

**STRATOS**<sup>®</sup>  
ARTICULATORS

STRATOS<sup>®</sup>



PRECISION  
FUNCTION  
DESIGN

# TRIED-AND-TESTED DESIGN – NEW<sup>®</sup> TECHNOLOGY

# STRATOS

The name Stratos stands for precision articulators with convincing quality and ergonomic design. Ivoclar Vivadent offers a range of articulators which are the result of consistent further development and exact coordination with customer requirements. They come with a comprehensive assortment of accessories.

## STRATOS 100

The **AVERAGE-VALUE** articulator



The average-value articulator for easy and exact tooth set-up in removable denture prosthetics.

## STRATOS 200

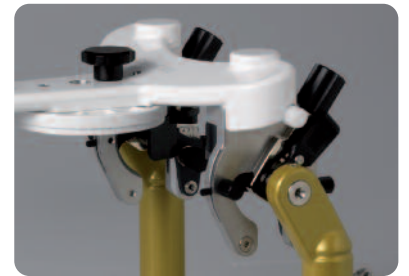
The **SEMI-ADJUSTABLE** articulator



The semi-adjustable articulator for universal application in the field of fixed and removable denture prosthetics.

## STRATOS 300

The **INDIVIDUAL** articulator

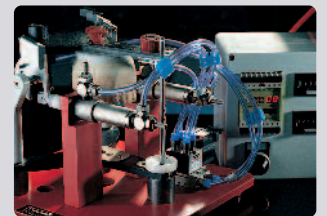


The individual articulator for functional simulations in conjunction with the high-quality crown and bridge technique.

The special design with bent incline supports provides optimum space and accessibility to the work area. With various accessories, the articulators can be individually extended and used very economically.



Picture library Dusseldorf, Germany



### Scientific

The Stratos combines the expertise of renowned universities, dentists and dental technicians. Various studies resulted in important findings that were subsequently incorporated into the articulator.

### Functional

The latest construction methods (CAD) were used for the development of the Stratos. With the help of numerous computer simulations, the handling properties and function were further optimized.

### Precise

State-of-the-art production methods (CAM) and consistent quality inspections by means of precise 3D measuring devices during and after manufacturing ensure the precision of the Stratos.

### Tried-and-tested

Intensive durability tests (15,000 movement cycles) with the help of specially developed test appliances document the quality and durability of the Stratos.

# CLINICALLY AND TECHNICALLY CONVINCING STRATOS®

## Stylish presentation

The Stratos is the optimum basis for high-quality prosthetic restorations. With this state-of-the-art articulator, even the most complex functional movement patterns can be exactly simulated and reproduced.

The white powder-coating of the components conveys clinical cleanness and hygiene. The modern silver and gold colours of the incline supports break up the formality and support the image of a high-quality articulator. Moreover, the three articulator types can be easily distinguished.

With the assortment of Stratos articulators, you will be able to present your work to patients with delight and in style.

## DENTISTRY



## Individual extension

No matter if you need a simple average-value articulator for your daily work or a semi-adjustable or individual articulator with numerous possibilities: Ivoclar Vivadent offers the device to suit your needs.

The timeless, ergonomic design gives the Stratos its unique character. The proven construction with bent incline supports is a distinguishing feature of the articulator and creates room for best possible freedom of movement in the work area.

Make the Stratos your individual articulator with the help of the wide range of accessories. Its user-friendliness, economic efficiency and precision will fill you with enthusiasm.

## DENTAL LAB TECHNOLOGY



# STRATOS 100

## THE AVERAGE-VALUE ARTICULATOR

The Stratos 100 is a simple average-value articulator with very convenient handling. Ivoclar Vivadent teeth can be set-up easily and quickly in conjunction with the setting-up template.

### Indication:

Removable denture prosthetics, BPS System

### Accessories

The system can be individually extended with practice-oriented, well thought-out accessories.

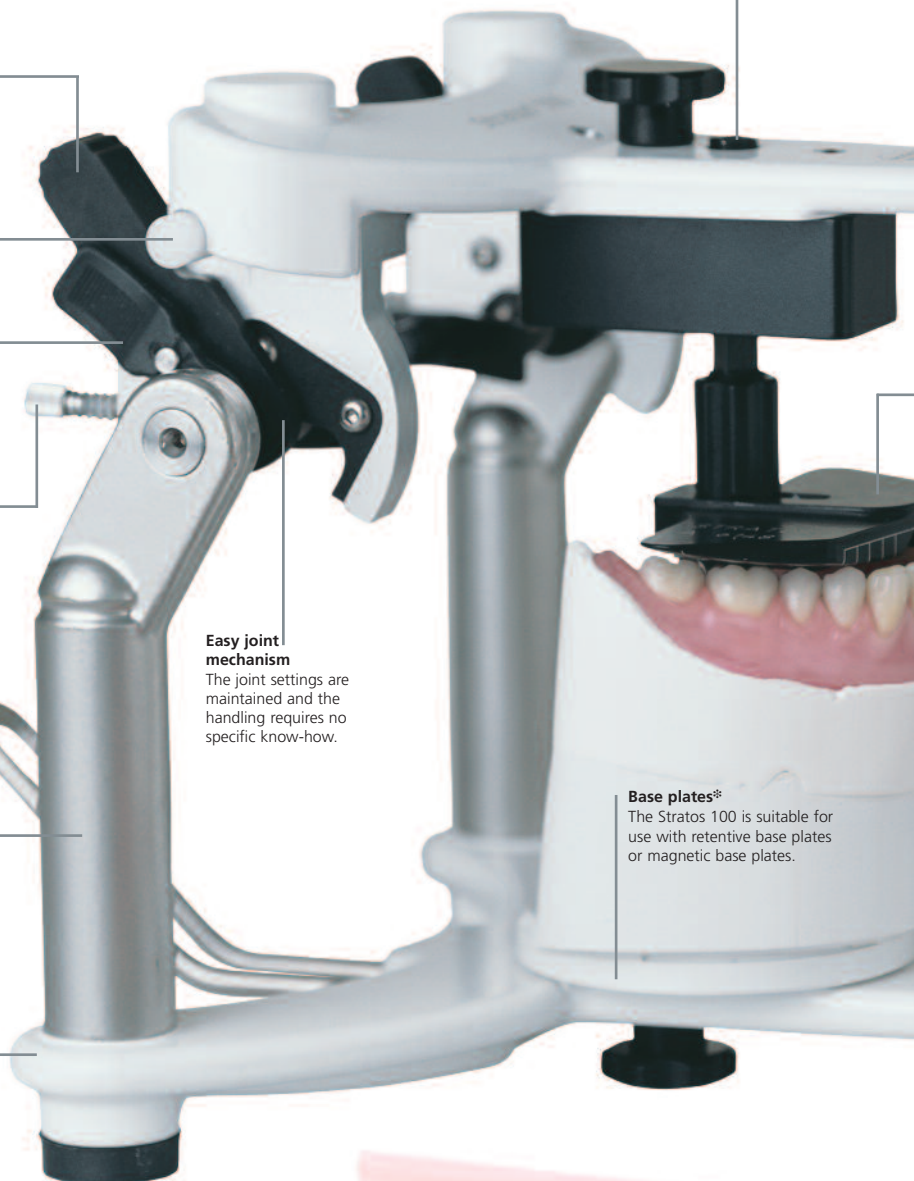
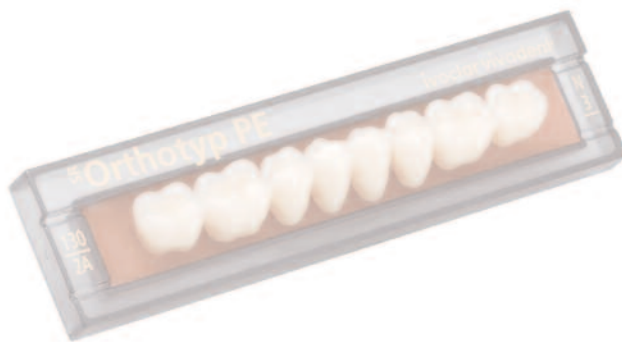
- **Centric locking catch**  
The centric locking catch can be applied precisely and quickly during the working procedure.
- ■ **Opening stop**  
This device prevents the upper frame from tilting forward and creates an optimum working position with the articulator open.
- ■ ■ **Practical separation**  
The upper and lower frame can be easily separated by loosening the centric locking catch and removing the centric rubber band.
- ■ ■ **Protrusion screw**  
This screw enables a centric shift in a protrusive direction.
- ■ ■ ■ **45° incline support holder**  
This component enables a stable inclined position of the articulator.
- ■ ■ ■ **Space**  
The spacious construction facilitates working and provides optimum access to the model.
- ■ ■ ■ **Resin coating**  
The surfaces of the articulator can be cleaned quickly and easily.

### Easy joint mechanism

The joint settings are maintained and the handling requires no specific know-how.

### Base plates\*

The Stratos 100 is suitable for use with retentive base plates or magnetic base plates.





# SIMPLE PRACTICAL UNCOMPLICATED



## THE HIGHLIGHTS

### ■ Centric locking catch



### ■ ■ 120° opening stop



### ■ ■ ■ Protrusion screw



### ■ ■ ■ ■ 45° incline support holder



\* not included as standard



# STRATOS 200

## THE SEMI-ADJUSTABLE ARTICULATOR

The Stratos 200 is a semi-adjustable articulator with various setting options due to exchangeable joint inserts. It has been especially designed for use in fixed and removable denture prosthetics.

### Indication:

Removable denture prosthetics,  
BPS System, fixed crowns and bridges

#### Opening stop

This device prevents the upper frame from tilting forward and creates an optimum working position with the articulator open.

#### Centric locking catch

The centric locking catch can be applied precisely and quickly during the working procedure.

#### Practical separation

By loosening the centric fixation screw, the upper and lower frames of the Stratos 200 may easily be separated and re-fixed.

#### Protrusion screw

This screw enables a centric shift in a protrusive direction.

#### Side-shift movement

The ISS screw of the Stratos 200 permits an immediate side-shift movement of 0 - 1.5mm.

#### 45° incline support holder

This component enables a stable inclined position of the articulator.

#### Incline supports

These incline supports provide ample space when working on the models and permit ergonomic handling of the articulator.

#### Exchangeable joint inserts

With the exchangeable joint inserts, the protrusion and Bennett angles can be individually adjusted in the Stratos 200.

#### Retrusion

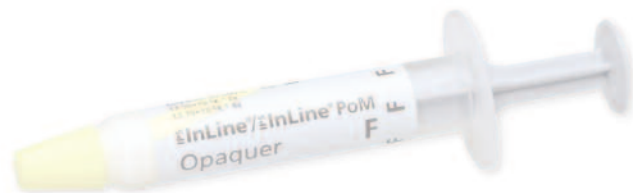
With the Stratos 200, a retrusive movement of 35° can be executed.

#### Splitcast systems\*

The Stratos 200 can be coordinated with other articulators due to its compatibility with Splitcast systems.

#### Base plates

The Stratos 200 is suitable for use with retentive base plates or magnetic base plates.



# VERSATILE PRACTICAL UNIVERSAL

## Accessories

The system can be individually extended with practice-oriented, well thought-out accessories.



### Incisal guide rod

The height of the rod can be adjusted and it features millimetre markings and an initial set position.

### Incisal plate\*

It is exchangeable and is available as 0°, 15°, 30° and individual plate.

### Connection

For CP and FH registration joint holders.

## THE HIGHLIGHTS

### Exchangeable joint inserts



### Centric locking catch



### Protrusion screw



### Side-shift setting



\* not included as standard



# STRATOS 300

## THE INDIVIDUAL ARTICULATOR

The Stratos 300 is a state-of-the-art precision articulator with individual setting options. With its wealth of possible variations, it represents the optimum basis for exact functional simulations for demanding, high-quality dentures.

### Indication:

Removable denture prosthetics, BPS System, fixed crowns and bridges, implant-supported dentures, functional diagnostics



**Centric locking catch**  
The centric locking catch can be applied precisely and quickly during the working procedure.

**Opening stop**  
This device prevents the upper frame from tilting forward and creates an optimum working position with the articulator open.

**Practical separation**  
The upper and lower frame can be easily separated by loosening the centric locking catch and removing the centric rubber band.

**Retrusion**  
The Stratos 300 permits a 35° retrusive movement. Additionally, a distance of 0 - 2 mm can be set.

**Protrusive shift**  
This screw enables a centric shift of up to 4 mm in a protrusive direction.

**Notch for rubber band**  
This notch marks the occlusal plane.

**45° incline support holder**  
This component enables a stable inclined position of the articulator.

**Resin coating**  
The surfaces of the articulator can be cleaned quickly and easily.

**Bennett angle setting**  
This appliance enables individual setting of the Bennett angle from 0° to 30°.

**Accessories**  
With the practice-oriented, well thought-out accessories, the handling is very efficient and meets individual demands.

**Protrusion angle setting**  
This device enables individual settings from 0° to 60°.

**Side-shift setting**  
The ISS screw of the Stratos 300 enables an immediate side-shift of 0 - 1.5 mm.

**Base plates**  
The Stratos 300 is suitable for use with retentive base plates or magnetic base plates.



# HIGH-QUALITY

# VERSATILE

# FLEXIBLE



**Incisal guide rod**

The height of the rod can be adjusted and it features millimeter markings and an initial set position.

**Incisal plate\***

It is exchangeable and is available as 0°, 15°, 30° and individual plate.

**Connection**

For CP and FH registration joint holders.

## THE HIGHLIGHTS

■ **Bennett angle setting**



■ ■ **Centric locking catch**



■ ■ ■ **Protrusive shift**



■ ■ ■ ■ **120° opening stop**



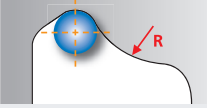
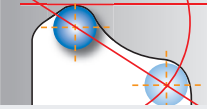
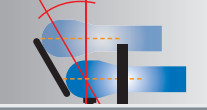
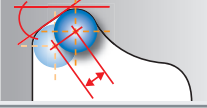
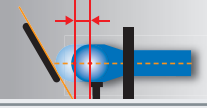
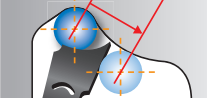
■ ■ ■ ■ ■ **Side-shift setting**



\* not included as standard

# STRATOS®

## COMPARISON OF THE STRATOS 100, STRATOS 200 AND STRATOS 300 JOINTS

		Stratos 100	Stratos 200	Stratos 300
Condylar path curvature		Radius 12.5	Radius 12.5	Radius 12.5
Protrusive movement		30°, fixed	30°, [15°, 20°, 25°, 35°, 40°, 45°, 60°]*	0 - 60°, adjustable
Bennett movement		15° / 30°, fixed	15° / 30°, fixed	0 - 30°, adjustable
Retrusive movement		35°	35°	35° / 0 - 2 mm, adjustable
Side-shift setting		-	0 - 1.5 mm, adjustable	0 - 1.5 mm, adjustable
Protrusive centric shift		0 - 4 mm, adjustable	0 - 4 mm, adjustable	0 - 4 mm, adjustable

\*Protrusion inserts are available individually or as part of the "Personalized" Accessories Assortment.

## UTS 3D TRANSFERBOW

The Universal Transferbow System (UTS) is very efficient, economic and precise. In less than three minutes, an experienced user is able to transfer the arbitrary position of a patient's maxilla into the Stratos.



Indirect method



Direct method



## ARTICULATOR PROGRAMMING

For the registration and determination of individual patient parameters regarding articulator programming, we recommend several different electronic jaw movement measuring systems, which support the Stratos articulators.

Further information is available at [www.ivoclarvivadent.com](http://www.ivoclarvivadent.com)

# STANDARD ACCESSORIES

## "Average" Accessories Assortment



**a) Instrument carrier**  
With this device, the horizontal guide, set-up table, 2D setting-up template, and bite fork support can be attached.

**b) Horizontal guide**  
For the orientation of dentulous and edentulous models according to the Bonwill triangle.

**c) 2D setting-up template**  
For correct tooth set-up during average-value orientation, taking the Spee and Wilson curves into account.

**d) Set-up table**  
For easy, average-value orientation of dentulous models according to the Bonwill triangle.

## "Personalized" Accessories Assortment



**e) Plane indicator**  
Indicates the reference plane during personalized model orientation in the Stratos.

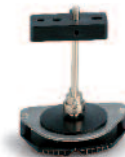
**f) Bite fork support**  
Supports the bite fork of the transferbow and prevents it from lowering during model orientation in the Stratos.

**g) CP registration joint holder**  
The registration joint is sufficient for model orientation in the Stratos. In this way, dentists no longer have to send the complete transferbow to the laboratories.

**h) Incisal plates**  
15°, 30°, 0° and individual plate

**i) Assortment of joint inserts**  
Protrusion inserts: 15°, 20°, 25°, 35°, 40°, 45°, 60°  
Bennett inserts: 15°

## Various Accessories



**3D setting-up template**  
For correct tooth set-up of personalized models in conjunction with the transferbow taking the Spee and Wilson curves into account.



**Trio setting-up template**  
For correct tooth set-up of average-valued models, using the Trio tooth line.



**FH registration joint holder**  
For the transfer of the UTS registration according to the Frankfurt Horizontal (FH).



**Base blocks**  
Retentive base block with plaster protection.



**Magnetic base block with block former**



**Adjustable support pins (Type II)**  
For direct connection of the UTS 3D to the Stratos.



**Centric rubber band set**  
These centric rubber bands can be used for the Stratos 100, 200, and 300.

# STRATOS®

## ARTICULATORS

### DELIVERY FORMS



#### Stratos 100

- 1 Stratos 100 basic articulator
- 1 Incline support holder
- 1 Plaster protection
- 1 Base block (retentive)
- 1 Incisal indicator
- 1 Incisal plate 0°



#### Stratos 200

- 1 Stratos 200 basic articulator
- 1 Incline support holder
- 1 Plaster protection
- 1 Base block (retentive)
- 1 Incisal indicator
- 2 Protrusion inserts 30°
- 1 Incisal plate 0°



#### Stratos 300

- 1 Stratos 300 basic articulator
- 1 Incline support holder
- 1 Plaster protection
- 1 Base block (retentive)
- 1 Incisal indicator
- 1 Incisal plate 0°

### Literature

Ivoclar Report Nr. 9  
Stratos 200 – Neue Möglichkeiten im Bereich der biofunktionalen Prothetik (Grünenfelder R.)

Ivoclar Handbook of complete denture prosthetics (Schaffner T.)

Dental Labor 42 (1439-1446)  
Experimentelle Untersuchung zur Zentrikgenauigkeit des Stratos 200 (Körper S., Körper K.H.)

Deutsche Zahnärztliche Zeitung 50 (478-480)  
Computerunterstützte individuelle Artikulatorjustierung (Hugger A., Klett R., Stüttgen U.)

Dissertation Universität Strasbourg  
L'articulateur biofonctionnel. Le Stratos 200 (Kraus C.)

dental spectrum  
Ein neuer Ansatz in der abnehmbaren Prothetik (Hüe O., Mariani P.)

Rheinisches Zahnärzteblatt 4/95 (8-11)  
Artikulatortechnik mit individuell gefrästen Bewegungssteuerungen im Zeichen der Computertechnologie (Hugger A.)

Neuer Merkur Verlag  
BPS Totalprothese  
Mit System zum Ziel (Fiedler K.)

### Courses and workshops

The ICDE (International Center for Dental Education) of Ivoclar Vivadent continuously offers courses and workshops, in which the various Stratos types are used.

