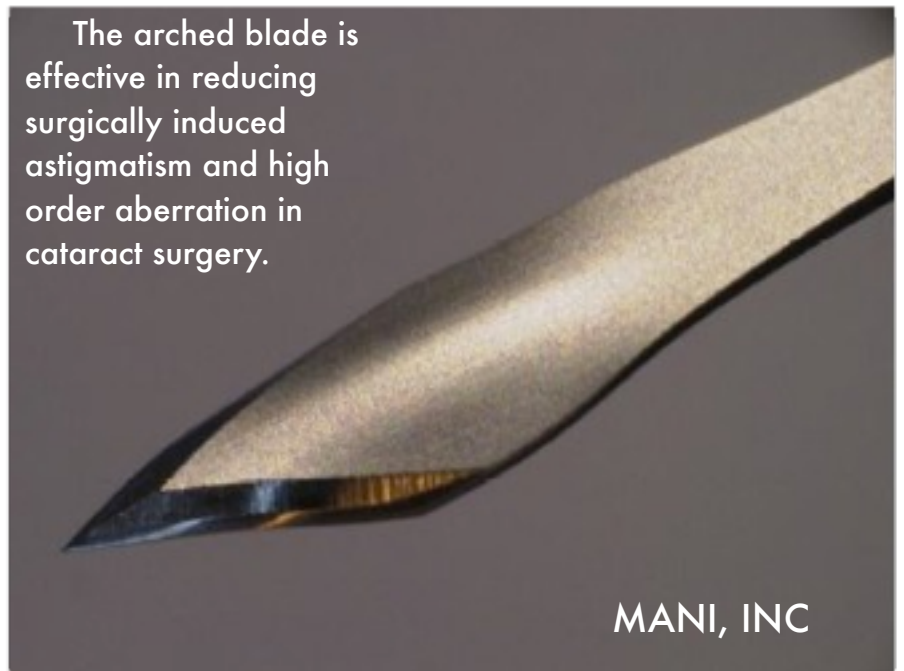


arched



MANI arched blade

The arched blade is effective in reducing surgically induced astigmatism and high order aberration in cataract surgery.



MANI, INC

MANI arched blade is a slit knife designed for clear corneal incision with IOL injector system.

When the incision is formed using a conventional slit blade, the shape of the result is straight-flat incision. Tip of IOL injector is three-dimensional object. The straight-flat cut end will be stretched wider by inserting the injector. The tissues get damages from stretching the cut end surface and it makes difficulty on self-sealing. This arched blade is completely different. It is available to form a three dimensional incision

which prevents any further damage to the wound and avoid water leakage from the inside of eye. Additionally, the shape of the arched incision does not hinder it from sealing properly. A concave portion located on one side of the incision allows for the smooth insertion of the object, so that the incision is not stretched in such a way that it is opened in the vertical direction. Although the convex portion is bent towards the inside of the eyeball due to the insertion of the object, this convex portion returns to its original position immediately after the object is withdrawn due to the internal

pressure of the eyeball, thereby providing for an improved self-sealing action. Clear corneal incisions made by arched blade limits in the wound length with strong self-sealing abilities, and that using the blade may reduce the risk of endophthalmitis.

Reference:

clinical evaluation of the arched blade for cataract surgery

For inquiry:

MANI, INC.

ophthalmic section

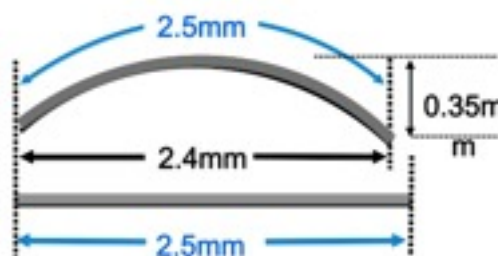
+81-28-667-7565

ophthalmic@ms.mani.co.jp

length of incision

arched blade MSL25AB

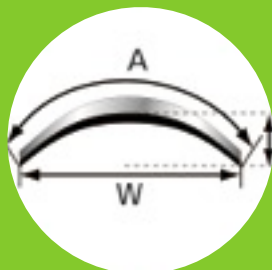
normal slit knife MSL25



caution

The arched blade is unsuitable for use in cases that require an enlarged wound and sclerocorneal incision.

Slit knife arched



0.3/0.4 to 0.7mm
away from the limbus.

MSL18AB
flat width:1.7mm
Height: 0.3mm
arch width: 1.8mm

MSL20AB
flat width:1.85mm
Height: 0.35mm
arch width: 2.0mm

MSL22AB
flat width:2.05mm
Height: 0.35mm
arch width: 2.2mm

0.4 to 0.7mm away
from the limbus

MSL25AB
flat width:2.4mm
Height: 0.35mm
arch width: 2.5mm

MSL26AB
flat width:2.5mm
Height: 0.35mm
arch width:2.65mm

MSL28AB
flat width:2.6mm
Height:0.4mm
arch width:2.8mm

0.5/0.6 -0.8mm
away from the limbus

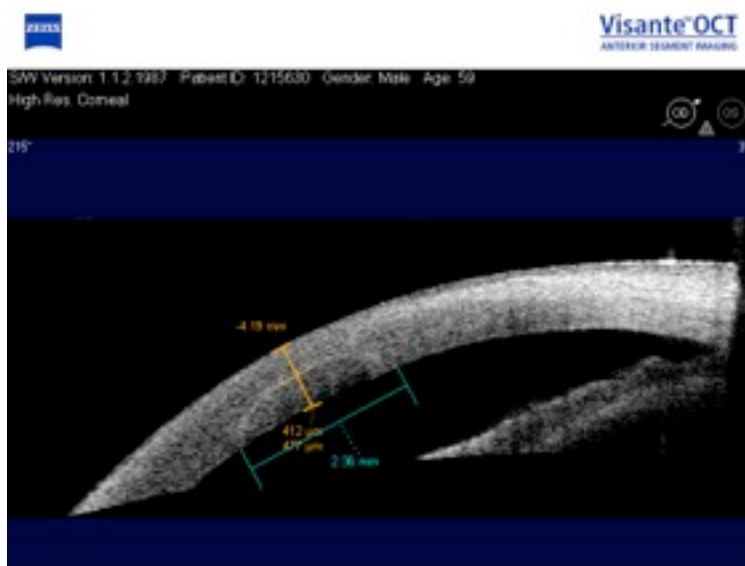
MSL30AB
flat width:2.8mm
Height:0.45mm
arch width:3.0mm

MSL32AB
flat width:3.0mm
Height:0.55m
arch width:3.2mm

MSL34AB
flat width:3.2mm
Height:3.4mm
arch width:0.55mm

CORNEAL WOUND AFTER SURGERY - OCT IMAGE OF CORNEA

Better incision
architecture for
IOL injector.



Better wound
integrity.

location of incision

Start the initial small
incision centrally away
from the corneal limbus to
prevent cutting the
conjunctiva and induce
chemosis.

