Handpiece Collection

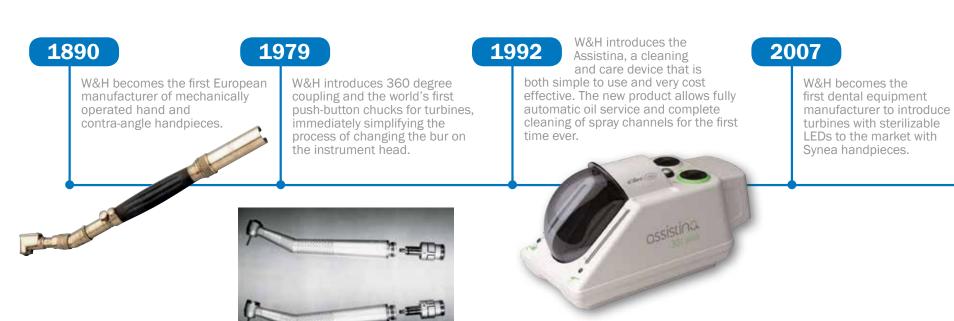


W&H: the leader in handpiece innovation.

For more than 125 years, W&H has been setting the standard with new technology and innovative product development. Today, the exclusive A-dec | W&H partnership co-develops the world's most advanced handpiece systems and small equipment integration, with a shared commitment to quality, reliability and excellent service.

A-dec|W&H products are also backed by some of the best and longest warranties in the dental industry: two years for Synea and one year for Alegra handpieces. Authorized repairs are warranted for a full year, not simply the remaining warranty period.

Milestones in handpiece development.



Handpiece Try & Buy

A-dec|W&H handpieces are engineered for optimal power, precision and control—and testing them for yourself couldn't be easier. Visit **a-dec.com/Try** for details.



2009

W&H introduces LED light from non-lighted 4-hole tubing with a unique self-generating turbine. These Alegra handpieces connect seamlessly to non-lighted 4-hole tubing.

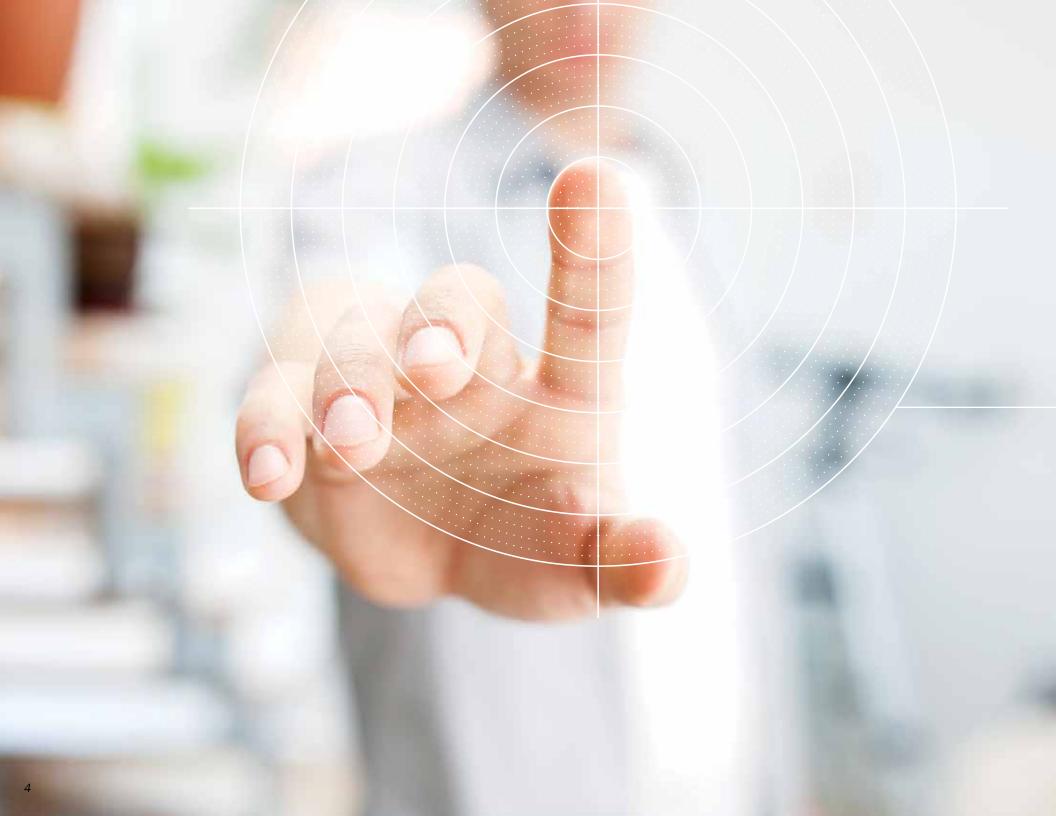
W&H develops the smallest electric motor available, the EA-53, which seamlessly integrates into A-dec delivery systems with controls integrated into the touchpad. Up to two motors can run off one controller.

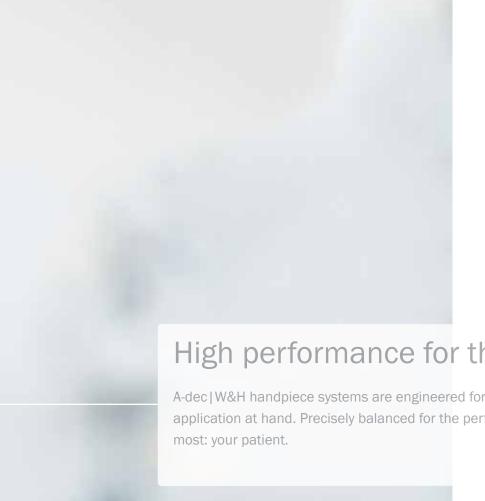


2014

W&H achieves a technological sensation: five powerful, pinhead-sized LEDs integrated in a ring shape, surrounding the burr on the Synea 500 turbine.







High performance for the human touch.

A-dec | W&H handpiece systems are engineered for optimal power, precision, and control, for the specific application at hand. Precisely balanced for the perfect feel in your hand, you can focus on what matters



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Air or electric? Why not both?

Electric handpieces.

When power, precision and versatility are key.

Electric handpieces deliver ultra-smooth performance for the greatest range of applications. With A-dec|W&H, you get the world's smallest electric motor and handpieces to work between high-speed and low-speed, and endodontics. All the torque you need balances lightly in your hand. And for gross enamel reduction or crown removal, expect full power for every precision cut and fine margin.



If you like having full power and torque, you want electric. With the EA-53 electric motor, you can have it all: small size, big integration, and tactile sensitivity that sets a whole new standard.

EA-53



Air handpieces.

When feel and vision matter most.

Doctors choose air handpieces for the tactile sensation of the bur with applied pressure. A-dec | W&H ensures productivity and optimal vision with refined small heads, unique placement of the LED illumination, and superior sight lines.

Why you need both.

For increased efficiency, choose both. The power and precision of electric quickly tackles the big jobs. And, when you need the finesse of an air handpiece, it's right at your fingertips.



Solutions for everyone.

Air and electric. Speed and torque. Weight and balance. Access and vision. We're here to help you put together the ideal combination for your practice.



Unmatched visibility. Power and precision. Compact and ultra lightweight. It's best in class, and you'll notice the difference the moment you feel it in your hand.

- Air
- Electric



Synea 400

Streamlined and simple, yet sophisticated. Synea 400 fits all leading brands' quickdisconnect couplers for easy mounting and removal. It's our most varied collection.

- Air
- Electric



A-dec | W&H Handpiece Advisor

Compare handpiece models and find detailed product information at **a-dec.com/HandpieceAdvisor**.



Alegra 300

The patented self-generating LED+ light changes everything. Simply attach your Alegra 300 high-speed handpiece to any air tubing and enjoy LED+ light.

• Air

Synea 500 | Air

High-speed



A more powerful experience.

Meet the new high-speed standard. Get unparalleled performance with outstanding control, balance and power. Plus, get shadow-free illumination with 5 LED+ lights surrounding the bur.

- Lightest handpiece system in the industry with our best swivel for reduced hand and wrist fatigue
- Ring LED+ illuminates the entire oral cavity
- Debris clearing 5 spray ports provides unprecedented visibility
- · Available in four head sizes: micro, mini, standard and torque



Handpieces and head sizes are shown actual size.

Works with

The Synea 500 series handpieces require a RQ-24 Roto-Quick coupler.



gross enamel reduction • crown and bridge • amalgam removal • polishing • finishing



Synea 500 | Electric



Handpieces are shown actual size.

Who knew it could be this good?

The new super compact and lightweight handpiece design provides the power of an electric in the size of an air handpiece. Nothing in the world comes close. At the leading edge of technology, Synea 500 gives you a comprehensive range of high-speed and low-speed options.

- · Micro head design offers exceptional access and visibility
- 5 spray ports clear debris to provide an optimal view of the working surface
- One-piece unibody design reduces sound and provides virtually vibration-free operation
- Scratch-resistant surface is as sleek as the ultra-smooth operation

Works with

Synea 500 standard handpieces work best with the EA-53 electric motor or any E-style electric motor.

*Synea 500 compact handpieces work with the EA-53 and any compact E-style electric motor.

EA-53

"The small size, quiet operation, and terrific power make this the best handpiece I have used."



Dr. Jerry Martin Granite Bay, California

Operatory handpiece package

Take advantage of our bundled handpiece packages and save.



Synea 500 electric (3) WK-93LTS

Synea 400 | Air





Proven and sophisticated.

Serious technology reduces hand fatigue and improves visibility. Lots of choices, one result: precision with comfort.

- · Mini head design improves access and visibility
- Standard head offers extra cutting power
- Lightest handpiece system in the industry to reduce hand and wrist fatigue
- LED+ illuminates the entire arch with daylight quality light
- 4 spray ports provide effective cooling and a clear view

The TG-971 /981

The TG-97L/98L handpieces require a RQ-24 Roto-Quick coupler. Other Synea 400 handpieces are also available. See page 24.

Works with



gross enamel reduction • crown and bridge • amalgam removal • polishing • finishing









Synea 400 | Electric



Handpieces are shown actual size.

Broad applications and seamless delivery system integration.

One-piece unibody design for reduced sound and virtually vibration-free operation. Ultra guiet operation means comfort for doctor and patient alike.

- Mini head design improves access and visibility
- 3 times more power than air high-speeds for exceptionally efficient cutting
- 4 spray ports provide effective cooling and a clear view (WG-99LT)

Works with

The Synea 400 standard handpieces work best with the EA-53 electric motor or any E-style electric motor.



"Synea handpieces make me a better dentist!"



Dr. Andrew Olsson Hood River, Oregon

Operatory handpiece package

Take advantage of our bundled handpiece packages and save.



Synea 400 electric (3) WG-99LT

Alegra 300 | Air



Handpieces are shown actual size.

How EASY is this?

You gain light without upgrading, and there's no reason for a service call to install an intraoral light source. Just attach and go. Our whole new approach to air technology works on any delivery system with 4-hole tubing.

Simple. Adaptable. Affordable.

Get all of the comfortable balance, low noise, and illumination you've come to expect with premium offerings, at a price you will appreciate.

- · Mini head design improves access and visibility
- Standard head offers extra cutting power
- Unique self-generated LED+ lighting—fits any type of handpiece tubing including non-lighted
- 3 spray ports provide effective cooling and a clear view
- · Lightweight handpiece design reduces hand and wrist fatigue

Works with

The Alegra 300 series high-speed air handpieces require a RQ-54 Roto-Quick coupler.



gross enamel reduction • crown and bridge • amalgam removal • polishing • finishing



Alegra 300 | Air



decay removal • refining • finishing • polishing

Finish. Polish. Finesse.

Handpieces to help you perfect those critical finishing steps.

- Short, slim, and lightweight handpiece design with our best swivel reduces hand and wrist fatigue
- Precision ball-bearings provide exceptional tactile feedback with smooth and quiet operation
- Mini head design improves access and visibility
- Unibody design simplifies handpiece cleaning, maintenance, and sterilization

"When we're excavating decay using the low-speed handpiece, the patients don't even notice it anymore."



Dr. Juliette Murko, Pittsburgh, Pennsylvania

Air low-speed handpiece package

Take advantage of our bundled handpiece packages and save.



300 series air package (2) WE-56T (1) AM-20RM

Works with

The Alegra 300 handpieces (shown) require an AM-20RM air motor. Other handpieces and motor options are also available. See page 25.



A-dec|W&H AM-20RM



Midwest® compatible AM-20MW



StarDental® compatible AM-20SD

To compare handpiece models visit a-dec.com/HandpieceAdvisor.

Specialty | Endodontics

Endea

Get better access with a micro head. With Endea's legacy of innovation you're ready to access the canal with unmatched control, visibility and ease.

- Micro head design offers exceptional access and visibility
- Precision ball-bearing design provides precise torque and ultra smooth operation to improve performance and maintain file integrity
- The 2:1 speed reducing ratio delivers increased control over file speed and torque limits (EB-79)
- The 4:1 speed reducing ratio delivers increased power and more torque when needed (EB-77)



Handpieces are shown actual size.

Works with

Endea handpieces work best with the EA-53 electric motor partnered with the A-dec deluxe touchpad.



EA-53

Specialty | Hygiene

Proxeo

All-around comfort for optimal prophy treatments. The advanced, lightweight Proxeo collection minimizes fatigue, while accommodating all leading cups and brushes.

- Micro head design offers exceptional access and visibility
- Precision ball-bearings provide superior tactile feedback with smooth and quiet operation
- Short, lightweight handpiece and motor with ultra smooth swivel deliver outstanding ergonomics

Handpieces are shown actual size.



EA-53 | Electric Motor





EA-53TT Tabletop

A motor with feeling.

Lightweight and loaded with versatility, the EA-53 motor gives you outstanding tactile sensitivity from one small, powerful, and quiet motor. Compact and balanced with a full range of handpieces for high-speed and low-speed applications—expect to do your best work better. Ultra-quiet and low vibration, with a natural tactile sensation.

For general dentistry, hygiene, and endodontics, the EA-53 motor is ready to fully integrate with your A-dec 500 and A-dec 300.

- Compact and lightweight electric motor provides superior ergonomics for reduced hand and wrist fatigue
- Electric motor provides over three times the power of an air handpiece in virtually the same size
- Vibration-free motor operation delivers unparalleled tactile feedback
- · Low noise level and LED+ lighting for superior visibility

Add an electric motor to any delivery.

One of the smallest motors on the market is now available as a tabletop. With a touchpad interface, the EA-53TT gives you the ability to add an electric motor with endo functionality to any delivery system.

AM-20 | Air Motor



Traditional for a good reason.

Tactile sensation and power all rolled into one lightweight, dependable motor solution. With an air motor, you have the ability to remove tooth structure rapidly, with a light touch. No wonder air motors have been used in dentistry for more than 40 years. You know you will get a motor that's easy to control and long lasting.

- Precision ball-bearings provide exceptional tactile feedback with smooth and quiet operation
- Powerful design creates greater cutting efficiency
- Ultra smooth swivel and light weight reduce hand and wrist fatigue

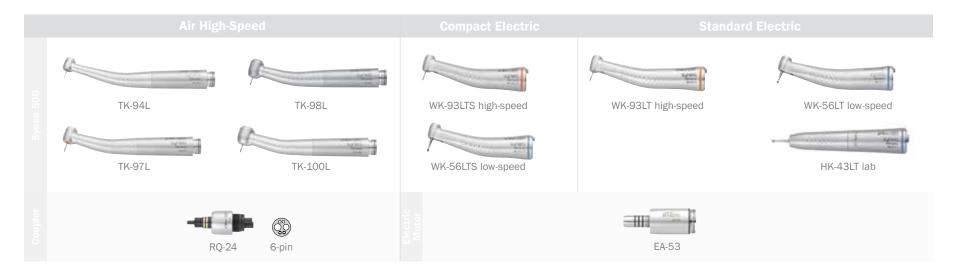
	System	Max. speed (rpm)
AM-20RM	A-dec W&H	20,000
AM-20MW	Midwest	20,000
AM-5MW	compatible	5,000
AM-20SD		20,000
AM-5SD	StarDental compatible	5,000
Torque Multiplier		20,000-5,000

Specifications

	Model	Head type	Power (watts)	Light	Spray ports	Head diameter (mm)	Head height (mm)	Head height (w 19 mm bur)	Weight (grams)	Noise level (dB)	Coupler	Tubing
ries	TK-94L	micro	14W	Ring LED+	5	9.0	10.2	17.2 (16 mm bur)	39		RQ-24	6-pin
O Se Spee	TK-97L	mini	21W			10.0	13.1	21.1	38	F-7		
Synea 500 Series Air High-Speeds	TK-98L	standard	24W			11.5	14.6	21.4	40	57		
Syn	TK-100L	torque	26W			13.0						
	TG-97L	mini	18W	LED+	4	10.0	13.1	21.1	40		RQ-24	6-pin
	TG-98L	standard	21W			11.5	14.6	21.4	40			
	TG-97LW	mini	16W	halogen		10.0	13.1	21.1	60	59	RA-24/25	6-pin/ 5-hole
eries	TG-98LW	standard	19W			11.5	14.6	21.4	61			
00 Se	TG-97LM	mini	16W			10.0	13.1	21.1	68		Kavo multi-flex lux	
Synea 400 Series Air High-Speeds	TG-98LM	standard	19W	standard		11.5	14.6	21.4	70			
Syl	TG-97LN	mini	16W	LED		10.0	13.1	21.1	50		NSK PTL	
	TG-98LN	standard	19W			11.5	14.6	21.4	52			
	TG-97	mini	16W	no light		10.0	13.1	21.1	43		RQ-04	4-hole
	TG-98	standard	19W	no light		11.5	14.6	21.4	44			
0 Series Speeds	TE-97LQ	mini	14W	self-		10.4	13.2	21.4	46			
Alegra 300 Series Air High-Speeds	TE-98LQ	standard	16W	generated LED+	3	12.2	15.0	21.8	48	62	RQ-54	4-hole

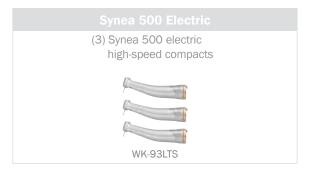
	Model	Handpiece type	Gear ratio	Max. Speed (rpm)	Chuck	Light	Spray ports	Head diameter (mm)	Head height (mm)	Head height (w 19 mm bur)	Weight (grams)	Length (mm)
	WK-93LTS	compact electric high-speed	1:4.5	180,000	Push-button 1.6mm friction grip burs	yes	5	9.1	13.2	21.2	66	87
500 Series	WK-93LT	standard electric high-speed									71	96
200	WK-56LTS	compact electric low-speed	1:1	40,000	Push-button 2.35mm latch burs		1	9.5	12.5	20.0	66	87
Synea	WK-56LT	standard electric low-speed									68	96
	HK-43LT	HK-43LT standard electric straight			Twist-tension 2.35 mm lab burs			n/a	n/a	n/a	88	90
	WG-99LT	standard electric high-speed	1:5	200,000	Push-button 1.6mm friction grip burs		4	9.5	14.5	21.7	74	
Series	WG-56LT	standard electric low-speed	1:1	40,000	Push-button 2.35mm latch burs	VOS			13.5	21.5	68	96
400	WG-57LT	standard electric low-speed	1.1	40,000	Push-button 1.6mm friction grip burs	yes	1	9.9	15.5	22.2	70	
Synea 400 Series	WG-66LT	standard electric low-speed	2:1	20,000	Push-button 2.35mm latch burs			9.5	13.5	21.5	68	
	HG-43A	standard electric straight	1:1	40,000	Twist-tension 2.35 mm lab burs	No	1	n/a	n/a	n/a	77	
	WE-56T	A-dec W&H air low-speed	1:1	20,000	Push-button 2.35mm latch burs			10.1	13.01	20.7		
	WE-57T	A-dec W&H air low-speed	1:1	20,000	Push-button 1.6mm friction grip burs					22.4	42	87.9
	WE-66T	A-dec W&H air low-speed	4:1	5,000	Push-button 2.35mm latch burs					20.7		
eries	HE-43T	A-dec W&H air straight	1:1	20,000	Twist-tension 2.35 mm lab burs		No	n/a	n/a	n/a	44	87.1
300 Series	WE-56TMW	Midwest compatible air low-speed	1:1	20,000	Push-button 2.35mm latch burs	No		10.1	13.01	20.7		87.9
Alegra 3	WE-57TMW	Midwest compatible air low-speed	1:1	20,000	Push-button 1.6mm friction grip burs	INO				22.4		
Ale	HE-43TMW	Midwest compatible air straight	1:1	20,000	Twist-tension 2.35 mm lab burs			n/a	n/a	n/a	41	78.2
	WE-56TSD	StarDental compatible air low-speed	1:1	20,000	Push-hutton 1 6mm			10.1	13.01	20.7		70.7
	WE-57TSD	StarDental compatible air low-speed	1:1	20,000						22.4		79.7
	HE-43TSD	StarDental compatible air straight	1:1	20,000	Twist-tension 2.35 mm lab burs			n/a	n/a	n/a	39	66.9

Synea | 500 Series

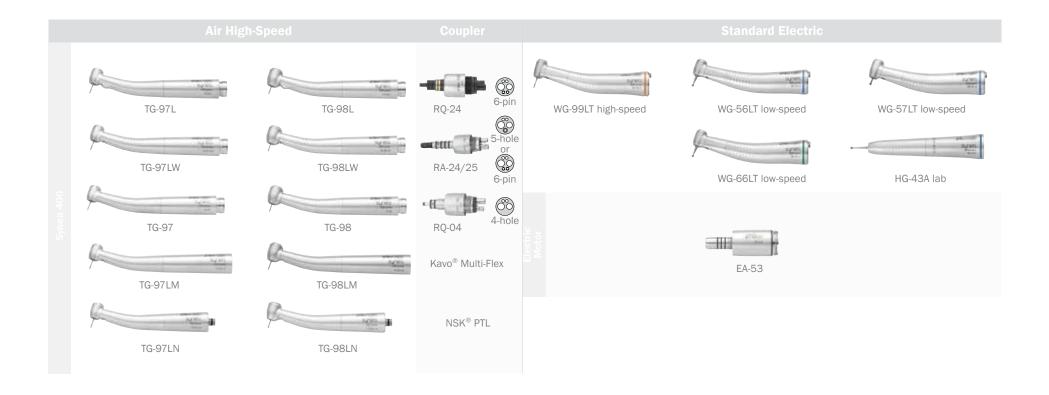


Operatory handpiece packages



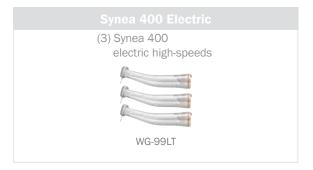


Synea | 400 Series

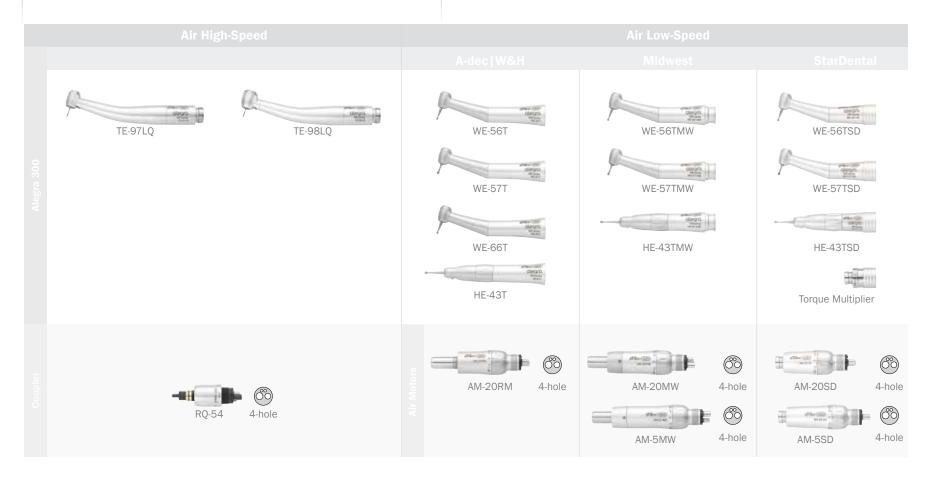


Operatory handpiece packages





Alegra | 300 Series



Operatory handpiece packages





Specialty | Endea & Proxeo



What goes into a

best in class partnership?

With more than 170 years of combined dependability and dedicated support, A-dec and W&H have a mutual vision of improving the daily lives of dental professionals worldwide.





Shared values.

W&H Philosophy: People have priority. Our focus is based on customer benefits with innovative products and services by focusing particularly on the requirements of the customer and offering pioneer solutions for them.

The A-dec Way: Our philosophy is a commitment to strive for excellence in all we do. No detail is too small to qualify for attention. Quality is everyone's responsibility. There is no such thing as "almost" fair or "almost" honest.

Strength in numbers.

Established: 1890

Employees: 1000 worldwide Headquarters: Bürmoos, Austria Established: 1964

Employees: 1000 worldwide

Headquarters: Newberg, Oregon USA

Unsurpassed customer support.

With more than 60 A-dec|W&H territory managers, legendary A-dec customer service, and a wide network of authorized dealers, we are available to assist you with installation, operation and maintenance. A-dec|W&H is your partner for the life of your practice.



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