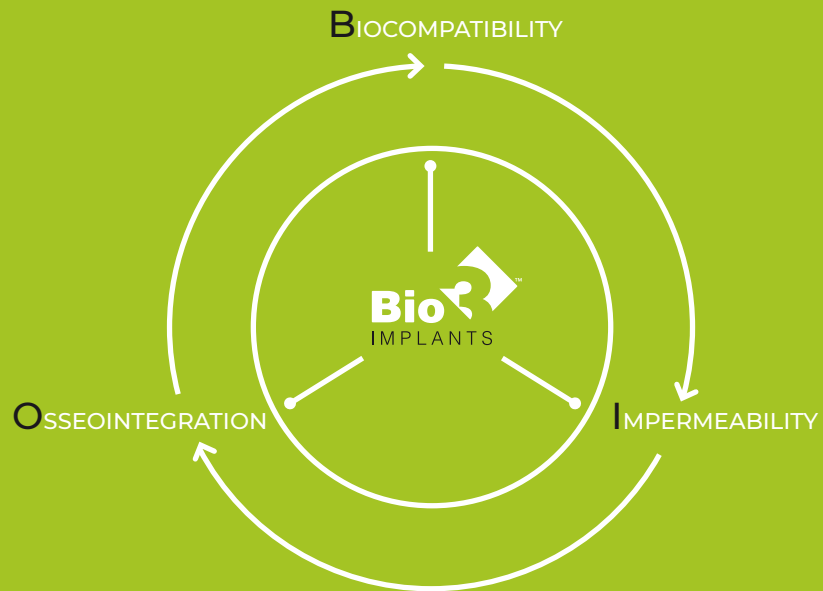




Bio3 Implant System®
Deutsche Qualität

BIO3 SURGICAL KIT

CATALOG OF TOOLS



IT`S NATURAL



CONTENT

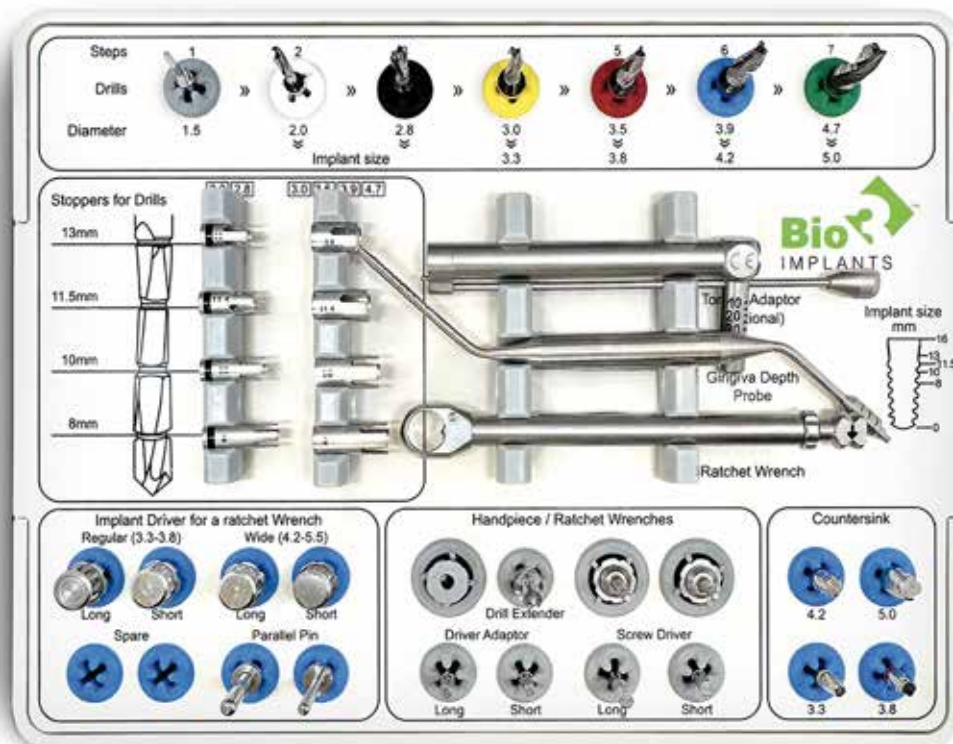
02.....	Bio3 SURGICAL KIT
03.....	Drills
04.....	Set of Stoppers
05.....	Tools
11.....	Sterilization IFU
12.....	Surgical protocol
13.....	Drill Protocol for Different Bone Types
14.....	Torque Wrench assembly
15.....	Drill length and Drilling speed (RPM)
16.....	Cad/Cam Libraries



FOR A QUICK AND EASY DENTAL SURGERY

Bio3 SURGICAL KIT

Bio3 SURGICAL KIT



VSC

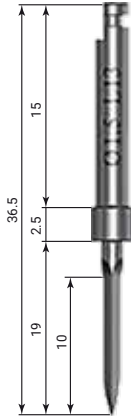
Bio3 SURGICAL KIT(VSC) includes a full set of tools needed for dental implant surgery.

The Bio3 Surgical Kit offers a comprehensive collection of precision instruments, essential for seamless dental implant surgery.

This versatile kit empowers clinicians to effortlessly place any type of Bio3 implant with unmatched efficiency, ensuring the procedure is completed in minimal time.

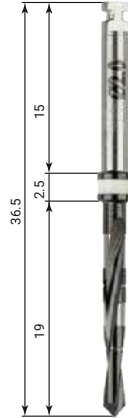
Crafted from premium-grade materials, all instruments within the kit meet the highest international standards, ensuring reliability and superior performance in every surgical application.

DRILLS



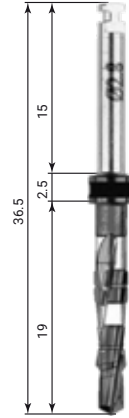
Pilot Drill

TCB1.5



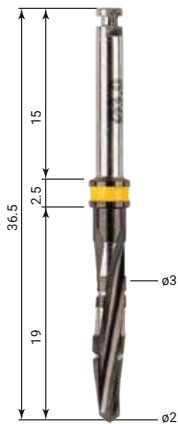
Start Drill

TCB2.0-2.8



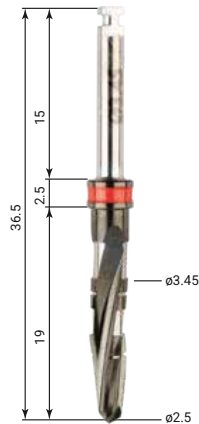
Start Drill

TCS2.8



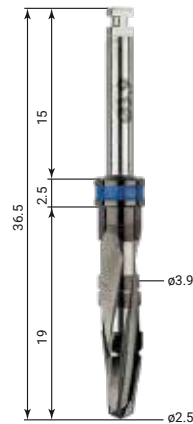
Finish Drill

TCS3.0



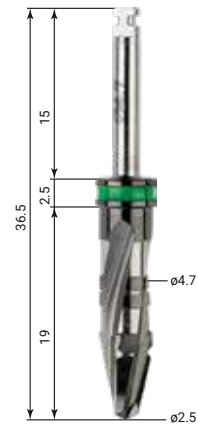
Finish Drill

TCS3.5



Finish Drill

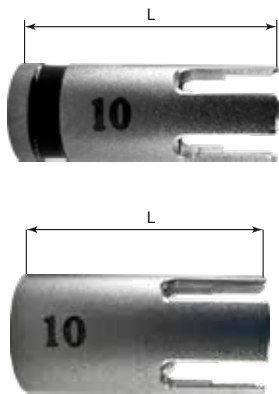
TCS3.9



Finish Drill

TCS4.7

DRILL STOPPERS



Stoppers in implantology are used to control the depth of drilling during the preparation of the implant site. They ensure that the drill does not exceed the intended depth, which helps to prevent damage to surrounding anatomical structures and ensures the precise placement of the implant. This is critical for maintaining patient's safety and achieving optimal implant stability.

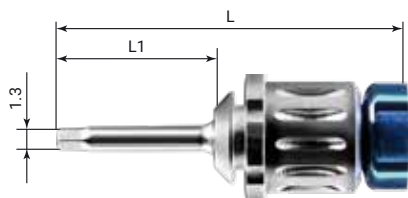
Stoppers For Start Drills (TCB2.0-2.8, TCS2.8)
Stoppers For Finish Drills (TCS3.0, TCS3.5, TCS3.9, TCS4.7)

*Stopper 6 mm is not included in the Bio3 Surgical Kit
*Stopper 6 mm is not included in the Bio3 Surgical Kit

Name	Product code	L, mm
Stopper for Drill D 2.0-2.8 L 6	LB2.0-2.8/6	13.5
Stopper for Drill D 2.8 L 8	LB2.8/8	11.5
Stopper for Drill D 2.8 L 10	LB2.8/10	10
Stopper for Drill D 2.8 L 11.5	LB2.8/11.5	8.5
Stopper for Drill D 2.8 L 13	LB2.8/13	6

Stopper for Drill D 3.0-4.7 L 6	LB3.0-4.7/6	13.5
Stopper for Drill D 3.0-4.7 L 8	LB3.0-4.7/8	11.5
Stopper for Drill D 3.0-4.7 L 10	LB3.0-4.7/10	10
Stopper for Drill D 3.0-4.7 L 11.5	LB3.0-4.7/11.5	8.5
Stopper for Drill D 3.0-4.7L 13	LB3.0-4.7/13	6

SCREWDRIVERS

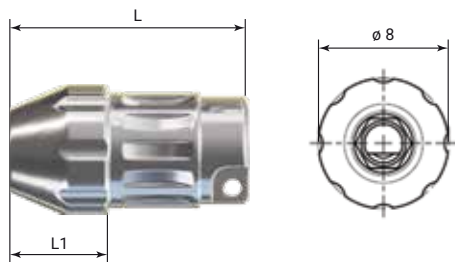


Screwdriver is used for securing prosthetic screws. It is essential for the precise placement and tightening of superstructure screws, ensuring the stability of the overall construction.

Gingiva former - 15 N*cm
Cover screw for implants 10 - 15 N*cm
Screw for abutments 25 - 30 N*cm
Screw for MU (screw for gima) max 15 N*cm

Name	Product code	L, mm	L1, mm
Universal Screwdriver for Screws L 9 mm	SU9	22.1	10
Universal Screwdriver for Screws L 18 mm	SU18	27.1	15

RATCHET ADAPTOR

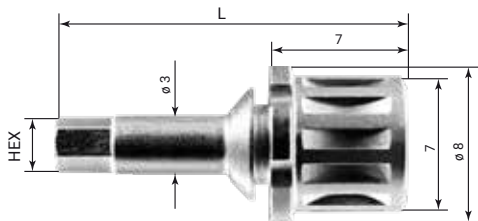


Ratchet Adaptor acts as a connector that enables the use of an implantdriver with a ratchet wrench for manual insertion of the implant. This is particularly useful in situations where manual control of the applied force is required, rather than using handpiece.

Name	Product code	L, mm	L1, mm
Adapter for Handpiece	AD	14.5	6

Bio3 SURGICAL KIT

IMPLANTDRIVERS (for Ratchet Wrench)

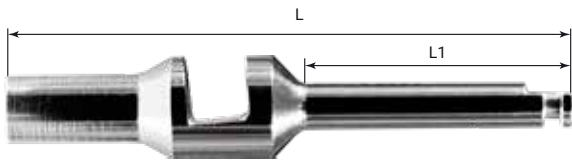


Implant driver (for a ratchet wrench) is designed for the installation of dental implants using a ratchet wrench. It ensures precise control and stability during implant placement, allowing for torque control with a torque wrench adaptor to ensure correct installation and stability of the implant within the bone. Max tork - 80 N*cm.

Colored anodizing STANDARD - PINK
Colored anodizing WIDE - GOLD

Name	Product code	L, mm	D, mm
Implantdriver Standart Platform 2.0 L 9	IS9	18	2.10
Implantdriver Standart Platform 2.0 L 18	IS18	27	2.10
Implantdriver Wide Platform 2.5 L 9	IB9	18	2.50
Implantdriver Wide Platform 2.5 L 18	IB18	27	2.50

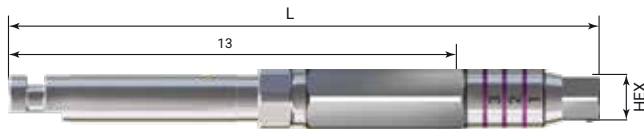
DRILL EXTENSION



Drill extension is a tool used in implantology to extend the reach of dental drills. It allows the dentist to access hard-to-reach areas during implant procedures, providing better control and precision. Drill extensions are particularly useful when working in deep or narrow spaces within the oral cavity.

Name	Product code	L, mm	L1, mm
Drill extension Bit	ED	29	14

DRIVE ADAPTORS (FOR HAND PIECE)

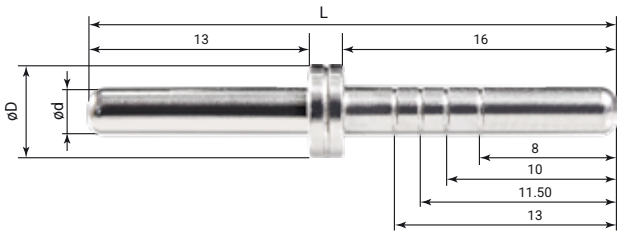


Implant driver for a handpiece designed for extract the implants from the Flask and the installation using a dental handpiece. It ensures precise control and stability during the placement of the implant, allowing for efficient control torque and accurate insertion into the bone.
Max tork - 50 N*cm.

Colored anodizing STANDARD - PINK
Colored anodizing WIDE - GOLD

Name	Product code	L, mm	D, mm
Drive adaptor for Hand Piece Standart Platform 2.1. L 9	ITS9	25.5	2.10
Drive adaptor for Hand Piece Standart Platform 2.1. L 18	ITS18	31.5	2.10
Drive adaptor for Hand Piece Wide Platform 2.5. L 9	ITB9	25.5	2.50
Drive adaptor for Hand Piece Wide Platform 2.5. L 18	ITB18	31.5	2.50

PARALLEL PINS

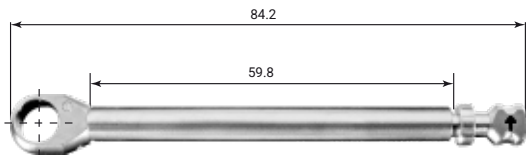


Parallel pins are indeed components used in implantology to ensure the parallelism and stability of implants. These pins are utilized for aligning and securing implants, abutments, and other structures in the correct position during the installation and fixation of prostheses or other orthopedic constructions.

Name	Product code	D, mm	d, mm	L, mm
Parallel Pin Straight	PPL	5.5	2.0	31
Parallel Pin Straight 2.8	PPL 2.8	5.5	2.8	31

Bio3 SURGICAL KIT

RATCHET WRENCH



Ratchet wrenches are versatile tools in dentistry, used to stabilize and manipulate dental appliances during procedures. They're essential for tasks like adjusting crowns, bridges, and dentures, positioning orthodontic wires and brackets, placing dental implants, and assisting in periodontal surgeries.

Name	Product code
Ratchet Wrench	HR

COUNTERSINK

Countersink is used to create a conical recess in bone or dental materials to ensure screws or implants fit flush with the surface. This helps improve the stability and integration of dental implants or fixtures, reducing stress and enhancing overall structural support.



Countersink
P3.3



Countersink
P3.8

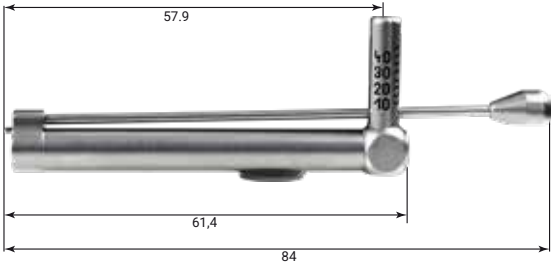


Countersink
P4.2



Countersink
P4.7

TORQUE WRENCH ADAPTOR



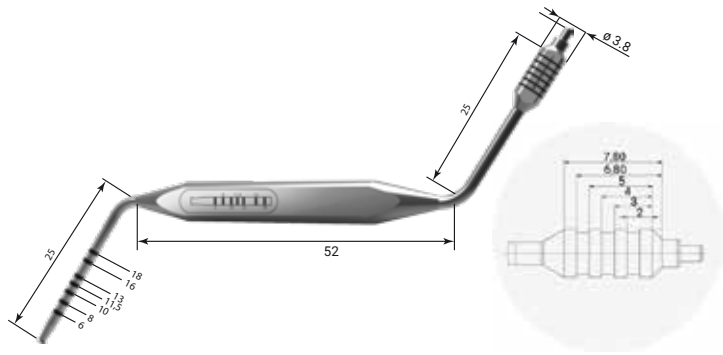
Torque wrench adaptor is designed for the installation of dental implants and for securing prosthetic components with precise control of axial tightening force. This allows the clinician to strictly adhere to the recommended parameters for installing prosthetic parts. Torque from 10 to 40 N/cm.

Name	Product code
Ratchet-Torque Combination Pull 10/45N	SK10/45



Bio3 SURGICAL KIT

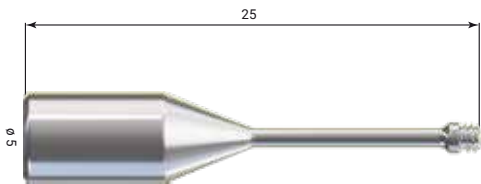
GINGIVA AND BONE DEPTH PROBE



Gingiva and Bone Depth Probe is used in dentistry to measure gingival pocket depth and assess bone support around teeth. It helps diagnose periodontal disease, monitor its progression, and plan appropriate treatment.

Name	Product code
Gingiva and Bone Depth Probe	GBDP

HOLDER FOR ANGLED MU

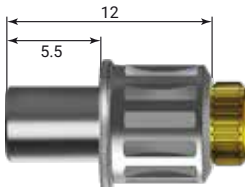


Holder for Angled MU - a transfer tool used for placing multi-unit abutments in the patient's oral cavity. It allows for the accurate positioning of the multi-unit abutment, which can then be secured in place with a screwdriver.

*not included in the Bio3 Surgical Kit

Name	Product code
Holder for MU M1.6	HF-TBM

WRENCH FOR STRAIGHT MU



Wrench for Straight MU - used as a holder and wrench, used for secure fixation. It ensures precise placement and stability of the Multi-Units.
Max tork - 20 - 25 N*cm
Use only for Straight MU

*not included in the Bio3 Surgical Kit

Name	Product code
Wrench for straight mu	WF-MU

STERILIZATION PROTOCOL

Bio3 recommends either the Pre-vacuum or Gravity autoclave methods for sterilization under the conditions described below. Make sure packaging is suitable for steam sterilization.

Important Recommendation:

Carefully follow the manufacturer's instructions regarding the percentage ratios of solutions when soaking the instruments, and ensure the instruments are thoroughly dried afterward.

Failure to adhere to these guidelines may result in staining of the instruments, for which Bio3 assumes no responsibility.

Method-Moist Heat Sterilization	Pre-vacuum	Gravity
Set Point Temperature	134°C	134°C
Exposure Time	4 min	30 min
Drying Time	4 min	30 min

Bio3 SURGICAL KIT

SURGICAL PROTOCOL

Implant
PROGRESSIVE
Soft bone

Ø 3.3



Code

Diameter



TD1.5 Drill	TCA2.0 Drill	TCA2.8 Drill	TCA3.0 Drill	Drive adaptor ITS18	Implantdriver ITS9	PTI3.3/10.
Ø 1.5	Ø 2.0	Ø 2.8	Ø 3.0			Ø 3.3

Implant
ADVANCED
Hard bone

Ø 4.2



Code

Diameter



TD1.5 Drill	TCA2.0 Drill	TCA2.8 Drill	TCA3.0 Drill	TCA3.45 Drill	TCA3.9 Drill	Countersink PrD4.2	Drive adaptor ITB18	Implantdriver ITB9	ATIB4.2/10.
Ø 1.5	Ø 2.0	Ø 2.8	Ø 3.0	Ø 3.45	Ø 3.9				Ø 4.2

DRILL PROTOCOL FOR DIFFERENT BONE TYPES

Implant
PROGRESSIVE



Name	Bone Type		
	D4	D2 -D3	D1
Implant 3.3	Drill 2.8	Drill 3.0	Drill 3.0 + PrD 3.3
Implant 3.8	Drill 3.0	Drill 3.5	Drill 3.5 + PrD 3.8
Implant 4.2	Drill 3.5	Drill 3.9	Drill 3.9 + PrD 4.2
Implant 5.0	Drill 3.9	Drill 4.7	Drill 4.7 + PrD 5.0

Implant
ADVANCED



Name	Bone Type		
	D4	D2 -D3	D1
Implant 3.3	Drill 2.8	Drill 3.0	Drill 3.0 + PrD 3.3
Implant 3.8	Drill 3.0	Drill 3.5	Drill 3.5 + PrD 3.8
Implant 4.2	Drill 3.5	Drill 3.9	Drill 3.9 + PrD 4.2
Implant 5.0	Drill 3.9	Drill 4.7	Drill 4.7 + PrD 5.0

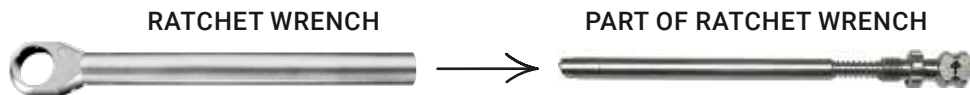
Bio3 SURGICAL KIT

TORQUE WRENCH ASSEMBLY

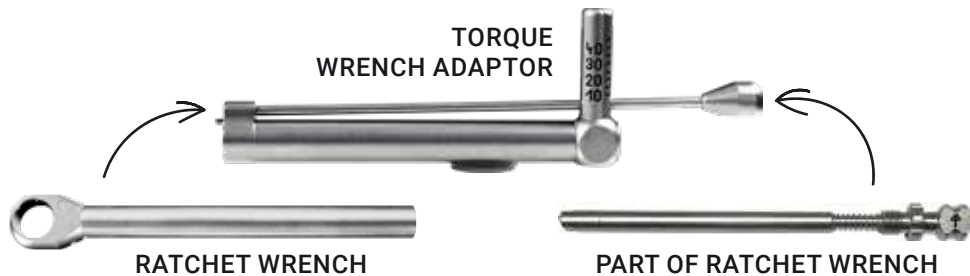
1 step



2 step



3 step



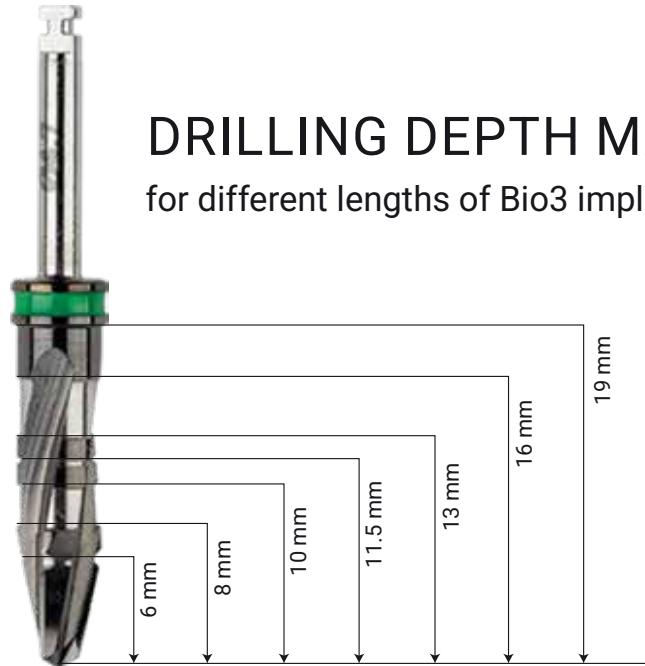
4 step



DRILL PROTOCOL

DRILLING DEPTH MARKS

for different lengths of Bio3 implants



DRILL PROTOCOL OF DIFFERENT SURGICAL DRILLS

Drill diameter, mm	1.5	2.0	2.8	3.0	3.45	3.9	4.7
Drilling speed RPM	800-1200	800-1000	600-800	600-800	500-700	400-600	400-600
	800-1200	800-1000	600-800	600-800	500-700	500-700	500-700
	800-1200	700-900	500-600	500-600	500-600	500-600	500-600
	800-1200	400-800	400-500	400-500	400-500	400-500	400-500

Softwares:

exocad

exoplan

3shape

dicomLAB[®]

BlueSkyBio
DIGITAL

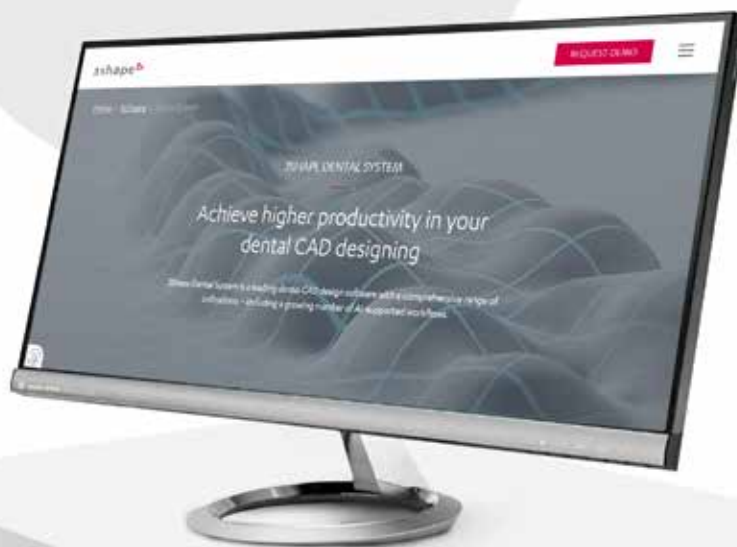
ImplaStation

NEMOTEC
DIGITAL DENTISTRY

blenderfordental

3DIEMME[®]
BIOMAGING TECHNOLOGIES

Bio3 IMPLANTS
offers a wide range of
CAD/CAM LIBRARIES
for most software
platforms



All files in the CAD/CAM library are available for free download from the Bio3 website.

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

