



CK SURGITECH



CK SURGITECH

MICRO TECH BIOPSY FORCEPS



MICRO-TECHTM
ENDOSCOPY

YOUR **TRUSTED** PARTNER IN ENDOSCOPY

9/02/2021

MICRO TECH BIOPSY FORCEPS

Micro-Tech have been designing and manufacturing biopsy forceps for the last 20 years

Mini, Standard, Large Capacity, Jumbo and Hot

Plain, Serrated, with and without spike

Biopsy Forceps are used more frequently than any other endoscopic accessory

Used during at least 80% of endoscopy procedures

Micro-Tech manufactured approx. 8 million biopsy forceps in 2019

The metal injection molded cup (MIM) forceps (TRUEBITE) have been superseded by a stamped cup design (TECHBITE)

Types of TECHBITE Jaws

STANDARD OVAL CUP PLAIN WITHOUT SPIKE

deeper biopsies

clean bite, smooth tissue sample

STANDARD OVAL CUP PLAIN WITH SPIKE

deeper biopsies

better anchorage

STANDARD OVAL CUP SERRATED WITHOUT SPIKE

improved mucosal hold / good for hard tissue

prevents biopsy slippage

tissue sample is from a larger surface area

STANDARD OVAL CUP SERRATED WITH SPIKE

improved mucosal hold / good for hard tissue

prevents biopsy slippage

tissue sample is from a larger surface area

better anchorage

The spike provides better anchorage, aids in the capturing of sample tissue and allows for multiple samples with one pass of the forceps, however this reduces the cup space and limits the size of the tissue sample



FEATURES & BENEFITS OF THE TECHBITE RANGE



STANDARD



LARGE CAPACITY



DUO CUP

STANDARD



Large spoon cup and stamped metal design

Coated sheath

Thumb ring / short throw handle

Single Wire / CAM Design

Short distal tip

3 sets of markings

2 point linkage

HANDLE & SHEATH DESIGN



SINGLE WIRE DESIGN

Direct Drive System, Single Wire:

Even and stronger closing force which reduces tearing and bleeding and enables a superior cutting performance and tissue sampling.



SINGLE WIRE CAM DESIGN

Direct Drive System, Single Wire CAM design:

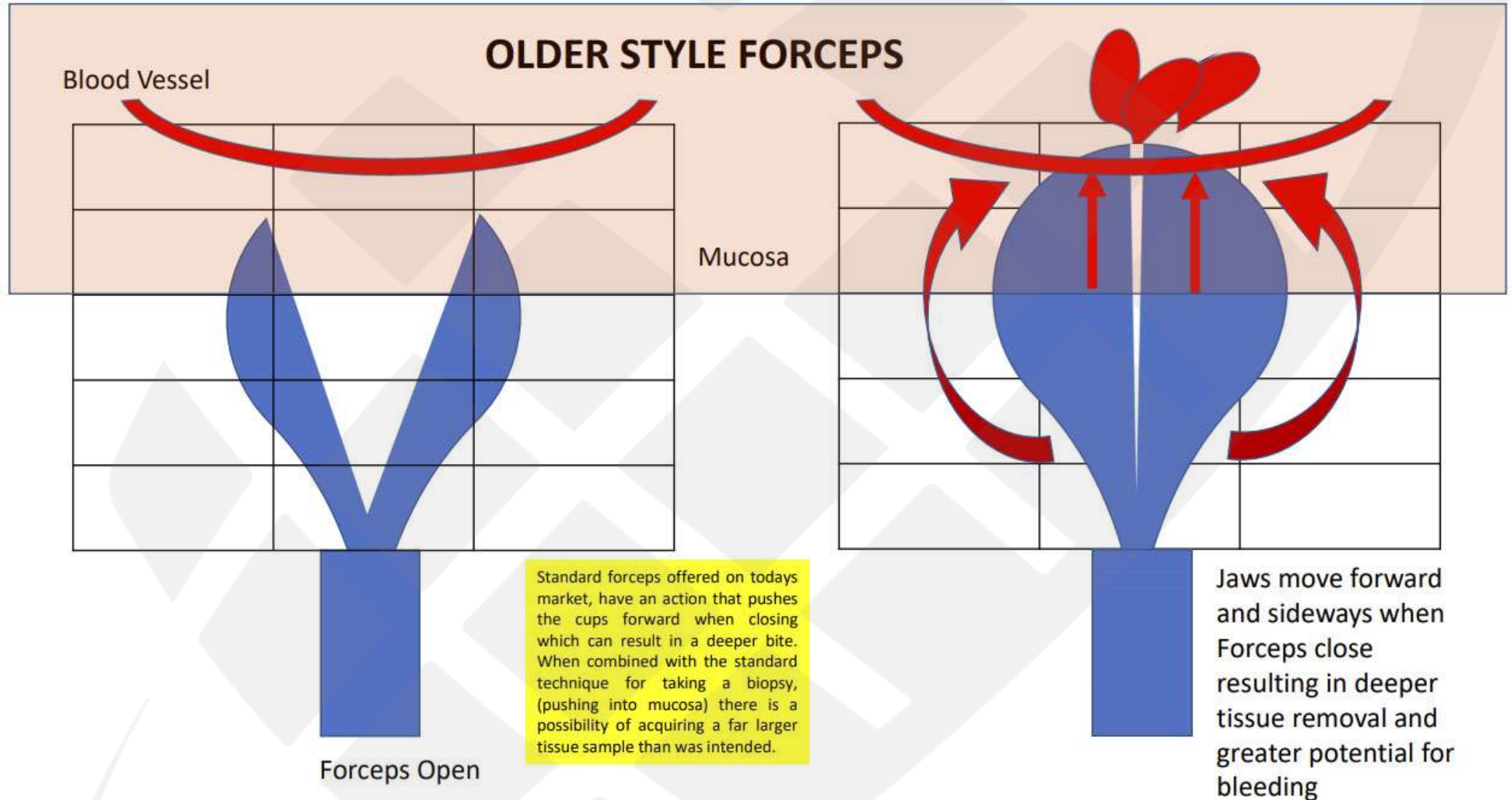
Allows for smoother activation around corners.

Complete jaw closure due to stamping process.

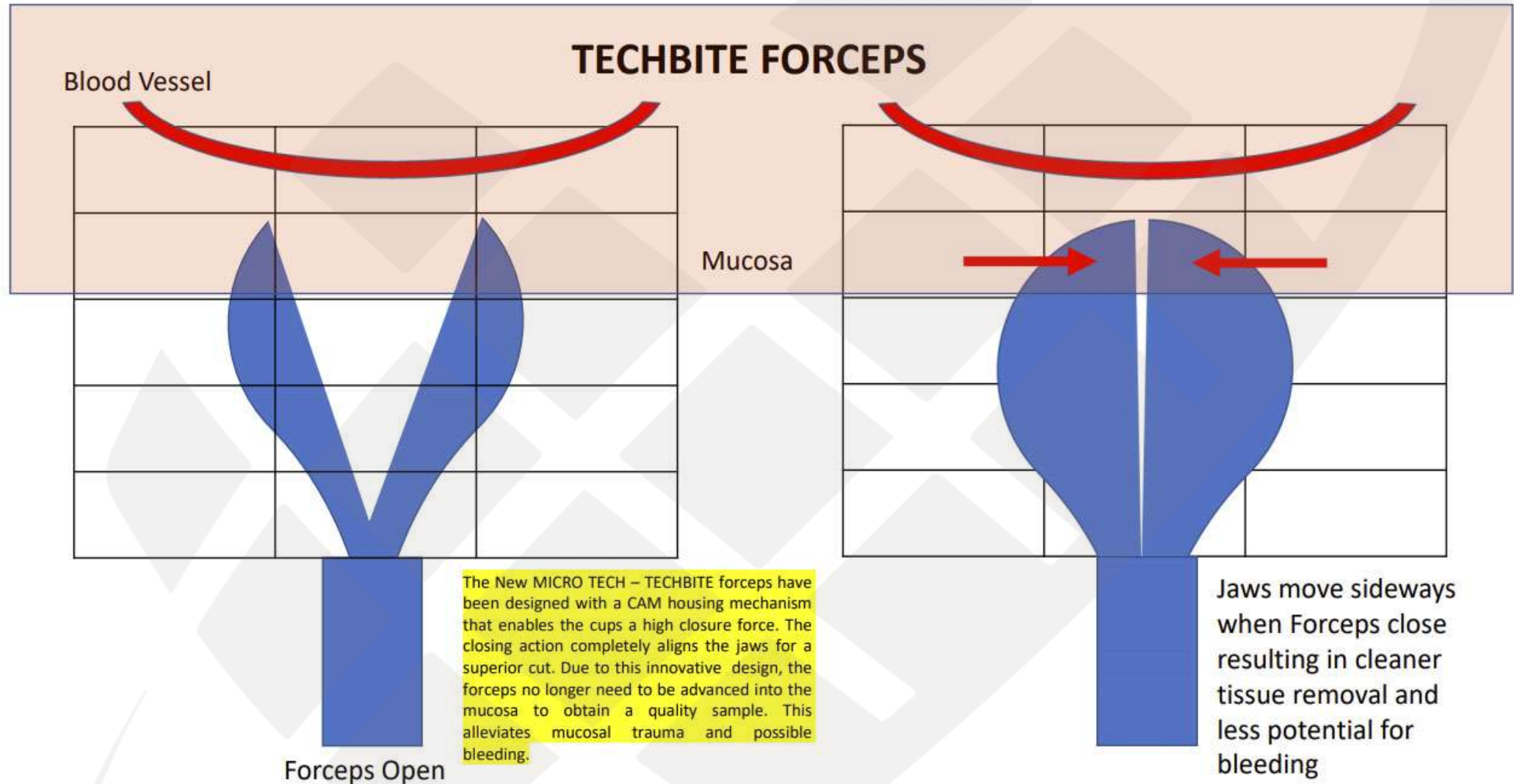
Reduced retraction during jaw closure, eliminating the need to push the forceps cups against the mucosa for tissue sampling.



TRUEBITE BIOPSY FORCEPS



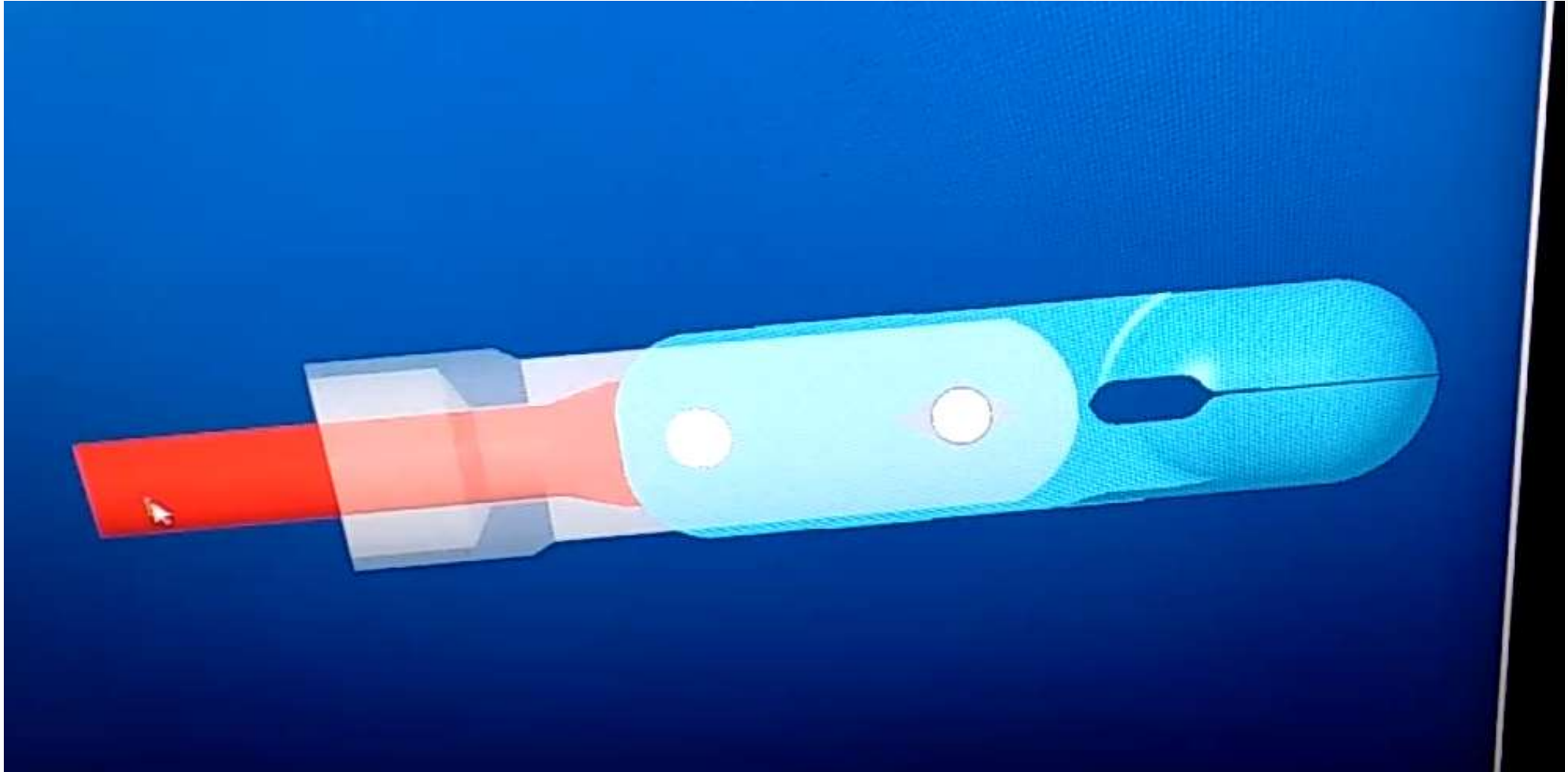
TECHBITE BIOPSY FORCEPS



TRUEBITE – 4 POINT LINKAGE DESIGN



TECHBITE – 2 POINT LINKAGE DESIGN



CAM ADVANTAGE for standard TECHBITE Forceps



9mm

Shorter distal end for easier insertion



11.5mm

Longer housing design



LARGE CAPACITY



**Large spoon cup and stamped
metal design**

Coated sheath

**Three ring / short throw
handle**

Swing Jaw Design

3 sets of markings

DOUBLE WIRE DESIGN

TWIN WIRE:

Pros

The twin wire design allows the forceps head to rotate radially creating a swing jaw.

The swing jaw mechanism facilitates the positioning of the forceps cups at biopsy sites and provides an advantage for tangential approaches.

Cons

Reduced closure force

When one cup is working the other isn't.



DUO CUP



Stamped metal cup design

Coated sheath

Three ring / short throw handle

Semi serrated cup

Important to remember:

TECHBITE = stamped metal cup design

CAM Design = standard TECHBITE NOT large capacity forceps

SUMMARY

TECHBITE refers to the stamped metal cup design

CAM design is a key feature of the Standard TECHBITE

Large Capacity TECHBITE has the added feature of a swing jaw



REFERENCES

1. Micro-Tech™



CK SURGITECH