Now at your dealer or **wh.com**









Synectision

The instrument line for the highest demands. Customised straight and contra-angle handpieces with maximum precision, elegance and performance.

SUPEC FUSION

The efficient and economical solution.

Straight and contra-angle handpieces
with the well-known Synea
quality have never been so affordable!

The new premium straight and contraangle handpieces from W&H

People have Priority: To make it easier to select one of our new Synea straight and contra-angle handpieces, we listened to your requirements and have now developed two new lines perfectly suited to your needs. Synea Vision: now with innovations such as special scratch-resistant coating. and Synea Fusion: a series with top quality and maximum economy.



Two instrument lines

New! Synea is available in Vision and Fusion lines.



Quiet

Noticeably quieter – thanks to new gearing technology.



Monoblock design

ergonomics cast from a single piece – for optimal hygiene.



Synea Vision Short Edition

The short route to better ergonomics.



Customised production

Different head sizes for optimal access options.



Reliability

Top quality for a long life.

Synea Vision:

the ultimate straight and contra-angle handpieces

A range for all applications: W&H has developed a range of top quality instruments with the new Synea Vision line. Two high-speed head sizes are available for surprising access options. And a special coating improves aesthetics even more and extends their life.

Instruments for the future

- Different head sizes with 5x spray
- Perfect ergonomics and quiet operation
- Lasting quality
- Scratch-resistant surface

Excellent preparation results

and optimised head sizes.

with outstandingly quiet operation

Long service life



Scratch-resistant surface

Small heads

with limited access.

A special coating resists signs of wear - for long-lasting aesthetics and pleasure equal to that experienced on the first day.

Two high-speed head sizes and the

world's lowest head height among

slow-speeds. Also ideal for patients

SUPECTION



5x spray

The 5x spray ensures even cooling of the treatment site under all conditions.



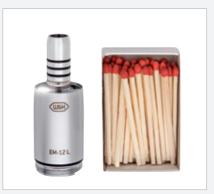
Versatile range

The right straight or contra-angle handpiece for every application in Synea quality!

Synea Vision Short Edition:

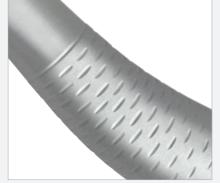
the perfect balance between power and ergonomics

The new Synea Vision Short Edition makes the treatment process considerably easier due to the reduction in weight and length. Choose from the classic range of high and slow-speeds. The perfect balance between ergonomics and power when combined with the new, ultra-short micromotor FM-12 L.



Small but what power

The new micromotor EM-12 L with LED for bright as daylight illumination of the treatment area.



Scratch-resistant surface

even on the small Synea Vision contra-angle handpieces.



Best results

due to easy access and small head sizes.



Contra-angle handpieces for all situations

The Synea Vision Short Edition in the classic range and with two different head sizes for high-speeds.

The contra-angle handpieces of the Synea Vision Short Edition can be used on micromotors with an ISO coupling length of 23 mm or less. Please check compatibility with your existing micromotors. Your specialist consultant will be glad to assist you.

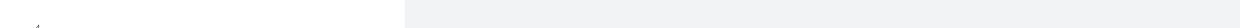
Perfect balance

handpieces of

the Short Edition.

Fit perfectly in your

hand: the contra-angle



Working with a system: **The Synea Vision**

Standard and Short Edition

Two systems, lots of advantages: whether you go for the Synea Vision Standard Version or prefer the Synea Vision Short Edition – superb quality, durability and precision will make your daily work significantly easier.



Synea Vision:

SUPECTION

Technical data













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Types with light: (compact glass rod)	WK-99 LT WK-99 LT S	WK-93 LT WK-93 LT S	WK-66 LT WK-66 LT S	WK-56 LT WK-56 LT S	WK-86 LT	HK-43 LT
Head size:	Ø 9.5 mm	Ø 9.1 mm	Ø 9.5 mm	Ø 9.5 mm	Ø 9.5 mm	-
Head height with bur (19 mm):	21.6 mm	21.2 mm	20 mm	20 mm	20 mm	-
Rotary instruments:	FG bur	FG bur	Contra-angle handpiece bur	Contra-angle handpiece bur	Contra-angle handpiece bur	Straight and contra-angle handpiece burs
Max. operating part diameter:	Ø 2.5	Ø2	-	-	-	-
Max. length:	25 mm	21 mm	34 mm	34 mm	34 mm	34 mm
Speed increase/ reduction:	1:5	1:4.5	2:1	1:1	8:1	1:1
Spray:	5x (> 50 ml/min)	5x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)
Illuminating power in types with light:	25,000 lux	25,000 lux	25,000 lux	25,000 lux	25,000 lux	25,000 lux
Indications:	 Crown and cavity preparations Trephining Resections Finishing Removing fillings and metal 	 Crown and cavity preparations Trephining Resections Finishing Removing fillings and metal 	ExcavatingPreparations close to the pulpFinishing	Cavity preparations Trephining Resections Separating Finishing of cavity margins and fillings	 Excavating Preparations close to the pulp Root canal filling Cementing 	 > Preparing > Separating > Trephining > Resections in anterior area > Minor technical procedures





	ISO Standard WK-93 LT + EM-E8 LED + VE-9	ISO Short WK-93 LTS + EM-12 L + VE-10		
Length (up to end of hose union):	189 mm	160 mm		
Weight:	198 g	150 g		

Synea Fusion:

Ultimate price-performance ratio



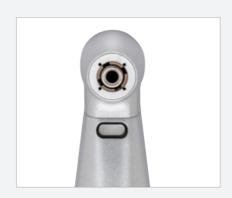
Proven Synea quality has never been so economical: With the Synea Fusion line W&H has developed a range of instruments in which economy is as important as quality.



Quality that pays for itself Proven Synea quality Maximum efficiency in use

Uncompromising

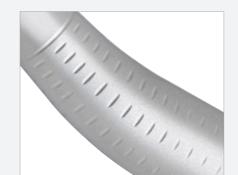
user comfort



Optimal cooling from four sides Continuous cooling with Quattro Spray.



Small head Best visibility and optimal access thanks to new small head sizes.



Optimised grip profile for secure grip and optimum hygiene.



Special instruments Special reciprocating contra-angle handpieces for areas that are difficult to access.

Synea Fusion:

Technical data

C€ | | 135°C | | 135°C |













0297 [/][[555]						
Types with light: (compact glass rod)	WG-99 LT	WG-66 LT	WG-56 LT		WG-67 LT	WG-69 LT
Types without light:	WG-99 A	WG-66 A	WG-56 A	HG-43 A	WG-67 A	WG-69 A
Head size:	Ø 9.5 mm	Ø 9.5 mm	Ø 9.5 mm	-	-	-
Head height with bur (19 mm):	21.6 mm	20 mm	20 mm	-	-	-
Rotary instruments:	FG bur	Contra-angle handpiece bur	Contra-angle handpiece bur	Straight and contra-angle handpiece burs	Stroke 1.1 for Dentatus tips	Stroke 0.9 for Intensiv files
Max. operating part diameter:	Ø 2.5	-	-	-	defined by the available files and tips	
Max. length:	25 mm	34 mm	34 mm	34 mm		
Speed increase/ reduction:	1:5	2:1	1:1	1:1	2:1	2:1
Spray:	4x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)	1x (> 50 ml/min)
Illuminating power in types with light:	25,000 lux	25,000 lux	25,000 lux	-	25,000 lux	25,000 lux
Indications:	Crown and cavity preparations Trephining Resections Finishing Removing fillings and metal	 Excavating Preparations close to the pulp Finishing 	 Crown and cavity preparations Trephining Resections Separating Finishing of cavity margins and fillings 	Preparing Separating Trephining Resections in anterior area Minor technical procedures	 Removal of excess materials Prepolishing Fine polishing Buffing in the interdental and subgingival areas Max. rotational speed 20,000 rpm 	 Finishing of interproximal and subgingival areas and cavity margins Chamfering of the preparation edges and of cavities Removal of sub gingival plaque Stripping in orthodontics Max. rotational speed 40,000 rpm

Safe, complete reprocessing

thanks to W&H

Sterilization, hygiene and maintenance are increasingly important in the dental practice. W&H offers best practice hygiene protocols as a complete solution for processing your straight and contraangle handpieces and turbines.



W&H offers a wide range of accessories for optimization of the sterilization process. Minor extras lead to major results. Work in the practice is easier and your team saves time.

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W&H Dentalwerk Bürmoos GmbH

Ignaz-Glaser-Straße 53, Postfach 1 5111 Bürmoos, **Austria t** +43 6274 6236-0 **f** +43 6274 6236-55 office@wh.com **wh.com**