers - only the abbreviation "LS" has been added in front of the order number for easy identification.


1. DESIGN

- The name LiquidSteel ${ }^{\otimes}$ and the design are protected by patent.
- A fundamental feature of the LiquidSteel ${ }^{\circledR}$ range of instruments is the homogeneous and - as far as is possible - edge-free sufface design.


## 2. MATERIAL

- LiquidSteel ${ }^{\circledR}$ is a high-density, stainless instrument steel with a chromium content of almost $14 \%$. The molecular matrix structure of the steel has been optimized using the NOXI-hardening technique and this has greatly increased the cutting capacity, service life and resistance to oxidation (increased efficiency of up to $50 \%$ ). The exceptional silky lustre of the surfaces (with manual instruments) is attained by special electropolishing followed by a GBF procedure. This special sufface conditioning produces a high-resolution matt structure (marked increase in pixels in the anti-reflection range), which considerably reduces light reflection. This is a major advantage compared with conventional matting processes.


## 3. ERGONOMICS

d hanale (solia)

- Thumb and finger chamfers to the working tip ensure excellent guidance of the instrument.


## 4. WEIGHT

- Very lightweight hollow handle ( $\varnothing 10 \mathrm{~mm})$
- Extraction forceps: weight approx. $30 \%$ less than conventional models


## 5. CLEANING

- Official requirements on the preparation of instrument sets increasingly focus o validated working procedures. The very smooth and mainly rounded surface design greatly reduces contamination and the build-up of deposits. This is a significant improvement in the overall preparation process.


## SUITABLE FOR

- Thermal disinfectable


## New handle design

- Smooth surface
- Single-sided, ergonomic handle contour
- Serrated grip in the forceps jaws
- Teflon disc in the forceps hinge


EXTRACTION FORCEPS

## EXTRACTION

Kiguiddsfeele

## EXTRACTION FORCEPS



Lower, anteriors and premolars
เs13


Lower, molars, right + leff, cow-horn beak LS86C


EXTRACTION FORCEPS SET


LS3280A

## PAEDIATRIC EXTRACTION FORCEPS WITH SPRING

 LS280A/5



EXTRACTION
ムiquidsteele


straight, $2,5 \mathrm{~mm}$

curred, $4,0 \mathrm{~mm}$


FUSION EX SET OF 8


## fusion ${ }^{\circ}{ }^{\circ}$

PERIOTOM
lighty fexible
for the separataio


## ROOT ELEVATORS/LUXATION INSTRUMENTS

FusionEx instruments with fine arrow tip,
for gentle detachment of the gingiva and desmodontal fibres

$\square$
$3,5 \mathrm{~mm}$ curred
Ls592A/3.5


## 

The Titanium Carbide ions are deposited to the working end in $a$ special process, which allows the ions being penetr
into the material. As a result, the degree of hardness increases from normal 48.52 HRC (Rockwell) to 75.80
HRC. The wear of the suffaces is educed enormously. The HRC. The wear of the surfaces is reduced enormously The
risk of fractures las in ionventional TC deposits possibel
and bending - especially with very fine needle holders - is Iisk of fractures las in conventional IC deposits possibie)
and bending -especilly with very fine needle holders- is
almost compledy eliminated. almost compleiely eliminated.

TI $\quad \pi$-namim

TC
With tungsten carbide inserts, $\mathrm{TC}=$ Fungsten carbide
 In oddifion, the TC inserts markedly increase the resistance
to heat fom thermo disifection ( $99^{\circ} \mathrm{C}$ ) and sterilisation (up to $180^{\circ} \mathrm{C}$ ).

SURGERY IMPLANTOLOGY

凸iquiderieclo


TI


## NEEDLE HOLDER



## NEEDLE HOLDER



NEEDLE HOLDER MICRO



SURGERY IMPLANTOLOGY

आiquidderee[•



Tweezers anatom. 2,0mm, 14,5cm 15792/14.5


15793/14.5

## SURGERY IMPLANTOLOGY

आiquoiderfee[0


## TC = Tungsten Carbid

 With tungsten carbide insertsRH = ROCKHARD
TITANIUM CARBIDE coating

## MICRO SURGERY-TRAY



## MICRO TWEEZERS

"

|  |
| :--- | :--- |

MICRO tweezers $0,8 \mathrm{~mm}$ curved, round handle, 18 cm

## [ ${ }^{\text {H }}$

MICRO tweezers $0,8 \mathrm{~mm}$ straight, round handle, $18 \mathrm{~cm} \quad$ L5783/18


The Tivium Cabide ins ar denosiled the warkn end ino specia process which
RH dilows thium Carbide ions ore deposited to the working end in a speciol process, which allows the ions being penentoted into the material. As a restlt, the degree of hardness
increases trom normol 48.52 HRC (Rockwell) 75.80 HRC. The wear of the suffaces 5 reduced enormously, The risk of fractures las in conventional TC deposits possible)
and bending especially with very fine needle holders is is almost completely eliminated.

## PAPILLA ELEVATOR



HAEMOSTATIC CHISELS
-

Haemostatic chisel round 3 mm

## -

Haemostatic chisel round 5 m


Haemostatic chisel round 7 mm

## TUNNELING INSTRUMENTS

To avoid large flaps with the aim of a surgical undermining technique, these instru ments are used for the creation of planar tunnelling incisions into the tissue. Such surthe tunnel technique.


Tunneling instrument
Ls1812/1.8-2.5


Tunneling instrument angled LS1812A/1.8.2.5


Tunneling instrument ALLEN 2,0/2,0mm
LS1813/2.0


Tunneling instrument ALLEN $2,8 / 2,8 \mathrm{~mm}$
LS1813/2.8

PERIOTOM


Periotom anterior LS1806/PT2


- lightly flexible

Thatly flexible
for the sepparation of the Sharpey fibres
LS592PT/Flex GINGIVA RETRACTOR



SINUSLIFTING INSTRUMENTS
Sinus-lifing: Describes an augmentation method in the immediate viciinity beneath the sinus in cases with atrophied mandibles. Sinusilifing involves firstriyleasing the mucous membrane of the nose from the bone and filing the remaining space with autologous bone



SINUSLIFTING ELEVATORS - DOUBLE ANGLED


SINUSLIFTING APPLICATORS - SURGICAL


Sinusififing applicato
LS1650/10

# STERI-WASH-TRA4 



## PERIODONTOLOGY <br> Kiquoidsfecio


 LS3020


## UNIVERSAL CURETTES



SCALER
IS961/2045



L5972/H6-H7



Measurements: $190 \times 140 \times 37 \mathrm{~mm}$
$\qquad$

LANGER universal curette,
LANGER universal curette,
for all areas in the posterior region, lower iaw
L5962/1-2


LANGER universal curette,
for all areas in the anterior region, lower- and upper iaw L5962/5.6

## COLUMBIA CURETTE



COLUMBIA curette
L5960/13-14

## GRACEY CURETTES MINI FIVE

GINGIVECTOMY KNIVES


PERIODONTAL FILES



## BONE CHISEL







## FILLING INSTRUMENTS ROUND CONDENSERS



Filling instrument, round condenser, $\varnothing 1,9 \mathrm{~mm}+2,3 \mathrm{~mm} \quad$ LS1054/148


## FILLING INSTRUMENTS ROUND CONDENSERS



FILLING INSTRUMENTS CEMENT PACKERS


## MODELLING INSTRUMENTS



## PolyFill <br> PLASMA ${ }^{+}$.



## Composite instruments

With hitanium oxide coating
Extremely hard and scratch-res
No adhesive effect with composites
Dork blue working end for perfect contrast with filling material
Matre handle for glare-free working

## CONSERVATION TREATMENT

आiquoicsfrear

## POLYFILL PLASMA+


. $51051 / 546$

เs1055//4


L5105//14


Ls105//95
 3080-DE


COMPOSITE INSTRUMENTS POLYFILL PLASMA+


Spatula with a very thin blade/working tip
for operators who prefer slighty t texible


## COMPOSITE INSTRUMENTS POLYFILL PLASMA+



Drop-shaped condenser similar to model 1051/95,
but finer - for minimally invasive microcaviities


The drop-shaped condenser facilitates condensing the filling material in on optimal way compared with the use LS1051/95
of a normal balltip instrument.


FILLING INSTRUMENTS POLYFILL PLASMA+


## PolyFill <br> PLASMA ${ }^{+}{ }^{\text {® }}$



## Composite instruments

With titanium oxide coating
Extremely hard and scrath
No achesive effect with composities
Dark blue working end for perfect contrast with filling material
Matte handle for glare-free working

## CONSERVATION TREATMENT

## Kiguod sice ${ }^{\text {® }}$



## GOLDSTEIN POLYFILL PLASMA +



FILLING INSTRUMENTS POLYFILL PLASMA+


For final shaping of class $1+2$ fillings in the lingual anteriors
LS1051/25A


For poorly accessible regions when restoring
smaller cavities in anteriors

## FILLING INSTRUMENTS POLYFILL PLASMA+



## FILLING INSTRUMENTS POLYFILL PLASMA+

## Bulk-Composite-Fillings

for bulk fillings in the posterior region. The diameter/width of the ball.shape, pear-
shape and spatula enable quick filling, plugging and condensing of comosites shape and spatula enable quick filing, plugging and condensing of compososits.
In particular BULK composites, which can be built up in few working stages due In particular BULK composites, which can be built yp in few working stages due
o quicker polymerisation characterisicics, can be effectively fabricated using these shapes.

 $=$ pair of instruments

## MATRIX RETAINERS



## GINGIVAL MARGIN TRIMMERS

 ENAMEL HATCHETS


SCALER/TEMPORARY RESTORATION REMOVER



Ls1066/1.5.SET



