

Restoration & Prosthetics



New.
Different.
Diverse.



syneco



synea^{VISION}

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

synea^{FUSION}

The instrument range for maximum economy.
Proven Synea 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 Synea turbines, we listened to your requirements and have now developed two new lines perfectly suited to your needs. Synea Vision: innovative and state-of-the-art. And Synea 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

Synea 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 line – the turbine range for all treatment scenarios!



Tailor-made instruments

Such as the TK-100 power turbine for removing crowns and bridges.



Scratch-resistant surface

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



Make room

The new TK-94 microturbine for areas that are difficult to access.



Small but impressive

LED+ in the microturbine: small space, plenty of light.



Synea Vision:

Technical data



Types with integrated ceramic ball bearings:

	TK-94 L / TK-94 LM**	TK-97 LM**	TK-98 LM**	TK-100 LM**
Light:	LED+ / compact glass rod	compact glass rod	compact glass rod	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*	4.0*	4.0*	4.0*
Illuminating power:	25,000 lux	25,000 lux	25,000 lux	25,000 lux
Coupling:	① Roto Quick ② Multiflex®**	② Multiflex®**	② Multiflex®**	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	68 g	69 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:	5-fach	5-fach	5-fach	5-fach
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.

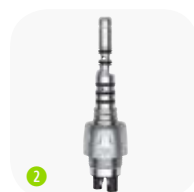
* Values apply for use of RM-34 LED with DC power supply

** 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

synea FUSION

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

Your advantages at a glance

- > Small head
- > Sterilizable 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:	<ol style="list-style-type: none"> 1 Roto Quick 2 Multiflex®** 	<ol 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.

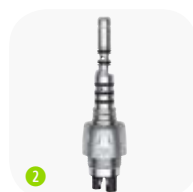
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Scan the QR code with
your mobile phone for
more information
on Synea turbines

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



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