

Veracia™ SA ANTERIOR & POSTERIOR

3 : Quick Quality Quadrant  
QPACK™



Denture  
Teeth



# History, Since 1922



1919 - Establishment of Shofu porcelain teeth research center



Wooden denture with ivory teeth



## EASTERN BEGINNINGS

A Kyoto ceramics maker, company founder Kajo Shofu III did not stop at traditional crafts. Rather, he went on to form a company that was ahead of its time in the industrial mass-production of ceramics, the development and commercialization of ceramic insulators and, eventually, the creation of Japan's first high-quality porcelain teeth in 1922.

Prosthetic teeth made of wood originated in Japan and are the world's first instance of such dentures. The oldest known set belonged to a Buddhist nun who died in 1538. Wood-based dentures were often made of boxwood. The principle of absorption caused the mucous membranes of the toothless upper jaw to retain the dentures so they would not fall out during meals. Such dentures may owe their existence to Japanese wood-carving techniques, a product of Japanese manual dexterity.

The porcelain teeth produced in France and England in the 18th century spawned many further innovations, eventually leading to the development of acrylic resin teeth and a series of other artificial teeth. Vulcanized rubber denture foundations with sulfur added for hardness were developed by the Goodyear Tire & Rubber Company and later brought to Japan. Eventually, wooden-based prosthetic teeth fell out of favor, and they were replaced following the development of resin-base and metal-base dentures.

Dentures are believed to have been used since before the time of Christ. In modern times, the French dental surgeon Pierre Fauchard, considered the inventor of full dentures in Europe, published *Le Chirurgien Dentiste* ("The Surgeon Dentist") in 1728. In the United States, John Greenwood is said to have made gold-plated dentures for U.S. President, George Washington, around 1789. Furthermore, in Britain in the 1920's a practice caught on whereby young women would have all their teeth removed and replaced with full dentures.

Today, Shofu remains the Japanese standard for artificial teeth. Teeth play a fundamental role in our ability to live healthy lives. As this awareness grows, people are becoming more focused on maintaining and restoring the functionality of their teeth.

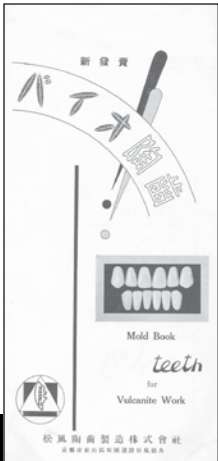
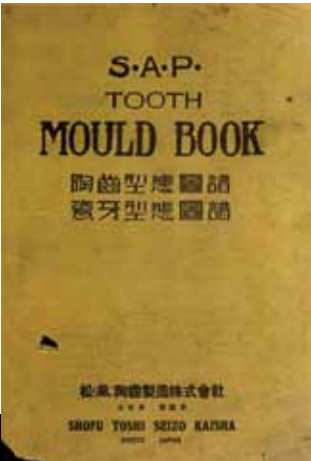


1945 - Shofu's first resin teeth



Manufacturing artificial teeth

Mould books from 1922 – 1938





# Veracia SA Pure Aesthetics, Pure Genius

## SIMPLE OCCLUSAL CONCEPT, BRILLIANTLY EXECUTED

Combining the 90 year history of Shofu in denture tooth manufacturing with research on natural tooth wear has created a new tooth line which addresses the physiological function that age based wear abrasion has on the success of dentures. By carefully preserving the functional characteristics of fully anatomical posterior teeth while creating abrasion zones in predetermined sectors, substantial benefits can be achieved including:

- enhanced chewing performance
- a stabilized denture during mastication
- easy set-up saving time
- minimal occlusal adjustments by technicians and dentists
- Veracia SA tooth line embraces all common occlusal concepts

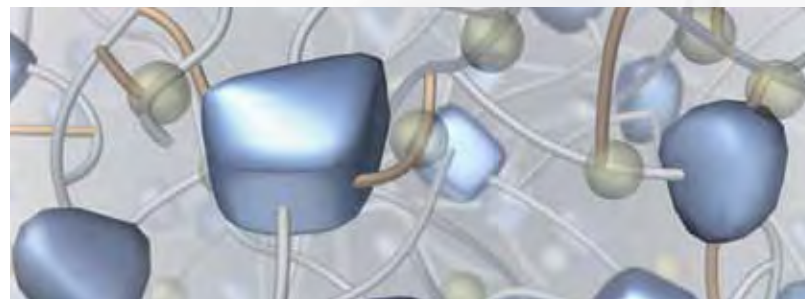
To speed set-up, Shofu has invented a revolutionary tooth placement system called the **Q<sup>3</sup> PACK**. Simply put, the Q<sup>3</sup> PACK is a tooth placement system that allows the simultaneous set-up of up to four individual posterior teeth at once, greatly improving both speed and accuracy.

The anterior moulds were developed with surface structures to reflect light, naturally tapered dental papillae space, and rounded canines to give patients a more aesthetic appearance. The multi layered teeth provide the depth of color, life-like opalescence of natural teeth, and a natural 3-D appearance.



## MF-H COMPOSITE TECHNOLOGY

Veracia SA teeth consist of MF-H (microfilled hybrid) composite, reinforced with layered glass. This homogenous structure achieves excellent physical properties and outstanding consistency.



### Organic-inorganic Complex Micro Filler

Micro filler made by hybridizing resin and micro partical silica, presents high wear resistance, hardness, and flexural strength.



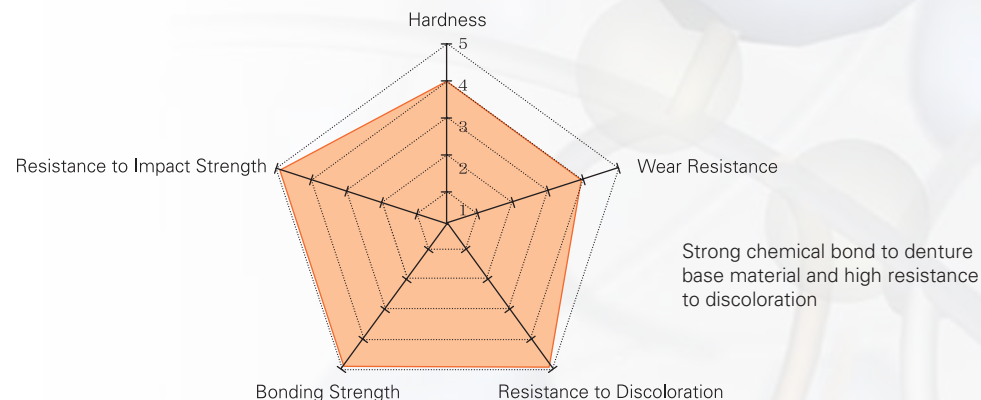
### Organic Filler (PMMA)

Consisting of acrylic components, the organic filler provides a strong bond between the enamel layer and the denture base resin, reducing the possibility of discoloration on labial cervical areas.



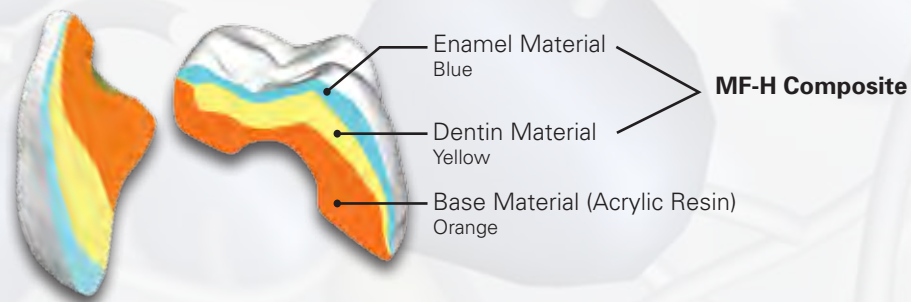
### Acrylic-urethane Component Matrix

A specially formulated matrix resin gives a high stain and discoloration resistance.



# Veracia SA Micro filled Hybrid Composite Teeth

## STRUCTURE OF LAYERS

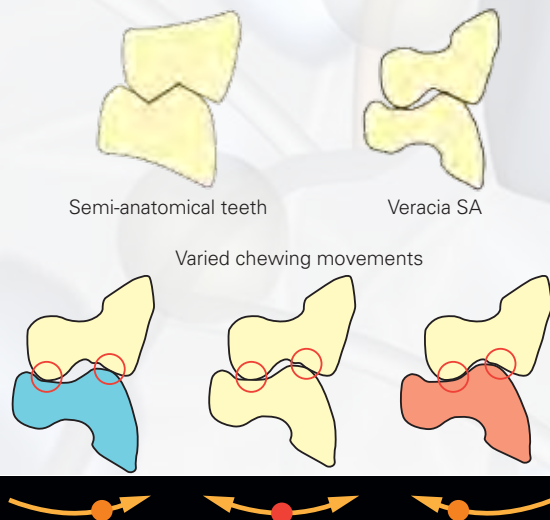


## ADVANTAGES OVER CONVENTIONAL SEMI-ANATOMICAL TEETH

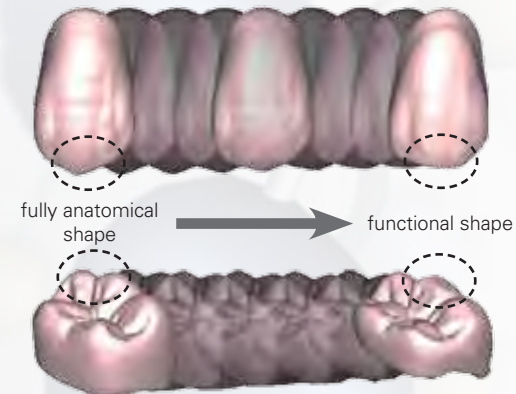
Unlike existing semi-anatomical teeth, Veracia SA teeth have adequate free intercuspatal space to aid food removal from the occlusal table during the chewing cycle.

Occlusal morphology makes it easier to achieve centric occlusion with varied movements of chewing cycles.

Veracia SA increases your efficiency during your daily fabrication of dentures. Due to the unique functional design, the set-up of the posterior teeth virtually happens by itself!



## AGE BASED & FUNCTIONAL PROSTHETICS



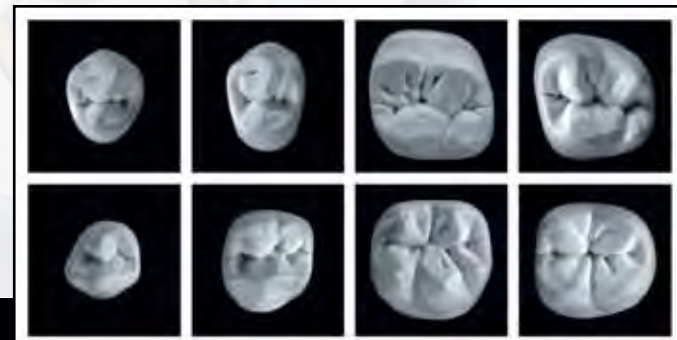
With the development of the semi-anatomical Veracia SA anterior and posterior teeth, the wear facets on the remaining natural teeth were considered for the first time.

Veracia SA development is based on the fully anatomical tooth. The functional characteristics of teeth were preserved while precisely predetermined sectors were provided with abrasion zones.

The result is a substantially improved chewing performance, a pleasant wear comfort of the stabilized denture and a substantially lower level of stress on the TMJ.

Deep occlusal fissures combined with grinding facets for specific movements provide simple and unmistakable alignment during the set-up along, with a more effective chewing performance of the finished denture.

The wear of Veracia SA semi-anatomical upper and lower posterior teeth



# Choose Balanced or Lingualized

## UNIQUE OCCLUSAL SURFACE DESIGN WITH PHYSIOLOGICAL SPACES

The occlusal surfaces of Veracia SA were systematically augmented by concave spaces in the functional direction of the lower jaw movement. The centric stops of fully anatomical posterior teeth were left and corresponding spaces were added directly aside.

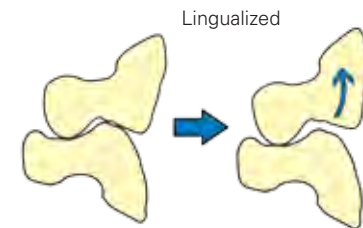
This special feature provides the ideal initial situation for a balanced or lingualized occlusion thus making grinding corrections after set-up virtually unnecessary.

Beyond this, these spaces make it easy for patients to find static occlusion so that lateral shear forces are kept to a minimum.

## SET-UP FOR ALL COMMON OCCLUSION CONCEPTS

With Veracia SA, you are not bound to any occlusion concept. The posterior teeth can be easily and precisely set up antagonistically due to the clear occlusal structure, the effective centric occlusion and the systematically included spaces.

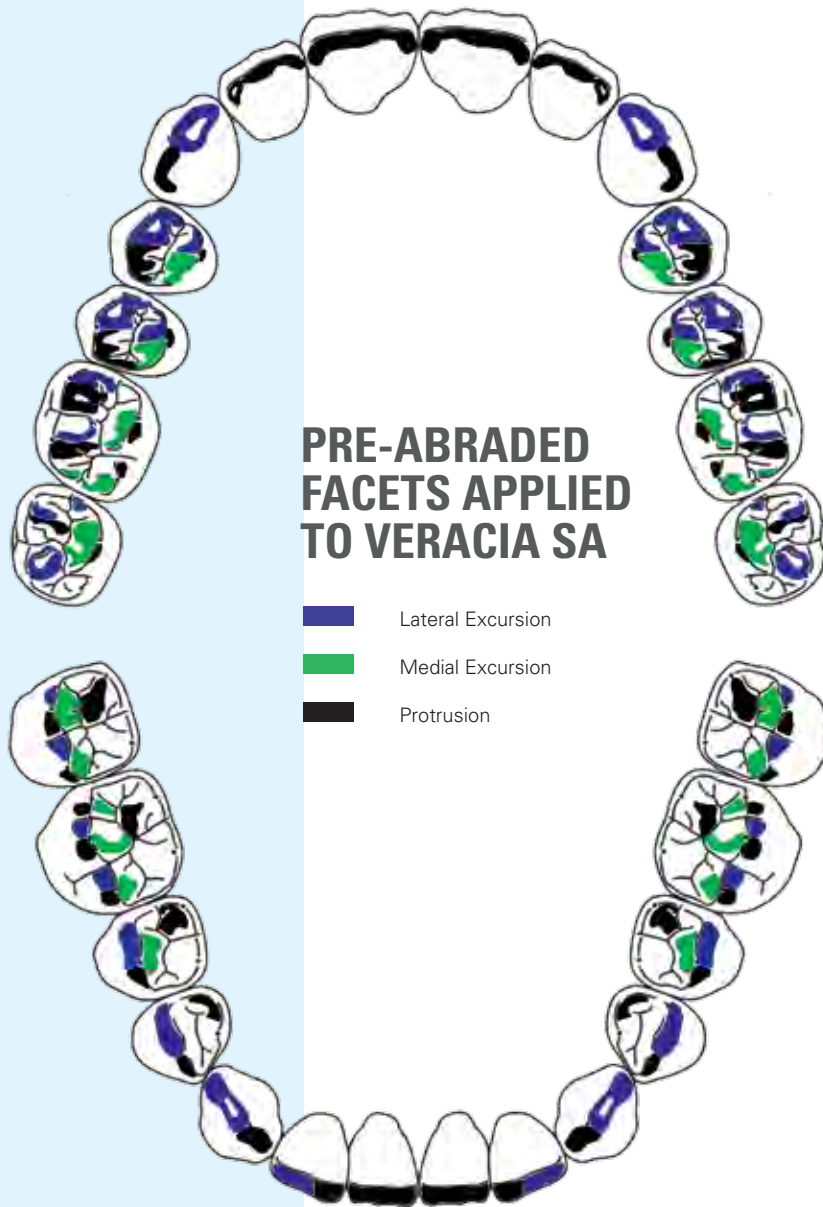
- Balanced occlusion
- Lingualized occlusion
- Tooth-to-tooth occlusion
- Tooth-to-two-teeth occlusion



Balanced Side

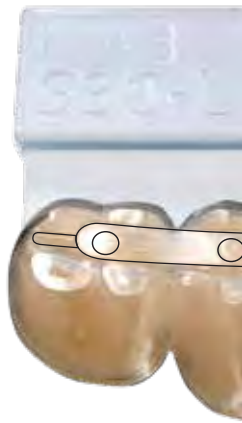
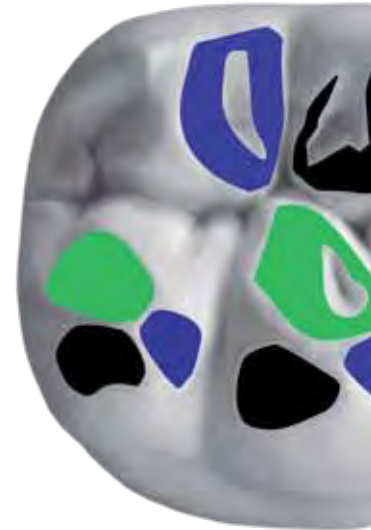


Working Side



### PRE-ABRADED FACETS APPLIED TO VERACIA SA

- Lateral Excursion
- Medial Excursion
- Protrusion





# Q<sup>3</sup> PACK (Quick Quality Quadrant)

## EXCELLENT AESTHETICS AND FUNCTION WITH CONSIDERABLE TIME-SAVINGS

The physiological design of Veracia SA posterior teeth enabled the development of a unique patented wax-free assortment holder with an integrated set-up support – the Q<sup>3</sup> PACK.

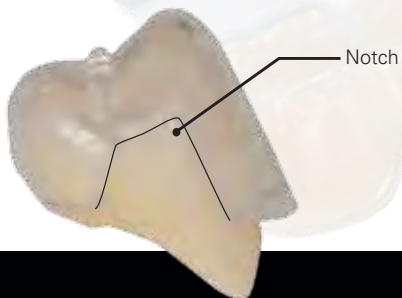
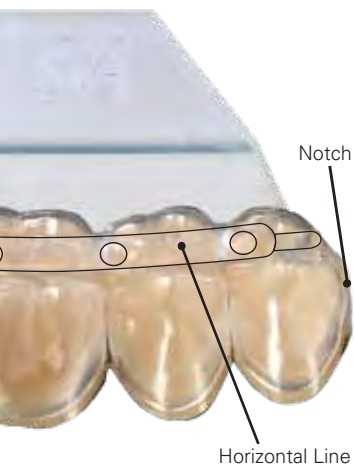
Q<sup>3</sup> PACK reduces the setup time of eight Veracia SA posterior teeth to a few minutes. Time-consuming preparations or complex equipment are not necessary.

Q<sup>3</sup> PACK is precise and provides the correct contact relation for Veracia SA posterior teeth. Functional grinding corrections are kept to a minimum.

The visible horizontal line on the Q<sup>3</sup> PACK lines up the teeth over the alveolar ridge. This line is placed to intersect distally the center of the retromolar pad and mesially the center of the set cuspid tooth. The Q<sup>3</sup> PACK has a unique **notch** to further aid the placement next to the cuspid. The Q<sup>3</sup> PACK has a built in Curve of Spee.

Once both sides of lower posterior teeth are set up, aligning the Q<sup>3</sup> PACK tabs horizontally provides a built-in occlusal template, saving set up time.

Q<sup>3</sup> PACK contains single posterior teeth, allowing individual adjustments.



## A FUNCTIONAL SET-UP IN 3 STEPS



The anterior teeth set-up and the wax walls are prepared as usual. Place the mesial **notch** of Q<sup>3</sup> PACK on the canine tooth and align it distally to the alveolar line.



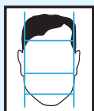
Then check the correct position of the grips in horizontal alignment with the chewing level and wax the teeth in firmly.



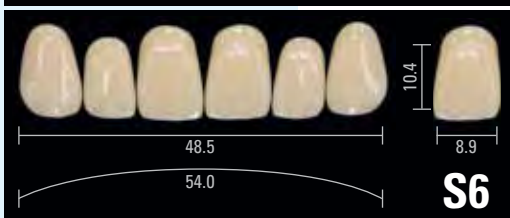
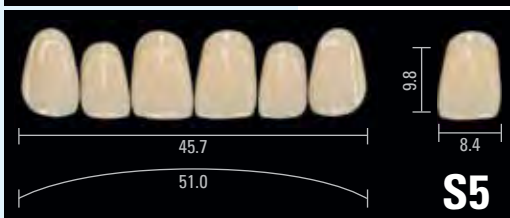
A little bit of pressure on the grip releases the set-up. Finally, close the interdental spaces with wax.



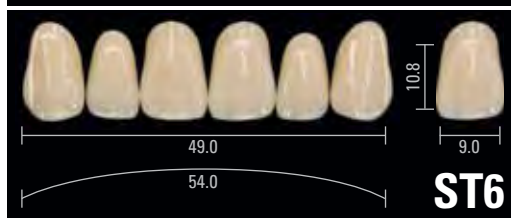
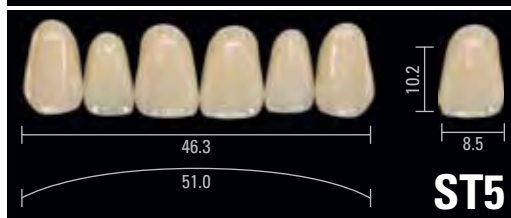
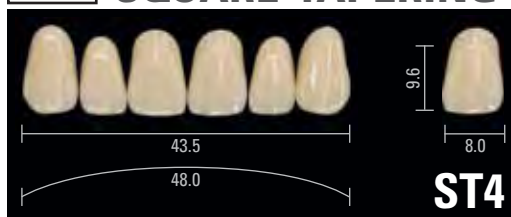
# Anteriors



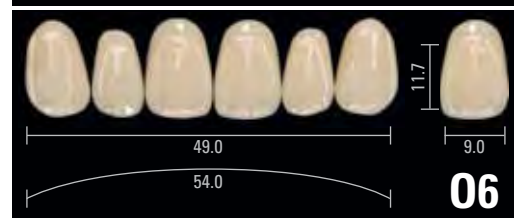
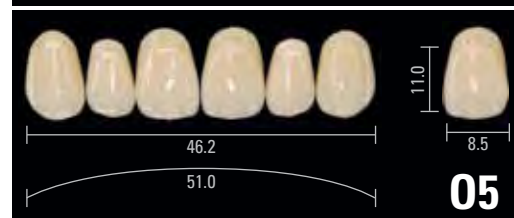
## SQUARE



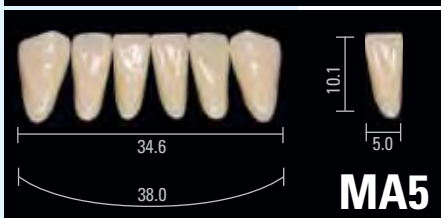
## SQUARE-TAPERING



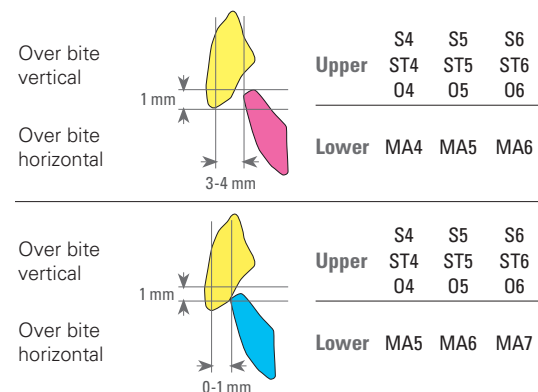
## OVOID



## MATURE ANATOMY



## RECOMMENDATIONS FOR UPPER & LOWER ANTERIOR TEETH





# 20° Posterior & Q<sup>3</sup> PACK



## THE NEW WAY TO SET UP TEETH!

**With Q<sup>3</sup> PACK you immediately save valuable time when setting up dentures.**

**Simple** - No complex equipment

**Efficient** - Wax-free assortment

**Fast** - No time-consuming preparations

**Precise** - Always correct contact relationships

**Independent** - Useable with any articulator system

The anterior and posterior teeth are available in the following VITA\* Classical colors:

**A1, A2, A3, A3.5, A4, B2, B3, B4, C2, C3, D2, D3**

Q<sup>3</sup> PACK is available in: **A1, A2, A3, A3.5, B2, C2, D2**

## WHY VERACIA SA?

- Age based and functional teeth
- Not bound to any occlusion concept
- Saves you set-up time
- Fast centric occlusion
- High level of user reliability
- Efficient fabrication in the dental laboratory
- Consistant quality of set-ups



# ANTERIOR/POSTERIOR/Q<sup>3</sup> PACK MOULD COMBINATION CHART

First select the upper anterior mould form, then reading across the chart from left to right combine the suggested corresponding lower anterior mould and the appropriate posterior mould for accurate articulation.

The lower anterior combinations have been designed to facilitate various clinical overbite situations.

	Upper Anterior Moulds	Lower Anterior Moulds	Posterior Moulds/Q <sup>3</sup>
<b>SQUARE</b> 	S4	MA4 / MA5	S30 / S28
	S5	MA5 / MA6	S32 / S30
	S6	MA6 / MA7	S32 / S34
<b>SQUARE-TAPERING</b> 	ST4	MA4 / MA5	S30 / S28
	ST5	MA5 / MA6	S32 / S30
	ST6	MA6 / MA7	S32 / S34
<b>OVOID</b> 	O4	MA4 / MA5	S30 / S28
	O5	MA5 / MA6	S32 / S30
	O6	MA6 / MA7	S32 / S34

## SO SIMPLE, IT'S GENIUS!

The Veracia SA line of semi-anatomical teeth are exceptional in quality and beauty and can be used for all common occlusal schemes. The Q<sup>3</sup> PACK affords greater productivity in the lab by allowing the technician to simultaneously set four posterior teeth on each side with precision and correct contact relation. Easy to set up, beautiful esthetics and highly durable! Veracia SA is an excellent product for any laboratory.

Jim Collis, CDT  
Collis Prosthodontic Lab  
Chicago, IL  
[www.collislab.com](http://www.collislab.com)



### Veracia SA AP FULL SET / MOULD GUIDE

13 anterior teeth sets (9 upper jaw / 4 lower jaw)  
6 posterior teeth sets  
(S30, S32, S34: 3 upper jaw / 3 lower jaw)  
A2 (PN FSA2) A3 (PN FSA3)

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**SHOFU INC.** 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983, Japan ([www.shofu.co.jp](http://www.shofu.co.jp))  
**SHOFU INC. Singapore Branch** 10 Science Park Road, #03-12 The Alpha, Science Park II, Singapore 117684 ([www.shofu.com.sg](http://www.shofu.com.sg))  
**SHOFU DENTAL TRADING (SHANGHAI) CO., LTD.** No. 645 Jiye Road, Sheshan Industrial Park, Songjiang, Shanghai 201602, China ([www.shofu.com.cn](http://www.shofu.com.cn))  
**SHOFU DENTAL CORPORATION** 1225 Stone Drive, San Marcos, CA 92078-4059, USA ([www.shofu.com](http://www.shofu.com))  
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**SHOFU DENTAL GmbH** [EC REP] Am Brüll 17, 40878 Ratingen, Germany ([www.shofu.de](http://www.shofu.de))  
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