



Handpiece Chronicle

Lunchtime Reading Compliments of *The Handpiece Surgeon*

Volume 1, Number 1

Bad Puns

- Two cannibals are eating a clown. One says to the other, "Does this taste funny to you?"

- Two TV antennas meet on a roof, fall in love and get married. The ceremony wasn't much, but the reception was excellent...

- An invisible man marries an invisible woman... The kids were nothing to look at either...

- Two termites walk into a bar. One asked, "Is the bar tender here?"

- A sandwich walks into a bar; the bartender says, "Sorry, we don't serve food here..."

- A jumper cable walks into a bar; the bartender says "OK I'll serve you, just don't start anything..."

Quotes

- "I told my psychiatrist that everyone hates me. He said I was being ridiculous - everyone hasn't met me yet."

- Rodney Dangerfield

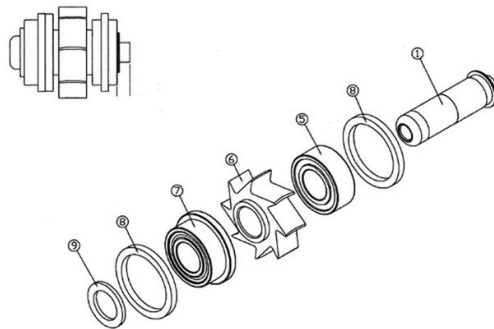
- "Have you ever noticed? Anybody going slower than you is an idiot, and anyone going faster than you is a maniac."

- George Carlin

Turbine 101

Why rebuild a turbine?

Today's high-speed handpieces use air-driven turbines to achieve speeds in excess of 400,000 revolutions per minute. These turbines typically consist of 4 major components: 1) Spindle/chuck assembly 2) Impeller 3) Bearings 4) O-rings.



When a turbine is built, you start with a cylindrical "spindle". The spindle contains either a manual "chuck" (which requires a bur tool) or an "auto chuck" which operates from a button on the head cap. The chuck (or collet) grips the bur when the handpiece is in operation. The second component, the "impeller", is pressed on to the center of the spindle/chuck assembly. The impeller catches the air passing through the handpiece spinning the turbine assembly.

Once the spindle/impeller assembly is complete, precision bearings are pressed into place on either side of the impeller to allow the turbine to spin. At this point all you add is a couple of o-rings (to seal and suspend the turbine) and your turbine is complete.

Here is the point: The spindle is typically the most expensive single part of your turbine, and easily out lasts the bearings and o-rings. So, replacing the bearings and o-rings on a turbine and reusing the spindle and impeller saves you money.

MK-dent now available



The Handpiece Surgeon is now an authorized dealer for MK-dent, Europe's premier handpiece value. MK-dent engineers and manufactures precision handpieces in Germany and brings them to the US for a fraction of what you pay for comparable European handpieces.

Find out more at www.handpiecesurgeon.com.

Auto-chuck tip saves \$\$



In an auto-chuck turbine spindle, a tiny internal spring-loaded collet holds the bur as you perform a

procedure. Flushing the inside of the spindle with an appropriate cleaner/lubricant can remove debris that otherwise may cause your chuck to fail and may extend the life of your spindle. Check your maintenance procedures and be sure your auto-chuck spindles are flushed on a weekly basis. One more thing - keep a bur or bur-blank in the chuck when ever possible. This too helps extend the life of your spindle.

Fly-hunting?

Not to be confused with fly-fishing.

A woman walked into the kitchen and noticed her husband stalking around with a fly swatter.

"What are you doing now?" she asked.

"Hunting flies honey!" he responded.

"Oh...are you killing any?" she asked.

"Yep, 3 males and 2 females." he replied.

Intrigued, she asked, "Well how can you tell?"

"3 were on a beer can, 2 were on the phone!"

(Ok well I thought this was funny)



Dental Humor

- A woman phoned her dentist when she received a huge bill. "I'm shocked!" she complained. "This is three times what you normally charge." "Yes, I know," said the dentist. "But you yelled so loud, you scared away two other patients."

- An elderly patient went to have her teeth checked. "Mrs. Hopgood, your teeth are good for the next 50 years." the dentist beamed. To which she said, "What will they do without me?"

George Carlinisms

- How come wrong numbers are never busy?

- Do people in Australia call the rest of the world 'up over'?

- Have you ever imagined a world with no hypothetical situations?

- Have you ever seen a toad on a toadstool?

- How can there be self-help 'groups'?

Look for a Handpiece Surgeon Field Medic in your area, or call today and we'll be right there!

The Handpiece Surgeon Redwood City, CA

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Word Search

Handpiece Terms

y	k	d	y	e	g	t	i	r	u	Handpiece
k	c	u	h	c	n	u	r	e	q	Surgeon
s	p	p	e	i	r	r	l	g		MKdent
t	n	a	c	i	r	b	u	l	n	Chuck
l	o	q	h	p	a	i	l	e	i	Bearing
b	e	m	k	d	e	n	t	p	r	Impeller
l	g	i	m	n	b	e	p	m	o	Lubricant
v	r	f	q	a	w	g	l	i	v	ORing
y	u	i	o	h	s	x	o	q	h	Spindle
a	s	p	i	n	d	l	e	a	c	Turbine

Solution at www.handpiecesurgeon.com

HEAR repair needs?



Repairing your handpieces when they begin to sound or feel funny can save you repair costs over

the long run. Since turbines can be rebuilt for less than they can be replaced, it makes sense to have a handpiece repaired as soon as you feel or hear a failure coming on. As bearings begin to fail, they may start to make noise. You may notice a vibration during operation. At this point, the impellers and spindles can typically be reused. If your handpiece bearings fail completely, the handpiece could run out of concentricity, and/or freeze up, causing damage to the impeller and or spindle.

Repair Tips

Remember to have your handpieces labeled with a note indicating what the problem is! "Bearings are noisy" or "Bur slips in chuck" or "Runs slow" etc. This helps to segregate the sick handpieces from the healthy handpieces, minimizing confusion in the office. In addition, labeling provides *The Handpiece Surgeon* with accurate problem statements, speeding the repair process and assuring the problem is fixed. Just write on the sterilization pouch!

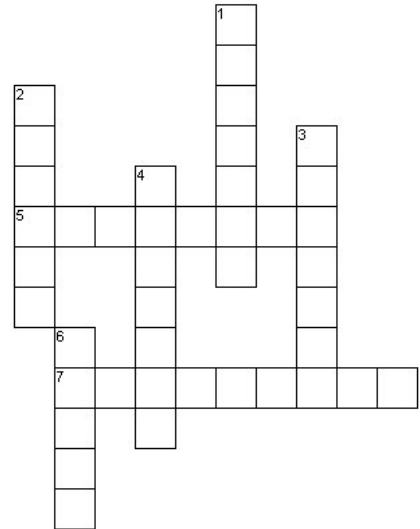
Did you know?

A Boeing 747's wingspan is longer than the Wright brother's first flight.

Cash for handpieces?

Most clinics have a "dead handpiece drawer" or handpieces that simply do not "fit" with the current office inventory. *The Handpiece Surgeon* may be interested in purchasing your used handpieces. We are most interested in Star 430SWL, and KaVo swivel type handpieces with optics. Give us a call, we will inspect your handpieces and provide you with a written offer.

High-speed Crossword



Across

- 5. Catches the air
- 7. A high-speed dental _____.

Down

- 1. The most expensive part of a turbine.
- 2. Suspends the turbine.
- 3. An air driven _____ spins fast.
- 4. Allows the turbine to spin.
- 6. Grips your bur.

MK-dent

Premium Lubricant



MK-dent cleans and lubricates in one step. MK-dent premium lubricant won't break down in the autoclave, so there is no need to

re-lubricate after the sterilization process. MK-dent lubricant comes in a 500ml aerosol. At \$29 this is an affordable way to simplify your handpiece maintenance.