

ARTEX SYSTEM - THE PERFECT COMMUNICATION BETWEEN DENTIST, DENTAL TECHNICIAN AND THE PATIENT

For maximum accuracy of fit for well-functioning dentures, working with an articulator is essential. The Artex system is renowned worldwide as being fully functional and reliable, and for dentists and dental technicians alike it is an effective aid in recording static jaw relationships and simulating jaw movements.

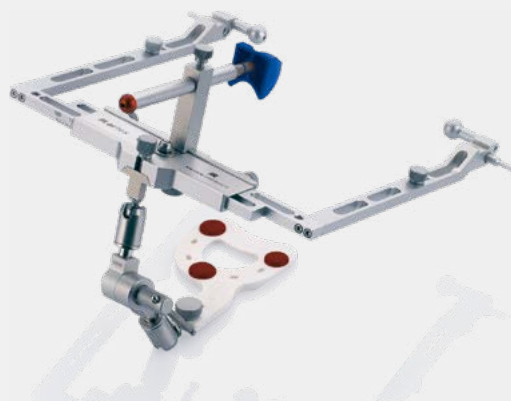
For the best possible link-up between dentist and dental technician. For the ultimate in reliability and accuracy. For perfect service to the patient.



ARTICULATION SYSTEM COMPONENTS

artex[®] facebow

Determining the cranium/axis-related position of the maxilla



zebris FOR ceramill[®]

Digital face bow for fast data processing and reduction of manual reworking



artex[®]

Model management articulator and mastication simulator



splitex[®]

Interchangeability of Artex articulators



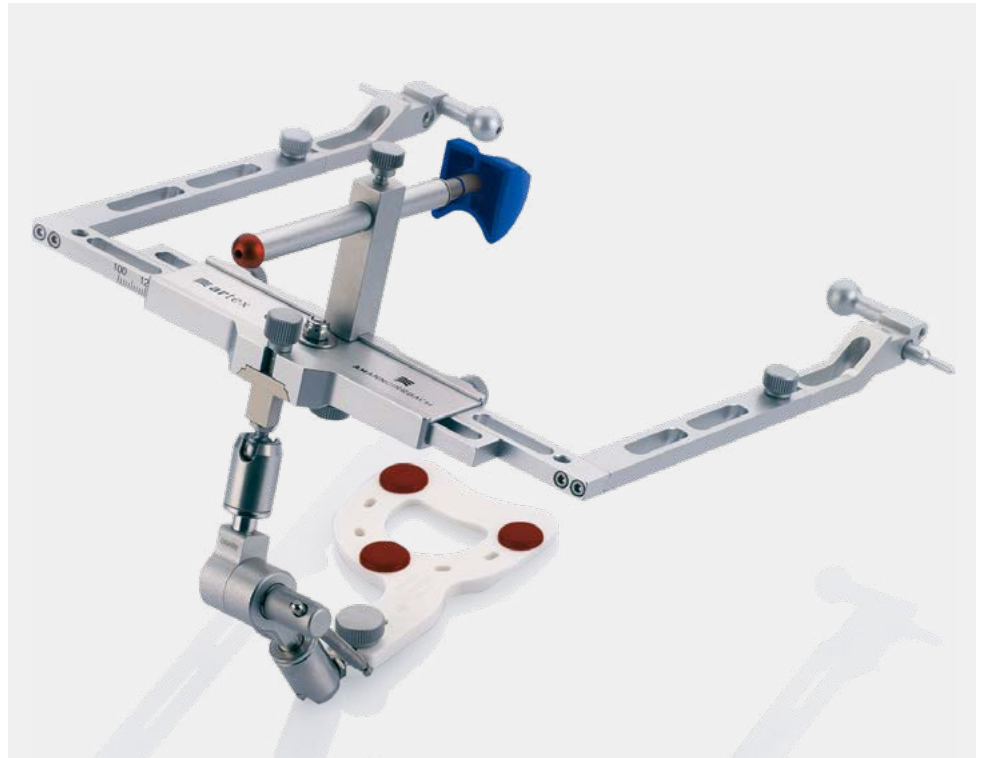
artex[®] anterior guide

Ensures correct anterior teeth function

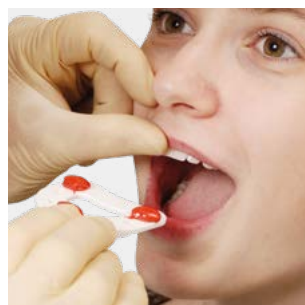


ANATOMICALLY CORRECT FIXATION OF THE CRANIAL-AXIS RELATIONSHIP IN JUST 2 MINUTES

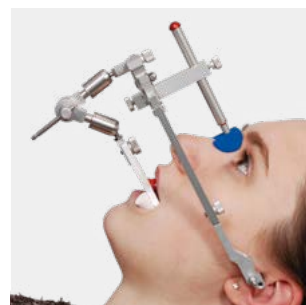
Artex facebow, transfer jig and articulator form a single communication unit. Dentists determine the cranium-axis position of the maxilla using the Artex facebow. This anatomically important parameter is quickly and precisely fixed in position on the transfer jig. This secures it for transport from the practice to the laboratory where the models are mounted patient analogous in the Artex articulator.



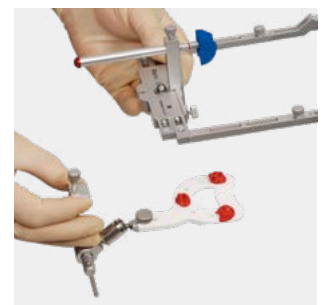
- _Cranium-axis oriented transfer of maxillary model to the articulator transfers the real jaw position precisely to the articulator and consequently reduces grinding time at the chairside**
- _Reliable reproducibility of arbitrary axis position using cushioned Leipzig Nasion**
- _Cranium/axis relation determined in corresponding to the patient's anatomy in just two minutes**
- _Quick and secure the 3-D universal joint**



Bite fork insertion



Face bow attached to the patient



Removing joint support with bite fork record from the face bow

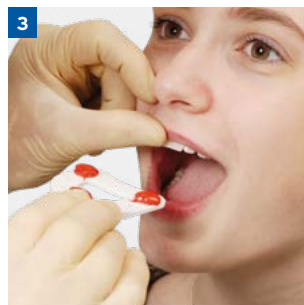
THE ARTEX FACEBOW - THE BETTER WAY TO OBTAIN AN ANATOMICALLY CORRECT REGISTRATION OF THE PATIENT'S CRANIUM/AXIS RELATIONSHIP



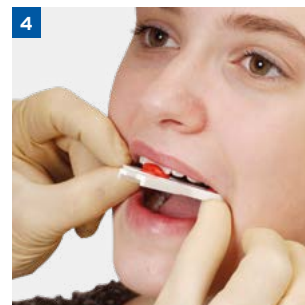
1
Preparation of the facebow:
The nasion bar is secured in a rear position. Joint support inserted with its vertical position fixed by a wing screw



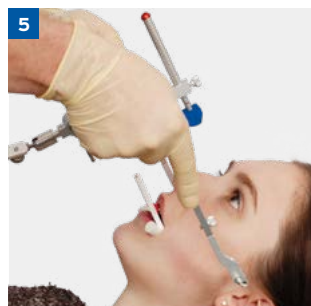
2
Prepare the bite fork in a double-boiler



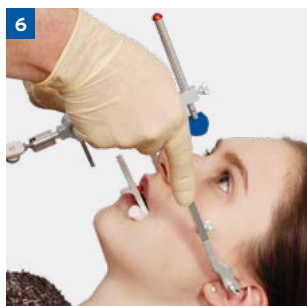
3
Introduce the bite fork into the patient's mouth



4
Position the bite fork at the dental arch of the upper jaw



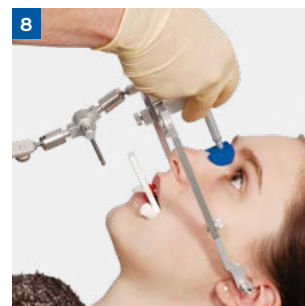
5
Move the Artex facebow close to the patient's face



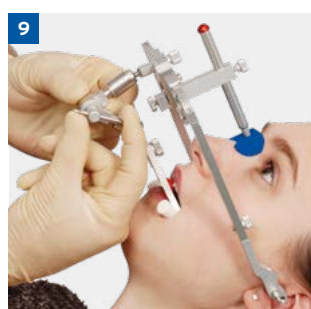
6
Introduce the ear tips into the external auditory meatus while sliding the sides of the facebow together and fix them in position by tightening the locking screw



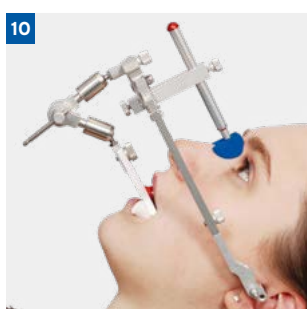
7
Place the nasion adapter on the glabella by applying gentle thumb pressure till the marker on the nasion bar is reached. Patient is lying down



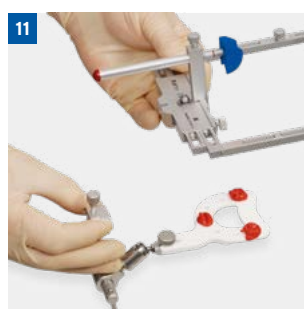
8
Fix the nasion bar by tightening the screw on the bar with your free hand



9
Move the joint support up to the bite fork and tighten the wing screw, thus securing the position of the upper jaw



10
It takes only 2 minutes to apply the facebow



11
Remove the facebow and detach the joint support together with the bite fork registration

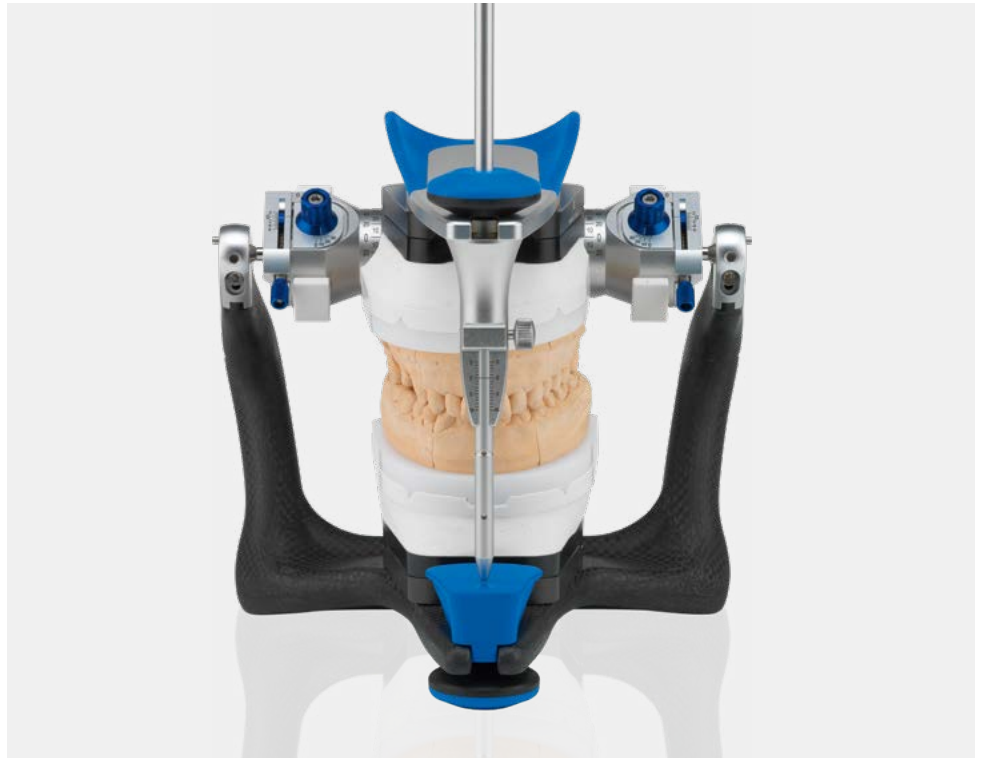


12
Fix the bite fork registration on a plaster bed on the transfer table for safe transport of the secured upper jaw position to the dental lab

SENSITIVE EXCURSION SIMULATORS - PRECISE, STABLE AND PROVEN IN 1000S OF APPLICATIONS

What the dental technician fabricates in the articulator must function intraorally. Artex articulators provide a highly precise option for accurately reproducing excursion patterns of patient receptors. Their light, stable design simplifies and accelerates work on the model while also reducing work on the patient and significantly increasing patient comfort.

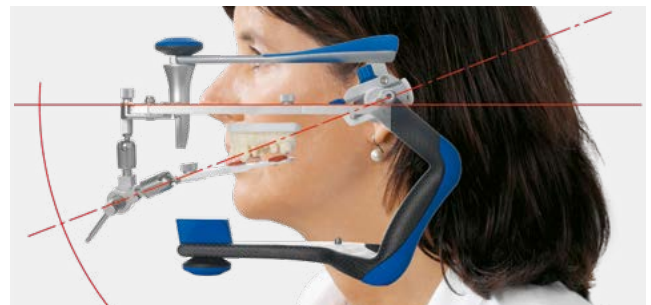
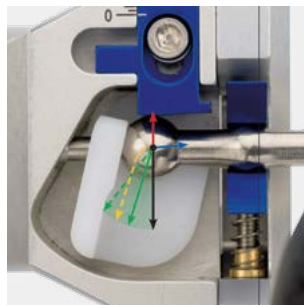
Their reliable precision, flexibility and simple, ergonomic handling make Artex articulators one of the most commonly used mastication simulators in the world.



- _Integrated magnetic mounting plate system**
- _Interior height 126 mm - large working area, provides plenty of space for mounting models**
- _Bonwill triangle with 110 mm lateral length - formed from intercondylar distance and incisal point**
- _Average marking of the occlusal plane**
- _Scaled, adjustable incisal guidance pin (-5 mm to +10 mm)**
- _Support pin for opened upper member of the Artex articulator**
- _Light and stable thanks to carbon design (CN, CT, CPR, CR)**

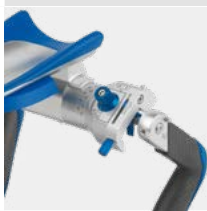






The reproducible centric guarantees a reliable start and end position of each excursion. Interferences less than 20 µm can be identified, checked and removed



Facebow and Artex articulators - the communication unit for patient-analogue restorations

ALL ARTEX ARTICULATORS AT ONE SIGHT

	Arcon-Design		Non Arcon-Design		
Technical Data Chart	Artex CR	Artex CPR	Artex CT	Artex CN	Artex BN
					
SCI (Sagittal condylar inclination)	-20° to +60°	-20° to +60°	-15° to +60°	35°	35°
Bennett-angle (HCI)	-5° to +30°	-5° to +30°	0° to +20°	15°	15°
Protrusion	0 to 6 mm	-	-	-	-
Retrusion	0 to 2 mm	0 to 2 mm	-	-	-
ISS (Immediate Sideshift)	0 to 1.5 mm (per side)	-	-	-	-
Distraction	0 to 3 mm	0 to 3 mm	-	-	-
Centric design	Centric lever for semi-axes	Centric lever for semi-axes	Centric click	Centric click	Centric click
Upper and lower articulator arms prevented from coming apart inadvertently in open centric by:	Arcon-Clip	Arcon-Clip	Centric plate	Centric plate	Centric plate
Arbitrary pins for direct transfer with Artex facebow	yes	yes	yes	no	no



IN ARCON DESIGN

Artex articulators in Arcon design based on the human anatomy. The condylar balls are therefore in the lower member of the articulator and condylar guidance surface in the upper member. The condylar guidance elements can be adjusted using individual positioning registrations.

artex® cr

MODEL MANAGEMENT ARTICULATOR AND UNIVERSAL DIAGNOSIS AND THERAPY DEVICE



- _ Provides comprehensive adjustment possibilities to reproduce the patient's clearance and movement dynamics
- _ Fully adjustable Artex Carbon articulator offering the following additional functions:
 - _ Variable sideshift function for transversal clearance, adjustable from 0 to 1.5 mm (for each side)
 - _ Variable protrusion, adjustable from 0 to 6 mm
 - _ Variable retrusion, adjustable from 0 to 2 mm
 - _ Distraction permitting release of compressed mandibular joints from 0 to 3 mm
 - _ Ideal for model analysis, splint manufacture and correction
 - _ Adjustable inclination of the condyle track inclination from -20° to +60°
 - _ Bennett angle adjustable from -5° to +30°

artex® cpr

THE ARCON BASE DEVICE



- _ Semi-adjustable Arcon articulator with 3 non-tip working positions
- _ High-precision and robust centric quick lock via mechanically guided semi axis
- _ Arbitrary pins for direct transfer with the Artex facebow
- _ Adjustable inclination of the condyle track inclination from -20° to +60°
- _ Distraction permitting release of compressed mandibular joints from 0 to 3 mm
- _ Arcon clip prevents separation of upper and lower articulator parts while centric is open
- _ Bennett angle adjustable from -5° to +30°
- _ Infinitely variable retrusion, can be set from 0 to 2 mm

IN NON-ARCON DESIGN

A feature of Artex articulators in non-Arcon design is their reliable and easy handling. In contrast to Arcon design articulators, the condylar ball is in the upper member of the articulator and the condylar guidance surface is in the lower member. The anatomy of the patient is thus "turned on its head", whereby upper and lower members of non-Arcon articulators form a single unit, even with opened centric.

artex® ct



NON-ARCON BASE DEVICE

- _Partially adjustable non-Arcon articulator
- _Adjustable inclination of the condyle track inclination from -15° to 60°
- _Bennett angle adjustable from 0 to 20°
- _“Click” - centric quick lock
- _Arbitrary pins for face bow adaptation

artex® cn



NON-ARCON BASE DEVICE

- _Simple and pleasant handling
- _3 working positions, no tipping over
- _“Click” - centric quick lock
- _Fixed average condyle track inclination at 35°
- _Bennett angle adjustable from 0 to 20°

artex® bn



NON-ARCON BASE DEVICE

- _Precise functional components made from aluminium and stainless steel
- _Integrated magnetic mounting plate system
- _Fixed condyle with a 19 mm path radius
- _Fixed average sagittal condylar path inclination of 35°
- _Fixed Bennett angle of 15°
- _“Click” - quick centric lock

PRECISELY INTERCHANGE ARTEX ARTICULATORS

All Artex articulators can be adjusted to uniformity of design using the Splitex key and Splitex plate set. The magnetic plate system is used for metric interchangeability. The precision of calibration is such that deviations are brought down to below $10\mu\text{m}$. This means that models can be mounted and changed with precision on any calibrated Artex.

Adjustability of the Artex articulators greatly simplifies model transfer between the practice and laboratory. Where both parties have a calibrated articulator, then only the models need to be transported, and not the complete articulator. Not only does this protect the articulator against handling problems, it also saves on postal charges.



- _Highly precise interchangeability of Artex articulators thanks to tolerances below $10\mu\text{m}$**
- _Saves articulators and increases their profitability**
- _Simplifies dispatch (only the model) and increases the information flow**
- _Splitex Counter plates prevent the risk of poor fit caused by plaster expansion and guarantee quick, precise adaptation to Splitex metal plates**



Splitex-keys



Splitex counter-plates in black or white



Splitex plate set for the carbon version

SPLITEX CALIBRATION



1 Remove model plates, magnets and magnet holders from the upper and lower parts of the Artex articulator



2 Replace the magnet holders by the mounting plates and secure them with screws in the upper and lower parts of the Artex articulator



3 Screw down the Splitex TOP plate on the upper part of the Artex articulator



4 Insert the Splitex magnet holder and magnet into the TOP plate



5 Insulate the carbon surface in the area of the adhesive plate by applying a thin layer of petroleum jelly



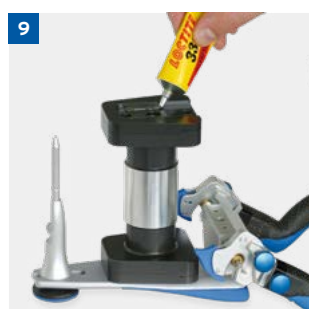
6 Screw down the adhesive plate onto the lower part of the Artex articulator



7 Place the Artex articulator upside down and put Splitex key in place



8 Put Splitex mandibular adjustment plate on top of the key



9 Apply two strands of glue near the center of the Splitex plate



10 Close the Artex articulator and let the glue dry



11 Calibrate further Artex articulators using the Splitex key for metric commonality



12 Models can be transferred from one calibrated Artex articulator to the next as every dental technician and every dentist has his or her own Artex articulator

PROTECTS THE POSTERIOR TEETH AND GUARANTEES CORRECT INCISAL GUIDANCE

The Artex incisal guidance is used for fabricating functional anterior restorations, as correct incisal function is the prerequisite for a durable posterior restoration and preserving the residual posterior teeth. The incisal-canine guidance can be determined using the diagnostic models before grinding the teeth and transferred to settings of the customised incisal guidance unit.

Customised incisal guidance has been integrated in the Ceramill CAD/CAM system without limitations and is an integral component of the Ceramill Artex virtual articulator.



- _Reproduces the incisal guidance of the patient**
- _Guarantees correct incisal function and protects the posterior teeth against overloading**
- _Avoids ceramic fractures due to overloading**
- _Also practical for setting up guidance with posterior restorations**
- _Avoids excessive grinding**
- _Component of the Ceramill Artex virtual articulator**



Setting the customised incisal-canine guidance with diagnostic models - the posterior teeth disocclude



Prepared anterior with applied customised incisal-canine guidance

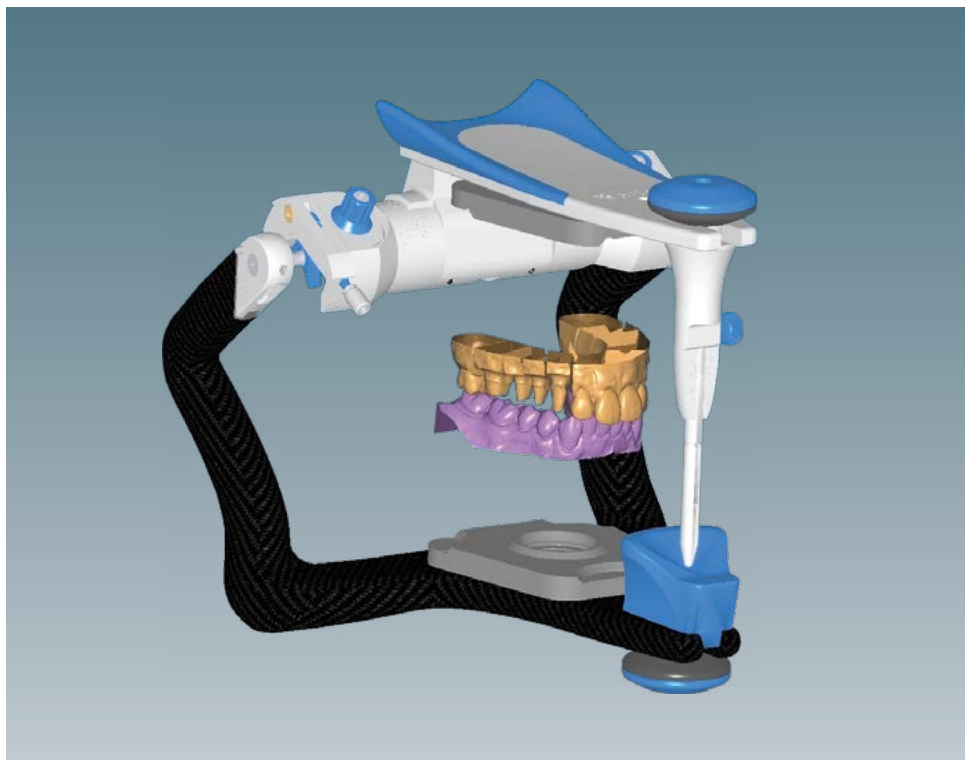


Customised incisal guidance table in the Ceramill Artex. The virtual and analogue techniques are identical

THE FUNCTIONAL INTERFACE BETWEEN MANUAL AND DIGITAL DENTAL TECHNOLOGY

With manual production of dental prosthesis working with the articulator is standard for dental laboratories. In order to achieve the same quality of the works virtually, it is only logical and consistent to enable this by means of a CAD/CAM system. The virtual articulator "Ceramill Artex" serves as a bridge between manual and digital techniques:

The model pair in the Artex articulator is transferred to the Map 600+ -scanner while holding the same Artex mode by means of the Ceramill transferkit; it is subsequently scanned-in in the appropriate proportion. The movement options of the Artex CR are thus synchronised digitally and manually. Interfering structures can already be removed, reducing time-consuming grinding in at the chairside to a minimum.



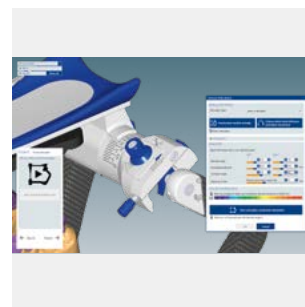
- _Virtual Artex CR for speedy entry into the digital world
- _The virtual articulator offers the same functional scope as compared to the real Artex CR
- _Ceramill transfer kit guarantees loss-free transfer of patient data to the scanner
- _The calculation of the fully anatomical construction is dynamic and static under consideration of the antagonists and the adjusted values of the articulator
- _Space for the porcelain built-up is automatically foreseen during the construction



Models in the real Artex CR



Model in the Artex Fixator



Adjustment modes at the virtual Artex CR



Artex Typ CN



Artex Typ CT



Artex Typ CPR



Artex Typ CR



Artex Typ BN

Artex Articulators

217310	Artex Typ CN
217320	Artex Typ CT
218750	Artex Typ CPR
218760	Artex Typ CR
217360	Artex Typ BN

218730	Artex Arcon clip	
217330	Modell plate blue (pair)	
217331	Modell plate blue	50 pcs.
215250	Retention Disks	100 pcs.
299991	Individual engraving on Artex	
217333	Support pin C screwable	



Dentist Kit

Select one of the four Artex articulators for the Splitex plate set, the Artex facebow and the Splitex transfer stand.

217310, 217320, 218750, 218760	Artex (CN, CT, CPR, CR)
216100C	Splitex Plate Set
218600	Artex Facebow
216240	Splitex Transfer Stand



Dentist Mini Kit

Artex Facebow, Splitex Transfer Stand

218600	Artex Facebow
216240	Splitex Transfer Stand



Technician Kit

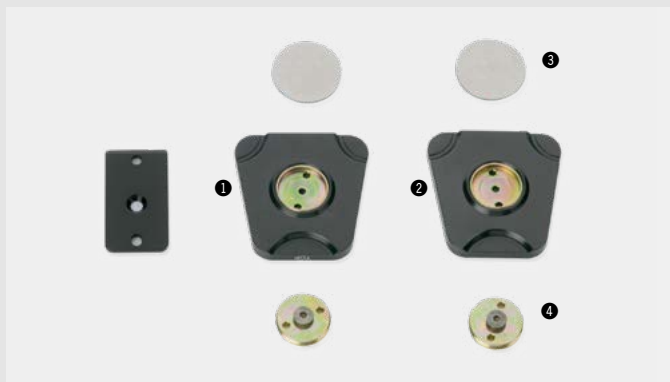
Free choosable Artex articulator, Splitex Plate Set, Counter Plates, Retention Disk, Splitex Key

217310, 217320, 218750, 218760	Artex (CN, CT, CPR, CR)	
216100C	Splitex Plate Set	
216235	Counter Plates	100 pcs.
216150	Retention Disks	
216010C	Splitex key	



Splitex Keys

216010C	Splitex key for Artex, 126 mm, C-Version
216010	Splitex key for Artex, 116 mm
216011	Splitex Spacer Plate +10 mm (required for new serial 126 mm)



Splitex Disc Set

216100C	1 - 4 Plate Set, C-Version	
216100	Plate Set (without picture)	
216110C	1 Base Plate (TOP) without magnet	
216120C	2 Adjust. Plate mandibular without magnet	
216150	3 2 Retention Disks	100/pkg.
216111C	4 2 mounting plates with screws	
216170	1 screw set max./mand.	2/pkg.
216140	Magnets	6 pcs.



Splitex Counter Plate

The shock-resistant plastic material reliably adapts the Splitex plinth plate without distortion. Both plates are suitable for multiple use. The Premium quality (white) offers a higher accuracy ($< 10 \mu\text{m}$).

- _Always available for quick, precise adaptation at the plinth plate
- _Prevents the risk of ill fit since no plaster expansion takes place
- _Tight, even model fixation, but nevertheless allowing safe removal and reposition

216230	Premium white	10/pkg.
216235	Classic black	100/pkg.
216150	Retention Disks, Ø 36.5 x 1.5 for Splitex	100/pkg.

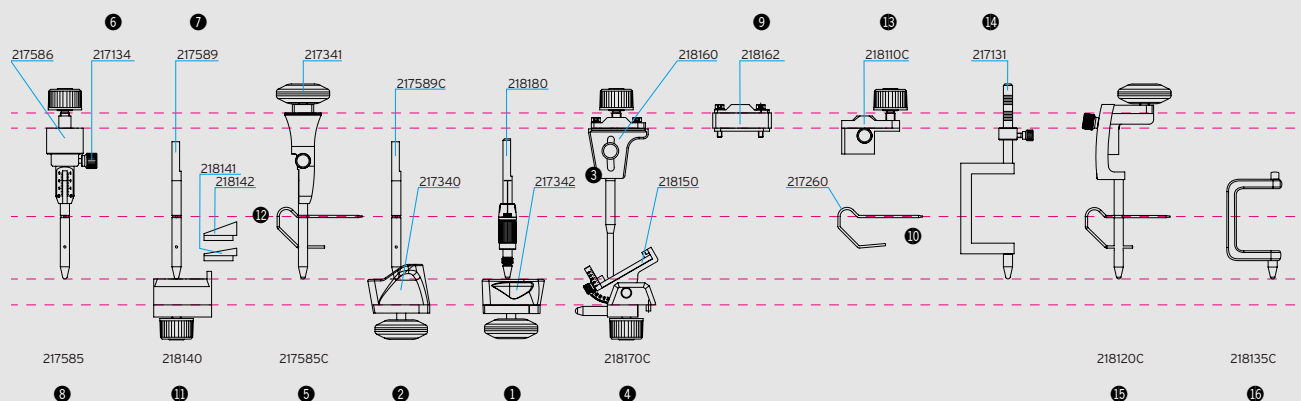


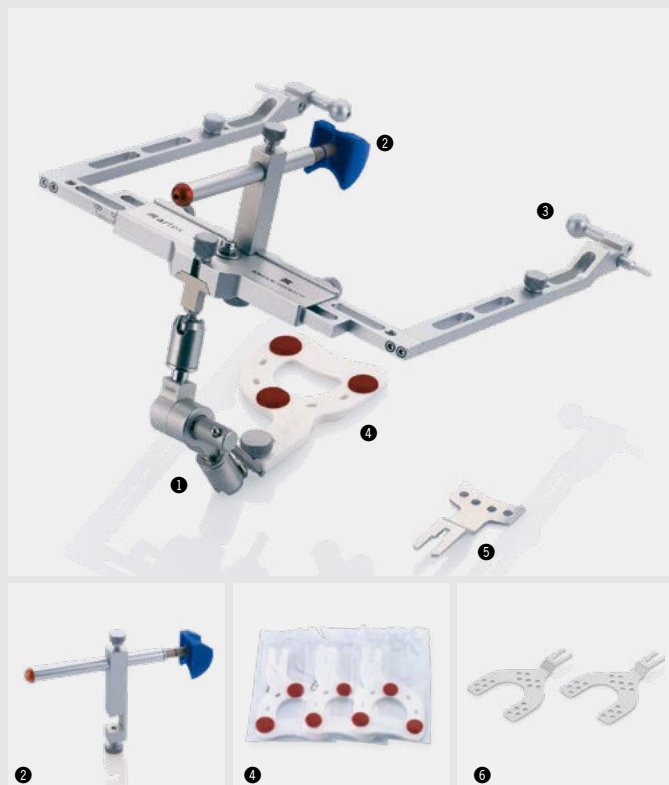
Artex Anterior Guidance

Special accessory which fits in all Artex Articulators, to mechanically individualize/program the anterior area.

- _ **Micrometer pin** to exactly raise/lower the anterior guidance in steps of 1/10 mm
- _ **Individual anterior guidance** using radially guided pin with infinitely variable table plate (protrusion 0-40°, laterotrusion 0-70°, turning to right and left)
- _ **Cranked pin** provides for unhindered access during anterior set-up and maintains clear sightlines

217586	6	Support pin
217589	7	Anterior guidance pin
217589C		Anterior guidance pin, C-Version
217585	8	Anterior guidance pin complete
217585C	5	Anterior guidance pin for Carbon-Version
218170C	4	Individ. anterior guidance, 0-70° protrusion, 0-40° laterotrusion pin, table, adjusting bolt for Carbon-Version
218162	9	Heightener 10mm for radial pin
218120C	15	Radial pin, C-Version
218135C	16	Radial pin insert, angled
217260	10	Artex Incisal needle
218140	11	Artex Incisal plate incl. 218141, 218142
218141	12	Table adapter 10°
218142	12	Table adapter 20°
217340	2	Plate anatomical for Carbon-Version (40° protrusiv; 30-40° laterotrusiv)
217342	1	Standard incisal plate 0° for Carbon-Version
218110C	15	Pin holder
217131	14	Micrometer pin
218180	3	Micrometer pin Artex



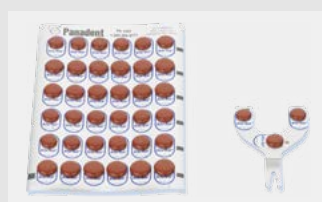


Artex Facebow C€

218600	❶ - ❸	
218620	❶ Joint Support	
218680	❷ Leipzig Nasion	
218607	❸ Porus Buttons "Standard", pair	
217650	❹ Artex Quickbite	10/pkg.
217928	❺ Tray Handle	

Optional accessory

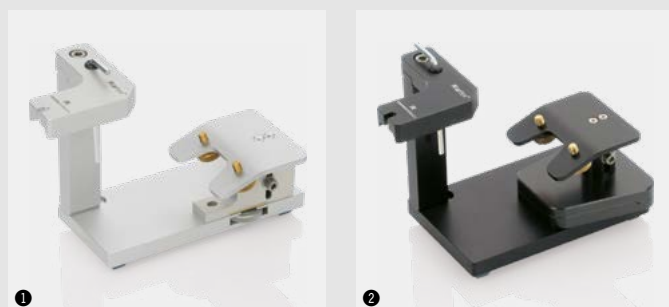
218609	Porus Buttons long, pair	
218610	Axis-plane Pointer w. screw	
218635	Carrier for Facebow Cadiax compact, pair	
218690	Nasion vertically adjustable	
217650	❹ Artex Quickbite	10/pkg.
217928	❺ Tray Handle	5/pkg.
217611	❻ Bite fork partial two-pack	2/pkg.
217695	Nasion adapter, blue (for cushioned Leipzig nasion)	



Bite Tabs C€

Thermoplastic pellets on self-adhesive foil to cover the metal bite fork for facebow registration.

642150	Bite Tabs, 180 Tabs
--------	---------------------



Artex Transfer Stand

For safe transport of the facebow registration to the lab.
The universal joint with bite fork is removed from the facebow and inserted into the reception of the transfer stand. There, the registration is fixed in plaster. The detachable transfer table safely and unshakeably takes this important patient information to the lab.

218670C	❶ Transfer Stand with table for carbon version
216240	❷ Splitex Transfer Stand complete



Artex Transfer Table

The detachable part of the transfer stand, either with screw for model plates or furnished with Splitex magnetic plate. Several transfer tables are necessary in case of short registration intervals (whereas only one facebow and one transfer stand are required).

_Saves money since only one facebow is sufficient
_Saves plaster work at the practice but ensures safe transport to the lab

217671C	❶ Transfer Table for carbon version
216270	❷ Transfer Table with Splitex Profile