



Restoration & Prosthetics

Turbines without a dark side



syneo



syneco^{VISION}

The instrument range that meets the highest demands.
High-end turbines with ultimate technology!

syneco^{FUSION}

The instrument range for maximum economy.
Proven Syneca quality is more accessible than ever before, whatever your budget!

Turbines that meet the highest demands



People have Priority: To make it easier to select one of our new Syneco turbines, we listened to your requirements and have now developed two new lines perfectly suited to your needs. Syneco Vision: with innovations like the sterilizable Penta LED+ optic ring. And Syneco Fusion: a series with top quality and maximum economy.



Light and smooth

Fatigue-free working with noticeably lighter turbine system.



See better

Best ever contrast and accurate colour reproduction with LED+.



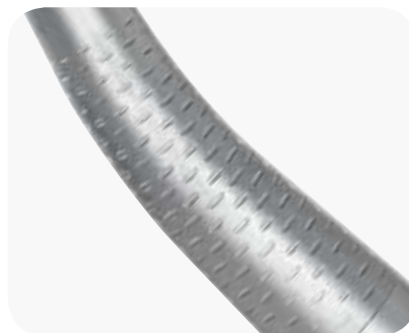
Optimum cooling

The bur tip is continuously cooled in all situations.



Tailor-made turbines

The right head for every application. With Roto Quick or Multiflex®* connection.



Best ergonomics

Syneco turbines are comfortable in the hand and have a non-slip coating.



Reliability

Top quality for a long life.

Synea Vision: The dream that has become reality



Ultimate high-end technology for excellent preparation results: Discover the Synea Vision range with unique innovations such as the shadow-free Penta LED+ optic ring or the special new scratch-resistant surface coating!



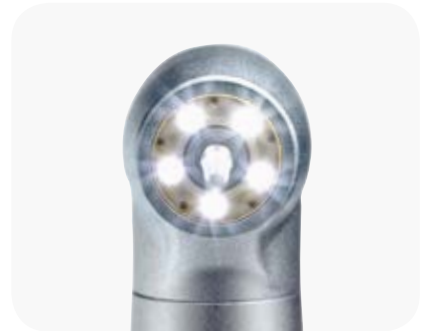
Tailor-made instruments

Like the TA-94 microturbine for minimally invasive applications.



Scratch-resistant surface

A special scratch-resistant coating keeps it looking immaculate, and helps maintain its value.



Revolutionary

Penta LED+: the only sterilizable 5x LED ring in the world.



No shadows

Penta LED+: for the first time ever, shadow-free illumination at the treatment site!



Synea Vision: Technical data



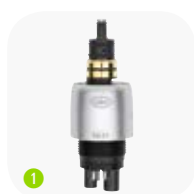
Types with integrated ceramic ball bearings:

	TK-94 L / TK-94 LM**	TK-97 L / TK-97 LM**	TK-98 L / TK-98 LM**	TK-100 L / TK-100 LM**
Light:	LED+ / compact glass rod	Penta LED+ / compact glass rod	Penta LED+ / compact glass rod	Penta LED+ / compact glass rod
CRI (LED version):	> 90	> 90	> 90	> 90
Colour temperature: (LED version):	5,500 K	5,500 K	5,500 K	5,500 K
Luminous flux (lumens):	6.0 / 4.0*	6.0 / 4.0*	6.0 / 4.0*	6.0 / 4.0*
Illuminating power:	25,000 lux	25,000 lux	25,000 lux	25,000 lux
Coupling:	① Roto Quick ② Multiflex®**	① Roto Quick ② Multiflex®**	① Roto Quick ② Multiflex®**	① Roto Quick ② Multiflex®**
Head size:	Ø 9 mm	Ø 10 mm	Ø 11,5 mm	Ø 13 mm
Head height:	17,2 mm (with bur 16 mm)	21,1 mm (with bur 19 mm)	21,4 mm (with bur 19 mm)	21,4 mm (with bur 19 mm)
Power:	12 W	18 W	21 W	22 W
rpm (min ⁻¹):	430,000	400,000	360,000	330,000
Rotary instruments:	FG bur, as per EN ISO 1797-1:1995, with Ø 1,6 mm			
Max. operating part diameter:	1,5 mm	2 mm	2 mm	2,5 mm
Max. length:	16 mm	21 mm	25 mm	25 mm
Weight:	39 g / 67 g	38 g / 68 g	40 g / 69 g	40 g / 70 g
Roto Quick connection operating pressure:	3 ± 0,3 bar	3 ± 0,3 bar	3 ± 0,3 bar	3 ± 0,3 bar
Multiflex® connection operating pressure:	2,5 to 4 bar	2,5 to 4 bar	2,5 to 4 bar	2,5 to 4 bar
Spray outlets:	5x	5x	5x	5x
Volume:	59 dB (A)	57 dB (A)	57 dB (A)	57 dB (A)

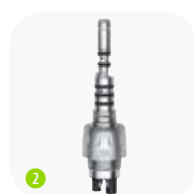
The power and rotary speeds of air drives depend greatly on the quality of the turbine hoses used and may therefore vary from the specified values.

* Values apply for use of RM-34 LED with DC power supply

** Multiflex® is a registered trademark of Kaltenbach & Voigt GmbH, Germany



- W&H Roto Quick couplings enable the versatile use of instruments with LED+, LED and halogen light
- > Click and pull
 - > Continuous regulation of the spray water supply
 - > Clean head system
 - > Sterilizable
 - > 24-month guarantee



- W&H RM-34 LED coupling for Multiflex® connection
- > Use of LED without requiring changes to an optic dental unit
 - > Long LED service life
 - > Continuous regulation of the spray water supply
 - > Clean head system
 - > 24-month guarantee

Synea Fusion: Synea turbines with maximum efficiency



Uncompromising user comfort combined with outstanding economy:
Discover the benefits of the Synea Fusion line!

Your advantages at a glance

- > Small head
- > Thermo washer disinfectable up to 135°C
- > Long service life
- > Short service times
- > Lightweight and quiet



Experience LED+

Optimum illumination, natural colour reproduction and LED positioned directly beneath the instrument head.



Optimum cooling of four sides

Continuous cooling with Quattro Spray.



Synea Fusion:

Technical data



Types:	TG-98 L / TG-98 LM** / TG-98	TG-97 L / TG-97 LM** / TG-97
Light:	LED + / compact glass rod / –	LED + / compact glass rod / –
CRI (LED version):	> 90	> 90
Colour temperature (LED version):	5,500 K*	5,500 K
Luminous flux (lumens):	6.0 / 4.0* / –	6.0 / 4.0* / –
Illuminating power:	25,000 Lux	25,000 Lux
Coupling:	<ul style="list-style-type: none"> 1 Roto Quick 2 Multiflex®** 	<ul style="list-style-type: none"> 1 Roto Quick 2 Multiflex®**
Head size:	Ø 11.5 mm	Ø 10 mm
Head height:	21.4 mm (with bur 19 mm)	21.1 mm (with bur 19 mm)
Power:	19 W	16 W
rpm (min ⁻¹):	360,000	390,000
Rotary instruments:	FG bur, as per EN ISO 1797-1:1995, with Ø 1,6 mm	
Max. operating part diameter:	2 mm	2 mm
Max. length:	25 mm	21 mm
Weight:	42 g / 70 g / 42 g	40 g / 68 g / 40 g
Roto Quick connection operating pressure:	3 ± 0,3 bar	3 ± 0,3 bar
Multiflex® connection operating pressure:	2.5 to 4 bar	2.5 to 4 bar
Spray outlets:	4x	4x
Volume:	59 dB (A)	59 dB (A)

The power and rotary speeds of air drives depend greatly on the quality of the turbine hoses used and may therefore vary from the specified values.

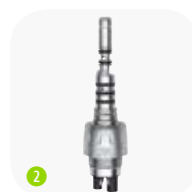
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W&H RM-34 LED coupling for Multiflex® connection

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W&H Augmented Reality (AR)
combines the real world and the
virtual world – a unique experience.
The future starts now!



Scan the QR code with
your mobile phone for
more information
on Synea turbines

Pictures are for illustrative purposes only. Additional equipment
and accessories shown are not included as standard.



Bring Synea Vision to life!

Download the »W&H AR« App to your smartphone or tablet PC free of charge from Google Play (for Android)
or the Apple App Store. Open the App and hold your device 50 cm from the picture.

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