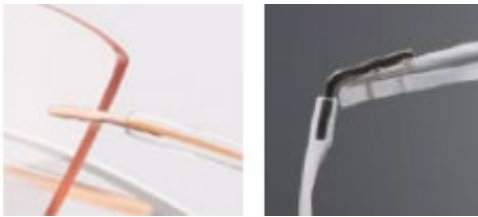




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## Chassis 5523 Essence: Technical Information

- Chassis 5523 Essence collection marries Silhouette's High-Tech Titanium and SPX® to create an exciting hingeless style
- The titanium endpiece is molded into the SPX® hingeless temple



- The titanium endpiece allows easy adjustment of the frame for temple side pressure and pantoscopic angle
- By using a titanium endpiece and bridge, the mounting of the frame parts uses standard Silhouette hole size of 1.4 millimeters
- The new bridge profile is a modern interpretation of a rounded retro look



- Distance between lens (DBL) measurements match Silhouette bridge measurement of 17 and 19 millimeters. A 21 mm bridge is also available
- Essence collection includes 8 shapes that can be easily produced by any lens edger
- Each shape is supported with two lens sizes
- Patterns are available by calling Silhouette customer service at 1-800-223-0180
- OMA shape files and drill charts are available at [www.silhouettelab.com](http://www.silhouettelab.com)

- Changes to lens sizing – beyond standard lens sizing – is possible. Hole locations will need to be adjusted to maintain proper DBL and vertical temple positioning
- The collection features two shapes with gradient lens tinting:
  - Shape GQ – 25% to 0% gray gradient
  - Shape GT – 25% to 0% rose gradient
- Tint can be duplicated using commercially available lens tints and tint sample should be sent to the lab for exact match
- If tinting and AR coating, it is advised to work with a lab who has developed processes to ensure proper end color after AR coating is applied
- Recommended lens materials are: polycarbonate, Trivex, high-index 1.60 and 1.67
- Recommended lens base curve is 5.0, although other base curves are possible
- When compressing frame parts onto lenses, best results are achieved using the blue plier tip
- When adjusting temples or bridge wrap angle, it is very important to support the lens mounting with Silhouette mounting pliers
- SPX® and titanium interface on temple should be well supported with fingers when doing pantoscopic tilt changes

For additional technical information please visit [portal.silhouette.com](http://portal.silhouette.com)

Silhouette Optical, Ltd.

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## Chassis 5523 Essence: Need to Know Items by Lab Department

### Customer Service

- Will need to know that shapes CH, CV, FK, GN, GP, GQ, GS and GT are new Silhouette shapes
- All of the shapes are available in two standard sizes
- Should be asking ECP to include proper mounting sleeves with every job

### Data Entry

- Will need to know that shapes CH, CV, FK, GN, GP, GQ, GS and GT are new Silhouette shapes
- All of the shapes are available in two standard sizes
- Frame Manager/Frame Receiving
- Will need to recognize it as a new Silhouette collection, however there are no special items that need to be addressed upon receipt

### Edging

- The shapes for Essence collection do not require special edging tools and can be done on any edger

### Drill Station / Assembly

- All drill holes for Essence are 1.4 mm
- Proper sleeve for assembly is BLS 58
- Plier tip for compression and mounting is the blue tip



### Final Inspection

- Will need to verify that hole locations are to specification
- Will need to verify proper face form of frame if Rx lenses are on a base curve of less than 5.0

### Lab Manager

- Will need to ensure that new shapes and drill holes are entered into shape library by using OMA electronic shape data or pattern tracing and drill coordinate charts

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## Chassis 5523 Essence: Lens Shapes and Sizing Information

Size	B	CH		Size	B	CV	
52	42			50	36		
54	43			52	38		
FK				GN			
52	37			53	34		
54	38			55	36		
GP				GQ			
49	45			48	39		
51	46			50	40		
GS				GT			
52	33			54	39		
54	34			56	41		

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