

# Guide to secondary telescopics in the HYBRID production



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# Secondary telescopics HYBRID production Guide

A structured workflow is crucial for quality and efficiency in dental technology. Although getting started with HYBRID production requires training, you can achieve considerable time and cost savings through patience and experience.

This guide is meant to help you optimize the most important steps and use best practices for precise and reliable production of secondary telescopics.

The fit of a work depends on the following factors

- Configuration of primary telescopics
- Digitization of the work
- Design

We recommend **carrying out a test** to determine the appropriate values.



# Secondary telescopics HYBRID production Configuration of primary telescopics

#### Parallel telescopic crowns

Recommended angle of 0°.

#### Circular friction surfaces

At least 2 to 3 mm high.

#### **Opposite friction surfaces**

At the same height to ensure function.

#### Clear shoulders and margins

Well-defined shoulders and occlusally rounded edges for increased accuracy of fit.



# Secondary telescopics HYBRID production Precise scans

#### **Regular calibration**

Especially in case of temperature fluctuations.

ScanServer	– 🗆 X
Werkzeuge Hilfe	
зsha	pe
Paradase	
D900 Scannertemperatur: 32.9 °C Kalibriert Heute (32.4 °C)	
Beenden	Scanner kalibrieren

#### Detailed settings

Set the scanner to the best possible resolution.

Einstellungen	Benutzerhand	Standard	anwe	Fertig		
3Shape Scanlt Dental (2.2.4.0	)					
Scanner						
canner-Host:			localhost	Zurücksetzer		
Allgemein						
Stumpf in der Brücke: Höhe unter der Präpgrenze (mm)			10	v	~	
Einzelstumpf: Scanhöhe (mm)			20	v	^	
Zahnbogen: Scanhöhe (mm)			31	v	^	
Adaptive Scanwiederholungen			1	v	٨	
Auto-adaptives Scannen verwenden						
Detaillierungsgrad						
Stumpf-Scannen optimiert fü	r		Geschwindigkeit	Eina	zelheite	
Bogenscan optimiert für			Ultraschnell Einzelheiter			
Details verbessern (bei bestin	nmten Scannern und I	Mod	~			
Zubehör						
Artikulator Halter (sofern unterstützt)			×			
Erweitert						
Multi-die Scannen						
Stümpfe am Modell scannen	(wenn unterstützt)					
Automatisches Zuschneiden	(falls unterstützt)					
Textur scannen						
GPU-Triangulation bevorzug			~			
Auto-Start						
Optionale Schritte überspring	gen					
Jber 3Shape Scanlt Dental			Fremdlizenzen			



# Secondary telescopics HYBRID production Precise scans

#### Individual scans

Scan each telescopic individually, avoid multi-die holders.

#### Optical scanner

When scanning with an optical scanner, a scan spray (antireflective spray) is essential. Spray evenly - as thin as possible, as thick as necessary.

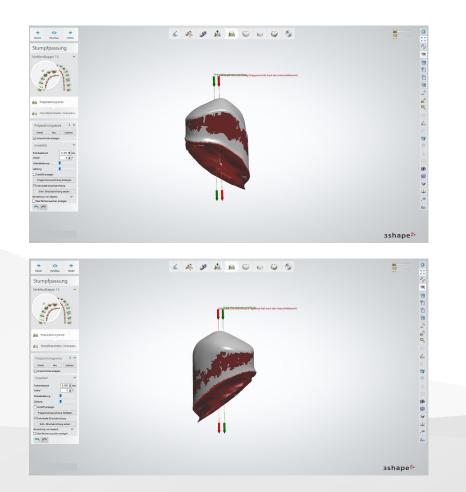
No reflections should be visible and there should be no coating layer.

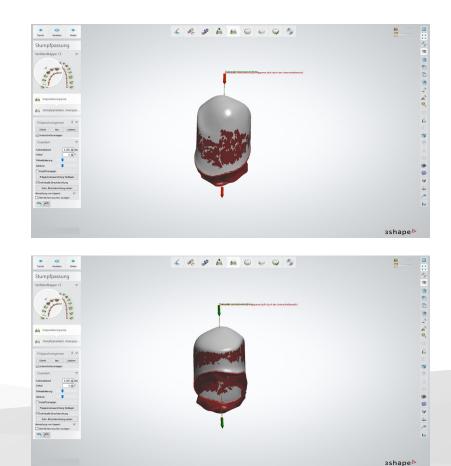


# Secondary telescopics HYBRID production Design

#### Insertion direction

This must be determined separately for each telescopic - a circular camouflage pattern is considered ideal.



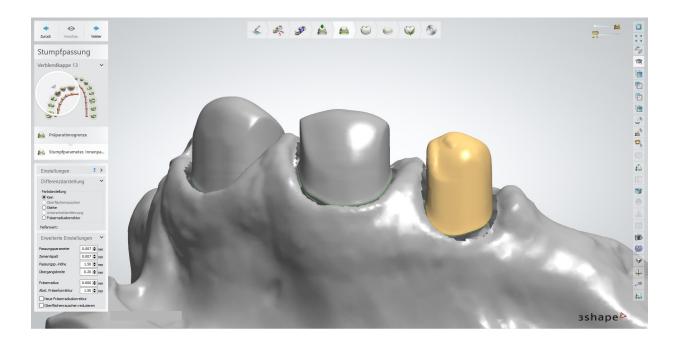




# Secondary telescopics HYBRID production Design

#### Parameter recommendations

These serve as a rough guide - optimum settings depend on the workflow and the initial situation.



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from technician to technician

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