

PANTHERA IMPLANT BAR PROCESSING PROCEDURES



Lock 'n' Release Bar

- 1 -

The denture on the implant model after the try-in has been verified and the case has been sent to Panthera for bar manufacturing.



- 2 -

Matrix the denture using a silicone of your choice. A rigid silicone is recommended.



- 3 -

Place the bar onto the master model.



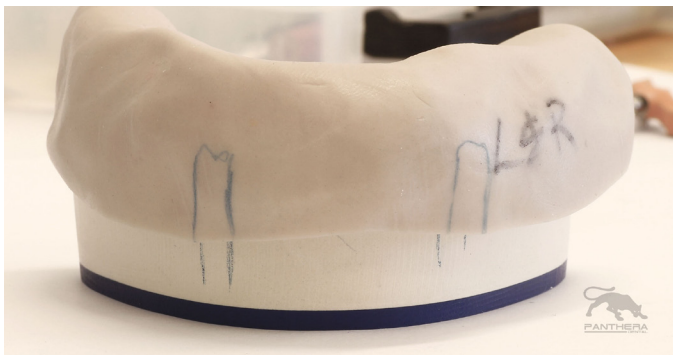
- 4 -

Mark the position of the pistons on the base of the model.



- 5 -

The markings are transferred from the model onto the matrix.



- 6 -

Remove the latches.



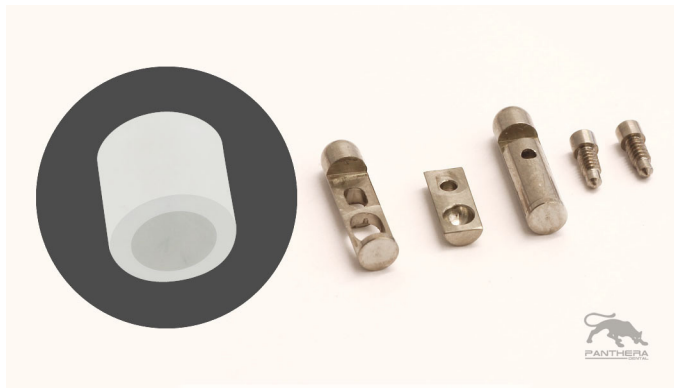
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- 7 -

Remove the all the parts, ensure the nylon cylinder is also removed.



- 8 -

Place the bar back on the master model and insert the brass processing (packing) pins to lock and seal down the bar.



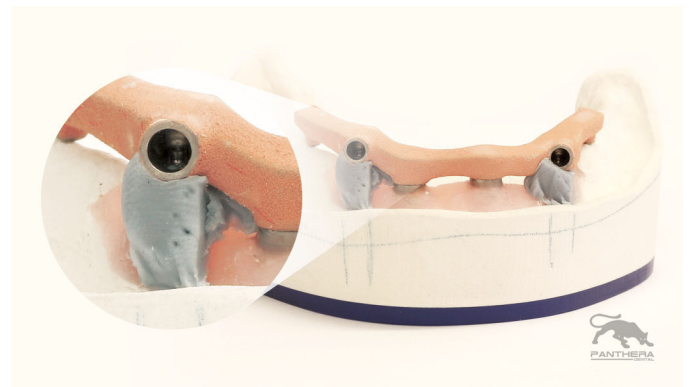
- 9 -

Cut out the silicone to expose the processing pins.



- 10 -

Block out underneath the screw access hole with silicone.



- 11 -

Using a sharp scalpel, cut back the silicone to create a neat channel underneath the screw access hole.



- 12 -

In preparation for duplicating the master model, transfer copings are placed onto the cones and balls.



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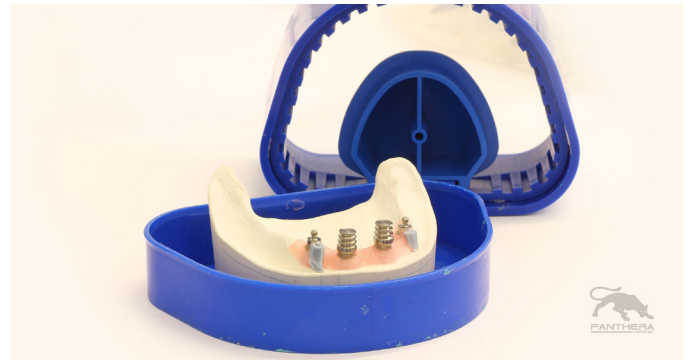
- 13 -

Paint the Gingifast with a separator to prevent the duplicating silicone from bonding to the Gingifast.



- 14 -

The master model is duplicated using silicone.



- 15 -

When the master model is removed from the silicone, the transfer copings will remain in the silicone.



- 16 -

The duplicating analogs are placed into the transfer copings.



- 17 -

Spray the silicone mould with debubbler and ensure that it is well dried before pouring up the working model. It is also imperative to let the mould rest 10 - 15 minutes before pouring up the working model.



- 18 -

The working model is complete.



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- 19 -

Place the bar onto the working model using the processing pins.



- 20 -

Position the teeth into the matrix.



- 21 -

Position the matrix with the teeth on the model over the bar.



- 22 -

Flow wax into the matrix, securing the teeth onto the bar.



- 23 -

Wax up the denture for processing. Ensure there is no wax residue on the processing pin.



- 24 -

Flask the denture ensuring the processing pins are covered. It is very important to ensure the processing pins are covered to eliminate any undercut which could cause problems in the flasking process.



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- 25 -

Deflask the denture, remove the processing pins and trim and polish the denture as normal.



- 26 -

Once the denture is trimmed and polished, replace the nylon tubes and latches with the screws.



- 27 -

Completed Lock and Release bar.

