Machined Surface

MSc stands for Machined Surface coronally. Capturing the advantage of Southern’s proven rough surface where it is needed most, to prevent initial failures, and a coronally machined area of specific surface roughness, to maintain bone in situations of bacterial onslaught.

Indicated for patients with higher risk of coronal bone loss (smokers, history of periodontitis, cardio-vascular disease)

Machined coronal area

The implants have a specific roughness machined coronal surface area. This “smoother” coronal surface is engineered to reduce bacterial adhesion and thus decreases the risk of infection which could lead to marginal bone loss.

Pure Titanium

All MSc implants are manufactured from Grade 4 commercially pure titanium. This material is widely used in dental implants because of its proven strength, reliability and biocompatibility.

Excellent primary stability

The implants feature a tapered body with single start 40° thread, which provides excellent primary stability, especially in soft bone.

Product range extension

There are four new External Hex introductions:
* The Ø3.0mm tapered implant, known as the Piccolo.
* The Ø3.25mm 12° Co-Axis implant.
* The Ø4.0mm 24° Co-Axis implant.
* The MAX Ø6.0mm implant.

Co-Axis™

The unique angulated platform design of the Co-Axis is available in the MSc range. The Ø3.25mm and Ø4mm feature a built in platform angulation of 12°, and a recent addition is the Ø4mm implant with an angulation of 24°. This innovative design enables tilting of the implant without compromising the prosthetic emergence angle in the anterior maxilla. This results in a greater volume of facial soft tissue and facilitates screw-retained prosthetics.

The Co-Axis implants are supplied with a fixture mount and require no special componentry for implantation. The Ø5mm range also features a 36° angulation in addition to the 12° and 24°.
**Proven, versatile connection**
The External Hex is the most used and most versatile connection system, worldwide. It is also the most documented, over a full spectrum of restorative applications.

**Surface**
With 15 years of clinical results, the moderately rough Southern Implants Alumina-blasted surface which is chemically conditioned, has shown consistently excellent results in both early osseointegration and longevity.

**Rounded apex**
The apex of the implant is specially contoured to minimize the risk of trauma to adjacent anatomies.

**MAX**
The MSc range includes the MAX implant which is indicated for immediate placement into molar extraction sockets. The wide-diameter platform and highly tapered body shape enable maximum engagement of the perimeter bony wall of multi-root sockets with divergent or tapered roots. The MAX concept allows for shorter treatment times and the avoidance of grafting procedures. A Ø6mm Max implant is now available in the MSc range.
The range includes the standard ULCA cylinders, as well as an impressive selection of innovative prosthetic solutions, designed to overcome commonly encountered restorative challenges.

Compact conical abutments allow the elevation of the restorative platform to a supragingival level, and conversion of the connection interface to the external cone, which is the most proven abutment interface for bridgework.

PEEK scanning flags enable the MSc to be used with most recognized CAD/CAM software packages.

The Passive Abutment product is built on the premise that impeccable fit to the implant (minimizing microgap) is of great importance for longevity of implant treatment. The best milled interfaces result in 15 to 50 micron microgaps.

Passive Abutments can be used with cast or milled abutments and structures, and reduce the microgap to less than 3 microns. The use of passive abutments drastically reduces unwanted stresses induced by prosthetic misfit, and can be used with non-precious metals.

The CIA scanning Abutment is a registered design with some unique contours, making it work with a wide variety of scanners and a wide variety of materials. The retaining screw pulls down on the abutment, and hence it can be used with lower strength restorative materials.

The CER-ZR Zirconia Abutment: These abutments are milled in the “green state” and then post-ground to ensure an impeccable fit to the implant, of less than 3 microns. They come in a wide variety of diameters so that the crown can be designed with minimal unsupported porcelain.

For further information, visit www.southernimplants.com