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**Retail**

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**Catalog**

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ATHENA CHAMPION

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Thank you for your support of Athena Champion handpieces and accessories. Our 2005 catalog is designed to help your customers identify the Athena Champion products that best fit their practice needs. These prices are effective until December 31, 2005. A 15% surcharge will be assessed for all orders under \$30. Prices subject to change with 30 days notice. Our customer service department is available from 8 a.m. to 5 p.m. (Eastern Time).

### Telephone Numbers

Toll Free in the U.S./Canada ..... (800) 253-1771  
Domestic/International ..... (260) 373-1917

### 24-Hour FAX Numbers

Domestic ..... (800) 722-4460  
International ..... (260) 373-0395



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## HIGH SPEED HANDPIECES

- 350,000 RPM at 32 PSI.
- Autoclavable/chemiclavable.
- Well balanced with comfortable grip and weight.
- Office replaceable turbine.
- High-quality bearings for smooth and quiet operation with great tactile feel.

## AC5000

Standard Head with Bur Tool



AC5000-4S

AC5000-4S .....	4-hole connector .....	\$150.00
AC5000-2S .....	2-hole connector .....	\$150.00

Standard Head with Push Button Chucking



AC5000-4P .....	4-hole connector .....	\$219.00
AC5000-2P .....	2-hole connector .....	\$219.00

Miniature Head with Bur Tool



AC5000M-4S

AC5000M-4S .....	4-hole connector .....	\$169.00
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Miniature Head with Push Button Chucking



AC5000M-4P .....	4-hole connector .....	\$225.00
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## Fiber Optic



135985

135985 .....	Fiber Optic with Standard Push Button Head .....	\$375.00
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## HIGH SPEED HANDPIECES

### Press 'N' Swivel



134982

134982 .....	Push Button Head Handpiece & Swivel Connector .....	\$332.00
134981 .....	Push Button Handpiece without Swivel Connector .....	\$224.00
104002 .....	Swivel Connector Only .....	\$120.00

(Available in 4-hole connector only.)

### AC5000 Light Weight

(Weighs only 33 grams.)



AC5000LW-4S

AC5000LW-4S ....	Standard Head 4-Hole with Bur Tool .....	\$145.00
AC5000LW-4P ....	Push Button Standard Head 4-Hole .....	\$189.00
AC5000MLW-4P ..	Push Button Mini Head 4-hole .....	\$199.00

**FIBER-BRITE™ HANDPIECE ILLUMINATION SYSTEM**

- Modular bulb construction for easy replacement.
- High intensity light improves intraoral visibility and reduces eye strain.
- Compatible with all ISO-B 5-hole handpieces.
- Easily installs with flexible, light-weight aseptic tubing.
- One, two or three handpiece configurations.
- Available in 120VAC or 220VAC.
- Economical and easy bulb replacement.



20000	.... Fiber-Brite for 1 handpiece .....	\$250.00*
21000	.... Fiber-Brite 2 handpiece system (only 1 tubing, 1 lamp module) .....	\$385.00*
20010	.... Replacement power pack (1 handpiece system) .....	\$57.00
21010	.... Replacement power pack (2 handpiece system) .....	\$195.00
24000	.... Lamp replacement module .....	\$49.00
24010	.... 120V replacement power supply .....	\$31.00
24020	.... 220V replacement power supply .....	\$62.00

\* Systems do not include handpieces. Specify color and straight or coiled tubings. All prices quoted are 120VAC, add \$27 for 220VAC system.

## FIBER-BRITE™ TUBING



5'



23004

23000 .....	Straight gray Fiber-Brite tubing (see picture on page 6) .....	\$130.00
23004 .....	Straight beige Fiber-Brite tubing .....	\$130.00

## FIBER-BRITE™ FREQUENTLY ASKED QUESTIONS:

- Q. What is the voltage from the power supply (24010) to power pack (20010)?**
- A. 11 volts
- Q. What is the voltage from power pack (20010) to handpiece (135985)?**
- A. 3.5 – 3.7 volts, anything higher will cause premature lamp module failure
- Q. What if I cannot stabilize the voltage from the power supply (24010) to power pack (20010)?**
- A. Replace power pack
- Q. What if my lamp module (24000) consistently has premature failure?**
- A. Check voltage from power pack (20010) to handpiece (135985), it should read 3.5 volts. If voltage is more than 3.5 - 3.7 then replace power pack (20010).
- Q. How many holes/pins does tubing have?**
- A. 6

**LOW SPEED HANDPIECES****Little Guy™ Low Speed System**

- The #1 complete system for dentist and hygienist needs.
- Built-in straight attachment (reduces cost).
- Accepts "U"-style contra angles (latch and friction grip), disposable or metal prophy angles and straight handpiece burs.
- High torque at low air pressure.
- Reversible 0-5,000 RPM motor.
- Available with swivel quick-disconnect.
- Autoclavable/chemiclavable.

**Full Two Year Warranty • Made In USA**



55400 .....	Standard Little Guy with 4-hole connector .....	\$559.00
56401 .....	Little Guy with Quick- disconnect & swivel .....	\$610.00
56400 .....	Quick-disconnect connector only .....	\$99.00

*(All swivel and quick-disconnect connectors available in 4-hole only.)*

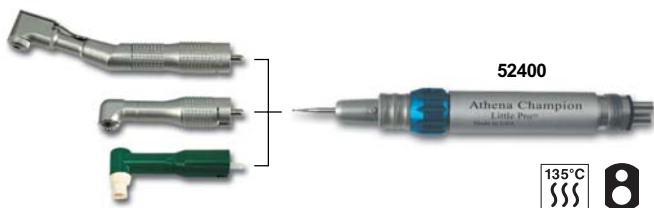


## LOW SPEED HANDPIECES

### Little Pro™ Hygiene Handpiece

- The ideal hygiene handpiece that converts easily to doctor needs.
- One of the shortest and versatile low speed handpieces on the market.
- Exceptional balance and feel with very low vibration.
- Swivel nosecone reduces tubing drag.
- Less hand and wrist fatigue.
- 0-5,000 RPM at 40–45 PSI, nonreversible.
- Accepts both disposable or metal prophylaxis angles, "U"-style contra angles (latch and friction grip), and straight handpiece burs.
- Autoclavable/chemiclavable.

**Full Two Year Warranty • Made In USA**



52400 ..... Little Pro non-reversing  
hygiene handpiece ..... \$460.00

"U" Style Contra Angles

To fit Little Guy Low Speed and other low speed nosecones with "U" configuration.



48000	..... "U" style contra angle with standard latch head (0-20,000 RPM)	..... \$30.00
48001	..... "U" style contra angle with ball bearing latch head (0-40,000 RPM)	..... \$83.00
48002	..... "U" style contra angle with standard friction grip head (0-20,000 RPM)	..... \$62.00

"U" Style Metal Prophy Angle



48010	..... "U" Style True Seal prophy angle, screw type	..... \$16.00
48010-6	... "U" Style True Seal prophy angle, screw type – 6 Pack	..... \$90.00
48011	..... "U" Style True Seal prophy angle, snap on type	..... \$25.00

## ELECTRIC HANDPIECES

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### EC 35K Electric Handpiece System

- "E" Type handpieces: Nosecones and contra angles with heads
- "U" Type handpieces: "U" style contra angles
- Variable speeds of 0 to 35,000 R.P.M.
- Silent, smooth
- No vibration for precise work
- Hand or foot (forward/reverse rotation)
- Air cooling system inside the handpiece for longer use
- Automatic overload protection with reset button
- No lubrication needed on "E" Type handpiece
- 1 year warranty
- Variable foot control speed



EC-35K ..... EC 35K Electric Handpiece System ..... \$525.00

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### Electric Handpieces

- 35,000 R.P.M. handpiece
- Handcap is made of stainless steel
- "U" Type included with system
- Twist type chuck release
- Nose tip accepts fixing angle
- Low vibration, very quiet
- EC-489 accepts all "E" Type attachments



EC-480 ... "U" Type Handpiece for Electric Motor .... \$240.00

EC-489 ... "E" Type Handpiece for Electric Motor .... \$247.00

## LOW SPEED MOTOR AND ATTACHMENTS

### 20K Elite™ "E" Type Low Speed Motor

- 20,000 RPM with adjustment ring for forward or reverse operation.
- Latch button for positive retention and release of "E" Type attachments.



40489 ..... 20K "E" Type motor, 4-hole ..... \$232.00

### Straight Attachments

- Models designed to fit all "E" type motors, Midwest Shorty, Rhino XP and Star Titan.
- Assembled with four ball bearings, stainless steel chuck and long life chucking mechanism.
- Available in 1:1 and 4:1 reduction speed ranges.
- Also available in several "E" motor systems. Call customer service at (800) 253-1771 for more information.

### Straight Attachments for 20K Elite Motor

42002



42002 ..... Elite 1:1 straight attachment ..... \$210.00

42004 ..... Elite 4:1 straight attachment ..... \$235.00

### Straight Attachments for Midwest & Star

49050



49060



49060 ..... Elite 1:1 straight attachment  
for Star Titan ..... \$210.00

49050 ..... Elite 1:1 straight attachment for  
Midwest Shorty & Rhino XP ..... \$210.00

49054 ..... Elite 4:1 straight attachment for  
Midwest Shorty & Rhino XP ..... \$235.00

## LOW SPEED MOTOR AND ATTACHMENTS

### Contra Angles for 20K "E" Type Motors

- Contra angle 12-tooth head configuration accepts a latch head, prophy head, etc. with same configuration. These heads are referred to as NSK/Japanese type.
- Long life stainless steel gears and four ball bearings.



135°C  
SSS

43001-12	.....	20K "E" type contra angle 1:1	.....	\$89.00
43004-12	.....	20K "E" type contra angle 4:1 reduction	.....	\$145.00
43016-12	.....	20K "E" type contra angle 16:1 reduction	.....	\$188.00
43064-12	.....	20K "E" type contra angle 64:1 reduction	.....	\$319.00

### Reduction Contra Angles for Midwest Shorty or Rhino XP

(The 14 tooth is designed to fit Midwest configured contra angle heads.)



135°C  
SSS

49070-14	.....	Midwest type contra angle 4:1 reduction	.....	\$182.00
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## LOW SPEED MOTOR AND ATTACHMENTS

## Replacement Heads to Fit Contra Angles

135°C  
SSS

44001-14	..... Latch type head to fit Midwest	
	14 tooth contra angle	\$62.00
44002-12	..... Latch type head to fit	
	12 tooth contra angle	\$62.00
44003-12	..... Mini latch head to fit	
	12 tooth contra angle	\$69.00
44010-12	..... Ball bearing latch head	
	to fit 12 tooth contra angle	\$93.00
44000-12	..... Ball bearing push button head	
	to fit 12 tooth contra angle	\$136.00
44020-12	..... 1/4 turn latch head for 12	
	tooth contra angle	\$109.00
44030-12	..... Friction grip head for 12	
	tooth contra angle with bur tool	\$62.00
44050-12	..... Screw type sealed prophyl angle	
	to fit 12 tooth contra angle	\$62.00
44051-12	..... Snap-on sealed prophyl angle	
	to fit 12 tooth contra angles	\$62.00
ST6000LH	..... Star Titan contra latch head	\$80.00
48040	..... Shaft gear replacement	\$16.00

(All heads listed above are available in 14 tooth configuration at same price, please call customer service for part number.)

## LOW SPEED MOTOR AND ATTACHMENTS

### "E" Type Contra Angles with Heads

135°C  
 SSS



45001-12 .....	1:1 "E" type contra angle with deluxe latch head .....	\$150.00
45002-12 .....	1:1 "E" type contra angle with ball bearing latch head .....	\$182.00
45020-12 .....	4:1 "E" type contra angle with deluxe latch head .....	\$208.00
45021-12 .....	4:1 "E" type contra angle with ball bearing latch head .....	\$240.00

### MAGICIAN BURS

- Designed for removing old crowns, amalgams, precious metals, semiprecious metals, and non-precious alloys (including chrome cobalt).
- Friction grip only; with double diagonal blade construction to cut metal smooth, fast, and efficiently.



80033 ... One Each of Three Types .....	\$21.00
80001 ... Three Each of HM21RX010 (1557 type) ....	\$21.00
80011 ... Three Each of HM21RX012 (1558 type) ....	\$21.00
80021 ... Three each of HM23RX-12 (1701 type) .....	\$21.00

ATHENA CHAMPION™

# HIGH SPEED REPLACEMENT CARTRIDGES AND OTHER ACCESSORIES

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## Replacement Cartridges for Athena Champion Handpieces

- Autoclavable/chemiclavable.
- Easy chairside replacement.\*
- Standard or mini head, push button or bur tool.

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## AC5000 and Athena Champion Cartridges



60900	.....	Standard head bur tooled cartridge	.....	\$68.00
60701	.....	Standard head push button cartridge without cap	.....	\$110.00
60980	.....	Standard head push button cartridge with cap	.....	\$133.00
60905	.....	Mini head bur tooled cartridge	.....	\$68.00
60906	.....	Mini head push button cartridge without cap	.....	\$110.00
62987	.....	Mini head push button cartridge with cap	.....	\$135.00

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## Canister Cartridge for AC5000 and Similar Japanese Handpieces



61900	.....	Standard head bur tooled canister*	.....	\$68.00
61902	.....	Standard head push button canister* without cap	.....	\$110.00
61980	.....	Standard head push button canister* with cap	.....	\$133.00
62900	.....	Mini head bur tooled canister*	.....	\$68.00
62901	.....	Mini head push button canister* without cap	.....	\$110.00
62997	.....	Mini head push button canister* with cap	.....	\$135.00

*(Above canister cartridges can be retro-fitted to AC5000 handpiece.)*



## HIGH SPEED REPLACEMENT CARTRIDGES AND OTHER ACCESSORIES

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**Athena Champion Caps, Cap Wrenches, Chucks, & Bur  
Tools for AC5000, AC4000, Champ-Air and Similar  
Japanese Handpieces**



69000	..... Standard & mini head cap .....	\$16.00
69015	..... Standard & mini head push button head cap .....	\$27.00
69050	..... Standard & mini head cap wrench .....	\$6.00
69065	..... Standard & mini head push button cap wrench .....	\$6.00
67000	..... Standard head chuck .....	\$16.00
67010	..... Mini head chuck .....	\$16.00
68010	..... Universal standard & mini head metal bur tool/wrench .....	\$16.00

ATHENA CHAMPION™

REPLACEMENT TURBINES/CARTRIDGES FOR MIDWEST,  
STAR, KAVO AND OTHER ACCESSORIES  
MANUFACTURED BY ATHENA CHAMPION

- Autoclavable/chemiclavable.
- All replacement cartridges carry six (6) month warranty.

Athena Champion Replacement Cartridges for  
Midwest Quiet-Air, Quiet-Air Insight, Tradition

135°C

SSS

			
78000	70950	78010	79010
70950	Quiet-Air standard & fiber optic turbine (includes cap & wrench) ..... \$114.00		
70903	Quiet-Air Lever turbine ..... \$155.00		
77000	Metal chuck for Quiet-Air standard ..... \$20.00		
78000	Bur tool for Quiet-Air standard ..... \$16.00		
79010	Cap wrench (to remove cartridge) ..... \$11.00		
71950	Tradition standard & fiber optic turbine (includes cap & wrench) ..... \$124.00		
71903	Tradition Lever turbine ..... \$155.00		
71960	Push Button Midwest Tradition/XGT turbine without cap ..... \$174.00		
69100	Tradition Push Button Cap ..... \$41.00		
69110	XGT Push Button Cap ..... \$41.00		
77001	Metal chuck for Tradition standard cartridge ..... \$20.00		
78010	Bur tool for Tradition standard ..... \$20.00		

(Quiet-Air, Quiet-Air L, In-sight, Tradition, Tradition L, & Midwest  
 8000, 8000i are trademarks of DENTSPLY Midwest.)

Continued on Next Page

## REPLACEMENT TURBINES/CARTRIDGES FOR MIDWEST, STAR, KAVO AND OTHER MANUFACTURED BY ATHENA CHAMPION

### Athena Champion Replacement Cartridges for Star 430 Series and Vista



73900	Star 430 standard	\$124.00
73903	Star 430 push button (stainless steel bearings)	\$167.00
73903-MF	Star 430 push button with maintenance free bearings	\$220.00
77010	Metal chuck for Star 430 standard	\$20.00

*(Star, Vista, and Concentrix are registered trademarks for DEN-TAL-EZ.)*

### Athena Champion Replacement Cartridges and cap wrench for KaVo



74900	74910	74911	74912	74914
74900	KaVo 630, 640			\$179.00
74910	KaVo 650			\$179.00
74911	KaVo 635			\$179.00
74912	KaVo 647, 649			\$179.00
74914	KaVo 632, 634, 642, 643			
	Bella Torq 625			\$179.00
58000	KaVo cap wrench, push button			\$13.00

### Athena Champion Replacement Cartridges for Healthco Push "N" Swivel



74904	Healthco Push "N" Swivel	\$152.00
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LUBRICANTS AND CLEANERS

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**Champ-Lube™ 20 Plus**

- High temperature lubricant designed to withstand autoclaving/sterilization.
- Safe, nontoxic formula ensures long bearing life by reducing friction.
- Micro dispensing needle tip, non-aerosol spray for chairside use.



30010  
30015

30001  
30003  
30005

30001 .....	Champ-Lube 20+ pen oiler	
	.25 oz. tube .....	\$11.00
30003 .....	Champ-Lube 20+ pen oiler	
	6-pack, .25 oz. tubes .....	\$63.00
30005 .....	Champ-Lube 20+ pen oiler	
	50 pack, .25 oz. tubes .....	\$415.00
30010 .....	Champ-Lube 20+ .5 oz. bottle	
	2 pack .....	\$40.00
30015 .....	Champ-Lube 20+ .5 oz. bottle	
	4 pack .....	\$72.00

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**Clave-N-Spray™ and Euro Spray™**

- Use as cleaner and lubricant before and after sterilization (two can set color code for before and after).
- Euro Spray lubricant refill for European handpieces (such as Kavo), turbines and motors. Kavo adaptor snaps on for easy use on Kavo handpieces or similar connectors.

31000 .....	Clave-N-Spray cleaner/ lubricant, 2 – 8.8 ounce can set .....	\$18.00
31020 .....	Euro Spray cleaner/lubricant 11.7 ounce can .....	\$18.00

## ADAPTERS AND GASKETS

### Adapters



79061



79060

79060	Adapter for 2- or 3-hole handpiece to 4-hole connector/tubing .....	\$48.00
79061	Adapter for 4-hole handpiece to 2-hole connector/tubing .....	\$48.00
79062	Adapter for 4-hole handpiece to 3-hole connector/tubing .....	\$48.00

### Gaskets for Handpieces

- Made with high quality fluoro silicone to withstand the heat of the autoclave.



79004



79000



79006



57400

79006	5-hole gasket .....	\$2.25
79008	5-hole gasket bulk bag of 25 .....	\$46.00
79004	4-hole gasket .....	\$2.25
79005	4-hole gasket bulk bag of 25 .....	\$46.00
79000	2/3-hole gasket .....	\$2.25
79001	2/3-hole gasket bulk bag of 25 .....	\$46.00
57400	4-hole gasket to fit Little Guy, Little Pro and 20K "E" type motor .....	\$2.25

## ATHENA CHAMPION REPAIR SERVICES

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- Athena Champion in-house repair service specializes in repairing all manufacturers high and low speed handpieces.
  - Repairs are completed and shipped within 48 hours from receipt of handpiece.
  - Toll free number (800) 253-1771.
  - All types of repairs are performed and replacement parts are Autoclavable/chemiclavable.
  - See Customer Information for warranties.
  - Athena Champion is presently one of the oldest repair centers in the USA .
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### Warranty on Repairs

- High/low speed handpieces, contra angles and nosecones: **6 months**
  - Air scalers and latchheads: **4 months**
- 

### Free Estimates

For free repair shipping box, please fax your request to (800) 722-4460 or ship handpiece to (include your dental dealer preference):

Athena Champion  
2621 Corrinado Court  
Fort Wayne, IN 46808

- Athena Champion high speed handpiece repair ..... \$69.90
- High speed handpieces with conventional chucking system ..... \$85.00
- High speed handpieces with autochuck (push button, lever, etc.) ..... \$98.90
- High speed adjust, clean, oil and test ..... \$35.00
- Nosecone and contra angle rebuild ..... \$69.00
- Low speed overhaul ..... \$175.00
- Low speed adjust, clean, oil and test ..... \$49.00
- Nosecone and contra angle clean, oil and test ..... \$35.00
- Re-thread low speed handpiece connector ..... \$65.00
- Convert Little Guy coastal connector to Midwest connector ..... \$65.00
- Convert Little Guy to quick disconnect ..... \$115.00
- Air scaler repair ..... \$125.00
- Air Scaler repair/replace spindle ..... \$240.00

*Call (800) 253-1771 to check on the status of a handpiece repair.*

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## CUSTOMER INFORMATION & WARRANTIES

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- Before operating the handpiece and/or component, always carefully read and follow the manufacturer's instructions for use. These are the procedures the manufacturer recommends for the best performance of the instrument.
- The air pressure should not exceed 32 PSI for high speed handpieces and 45 PSI for low speed handpieces.
- Use only bur changing tools supplied with the handpiece.

### Marketing Policy

Athena Champion products are sold through full service dealers only, authorized repair centers and teaching institutions.

### Warranties

Athena Champion warrants its products to the original purchaser against defective workmanship and materials under normal installation, use and service. Unless specifically noted, warranties are as follows:

**Two Years:** Little Guy and Little Pro low speed handpieces.

**One Year:** "E" style low speed motors, all low speed contra angles, all low speed nosecones/straight attachments, and Fiber-Brite Systems.

**Six (6) Months:** All high speed handpieces, high speed replacement cartridges, contra angle heads and standard "U" style attachments.

Warranty applies from date of invoice to end user. All warranty claims must be sent to Athena Champion for evaluation. Warranty claims are limited to replacement or repair at the option of Athena Champion. No other written or implied warranty exists including warranty of merchantability or warranty of fitness.

### Return Policy

Prior to returning a product, an RA number must be issued by Athena Champion. Returned product is subject to a 15% restocking fee. Piece parts are not returnable. Call customer service at (800) 253-1771 for complete Return Policy information.

### Force Majeure

Athena Champion will not be liable for failure to perform on any contract or to supply products due to strikes, acts of God, interruptions in transportation, inability to obtain supplies of raw materials, product shortage, or causes beyond our control.

Athena Champion is a specialized distributor of handpieces, turbines, replacement parts, burs, chemicals, accessories and related products. All parts and accessories are manufactured to meet or exceed OEM specifications. For quality, service and price, specify Athena Champion.

# ATHENA CHAMPION™

2621 Corrinado Court • Fort Wayne, IN 46808  
(800) 253-1771 • (260) 373-1917 • FAX (260) 373-0395