PROCESSING GUIDE

Younger Optics Seamless® 28 invisible bifocal

The Younger Seamless Lens was the first commercially available lens of this kind. It was the first bifocal to offer the cosmetic benefits of being invisible, while attempting to correct some of the common dysfunctions of a segmented bifocal, such as jump and split images.

The “unusable” transition separating distance from near is approximately 3.5mm across. This controlled region is designed to allow the patient the following benefits:

1. Controlled gradual access into the reading area
2. Elimination of split images
3. Reduced effect of jump
4. Increased invisibility (no visible ledge)

General Rx Processing Instructions

CT / ET

2.2 mm minimum is recommended.

Layout

Use standard surface layout procedures for round segment lenses. Segment is located 4mm down and 0mm in. Rotate the lens clockwise or counterclockwise for decentration at surfacing layout.

Blocking

Apply surface saver tape to front surface.

Use standard blocking method for 1.50 index material and round segment bifocal lenses.

For best results and to avoid any unwanted prism in the distance area, we recommend the use of a cut-off blocking ring or a fiber ring. Apply pressure at the distance part of the lens to ensure it is flush against your block.

Surfacing / Generating

Standard 1.50 index processing is recommended for generating. Center and edge thickness recommendation is 2.2mm.

Fining and polishing

Standard 1.50 index processing is recommended for fine and polish procedures.

Back surface hard coating

A back surface hard coating/ scratch-resistant coating is optional. Standard procedures for coating 1.50 index hard resin lens should be followed if coated.

Verification of power and layout for edging

Check Distance Rx power 8mm above the segment. Use Distance PD for edging layout.

Edging

Follow standard lab based 1.50 index hard resin edging procedures.

Tinting

Follow lab based technique for 1.50 index materials and adjust accordingly.