



# **Digital Lab Supplies & Equipment**



# PSI Digital Supplies & Equipment

PSI was established on the long tradition of providing new and “Practical Systems” to optical labs over 40 years ago. In 1971, company founder, Bill Hernandez, introduced labs to the first Aluma-Lap. These new, lighter weight laps replaced the existing heavy cast iron laps that were causing lab equipment to wear out prematurely. We have continued that tradition to find better and more efficient ways for labs to operate over the years and are continuing that tradition with products to help improve digital lens processing. Below are products that have been proven to work in the digital process.



## Milling Disks & Diamonds

PSI offers milling cutters and 2mm diamonds for digital machinery. The milling disks are available for both VFT and HSK style machines. They last 50,000 cuts and can be retrued once more for an additional 50,000. The 2mm diamonds are made of Clear Choice™ diamonds that are clear high quality diamond not a yellow material. These last 4,000 cuts and last up to 12 retrues for the lowest cost per cut available.



3340P

3340G

## Polish

### Free-Form AR Plastic Polish

Designed for free-form / digital polishing, Free-Form AR can be used for both conventional lens processing and digital. It has been designed for superior surface quality on CR-39, High Index, Polycarbonate and all other types of plastic lens materials. Production proven to last up to 4 weeks.

Baumé: 22-24°; pH: 3.5 - 3.8; Particle Size (D50): 1.3 - 1.8µ

Part # 3340G - gallon; 3340P - 5-gallon pail



3320P

3320G

### Americal Plus

PSI has successfully offered Americal Plus for conventional polishers for many years and is now recommending it for use in digital / free-form polishers.

Baumé: 25-30°; pH: 3.0 - 4.2; Particle Size (D50): 1.8 - 2.3µ

Part #3320G - gallon; 3320P - 5-gallon pail



## Ancillary Equipment

### Central Slurry System & Chiller

PSI's new 915 and redesigned 913 Central Slurry Systems consolidate polish slurry for both conventional and digital polishing machines. New tank baffle provides better polish flow while the new stainless steel cooling coil provides long-term durability against corrosion. The 913, with 11 gallon reservoir, is production proven to accommodate up to 3 CCP digital machines while maintaining OEM recommended flow rates. The 915 has a 23 gallon tank. When connected to a PSI 985 chiller these units provide optimum chilling action and slurry temperature maintenance for any lab.

## Digi-Laps™ Polishing Tools

The Digi-Lap Series of polishing tools are revolutionary soft laps for free-form / digital polishing. Digi-Lap polishing tools are flexible, durable, high performance tools that offer extended life. PSI offers three designs:

**Digi-Flex I/A** for i-Flex and Auto-Flex machines

**Digi-OMax** first step all materials tool for the CCP Swift, CCP102 & CCP103 machines

**Digi-BMax** second step tool for polycarbonate and Trivex for the CCP Swift, CCP102 & CCP103 machines

### Digi-Flex I/A - for i-FLEX and Auto-Flex

- Our Digi-Flex I/A design conforms to all curves for superior performance
- Durable polishing tools for free-form generating, last up to 40 lenses
- Made of compressible foam sandwiched between a rugged plastic base and a high-performance polishing material



Part #	Description	Curve	Package		Part #	Description	Curve	Package	
			Qty					Qty	
DL-SL-0	Digi-Flex I/A	0	10		DL-SL-8	Digi-Flex I/A	8	10	
DL-SL-1	Digi-Flex I/A	1	10		DL-SL-9	Digi-Flex I/A	9	10	
DL-SL-2	Digi-Flex I/A	2	10		DL-SL-10	Digi-Flex I/A	10	10	
DL-SL-3	Digi-Flex I/A	3	10		DL-SL-11	Digi-Flex I/A	11	10	
DL-SL-4	Digi-Flex I/A	4	10		DL-SL-12	Digi-Flex I/A	12	10	
DL-SL-5	Digi-Flex I/A	5	10		DL-SL-13	Digi-Flex I/A	13	10	
DL-SL-6	Digi-Flex I/A	6	10		DL-SL-14	Digi-Flex I/A	14	10	
DL-SL-7	Digi-Flex I/A	7	10						

### Digi-Laps - for CCP Swift, CCP 102 & CCP 103

#### Digi-OMax (Orange Top)

- Designed for maximum output per tool, production proven to last 9,000 - 12,000 seconds with optimum results
- More accurate, improved mapping quality
- Smoother peak to valley surface quality
- Greater stock removal
- Excellent resistance to sharp edge lenses
- Sturdy polyurethane withstands breakdown from polish



#### Digi-BMax (Black Top)

- Digi-BMax 2nd step black topped tools for polycarbonate and Trivex last +/- 2,000 seconds with optimum results
- Same features as Digi-OMax listed above

Part #	Lens Description	Base Material	Color	Package	
				Curve	Qty
DL-SCH-B	Digi-OMax, 1st step	All Materials	Blue	75	10
DL-SCH-R	Digi-OMax, 1st step	All Materials	Red	150	10
DL-SCH-G	Digi-OMax, 1st step	All Materials	Gray	600	10
DL-SCH-BT	Digi-OMax, 1st step, top hat	All Materials	Blue	75	10
DL-SCH-RT	Digi-OMax, 1st step, top hat	All Materials	Red	150	10
DL-SCH-GT	Digi-OMax, 1st step, top hat	All Materials	Gray	600	10
DL-SCH-B2	Digi-BMax, 2nd step	Poly/Trivex	Blue	75	10
DL-SCH-R2	Digi-BMax, 2nd step	Poly/Trivex	Red	150	10
DL-SCH-G2	Digi-BMax, 2nd step	Poly/Trivex	Gray	600	10



# PSI Digital Supplies & Equipment



## Supplies

### Digital Job Trays

Heavy duty, stackable job trays are compatible with all other digital trays on the market. Available in white and orange which is ideal for identifying rush jobs.



### Alloy

Made from premium grade materials, PSI's So-Lo Alloy offers consistent quality and dependable performance. Offered in cadmium free and low lead version as well as **cadmium and lead free** bars that offer a preventative solution to all human exposure risks and environmental issues that other alloys don't offer.



### EZ LenSaver Tape

Linerless tape that makes taping EZ. EZ LenSaver Tape offers double the tape on every roll (72 yds) and will fit in manual and automatic tapers with ease offering 50% fewer change outs. It is easy to remove but bonds securely and has no liner waste. Better color contrast with the blue and green makes it easier to view progressive markings. Part #1005LL- green or 1007LL - blue.



## Coolants

**Dry Coolant** - Highly stable, freeze dried generator and edger coolant that keeps lines clear. Production proven in digital systems with an indefinite shelf life, low shipping and storage costs. 1 jar makes up to 100 gallons. Part #1575 - 1 lb.

**BioCool** - Fresh smelling, biodegradable and non-toxic coolant. Helps prevent rusting of equipment, provides superior lubricity and resists bacterial growth. Part #1500P - 5-gallon pail

**PractiCool** - Fully synthetic, water based coolant designed specifically for the optical industry. Contains a special polymeric additive to provide rapid swarf settling. Non-foaming, non-toxic, non-irritating, pleasant smelling and biodegradable. Part #1600G - 1 gallon; 1600P - 5 gallon pail



## Reusable Bags

Reusable coolant tank bags with quality materials and finished edges so they last a long time. Part #: RB-VFT - bag for VFT-Micro Digital machines, 200µ; RB-SPRINT - bag for Sprint machines, 150µ



## Automatic Surface Tape Applicator (ASTA)

The ASTA is one of our most popular pieces of equipment. It lowers costs, increases productivity, reduces spoilage and increases profits. Ideal for a lab looking to reduce carpal tunnel syndrome. The ASTA can tape up to 300 pair of lenses an hour. Available with carbide cutter blades or hot knife.



## ASTA Handling System

This fully automated system incorporates the ASTA to apply protective tape to semi-finished lenses. Job trays are transported automatically via a conveyor belt. Robotics pick up the lenses and place them in the ASTA to be taped and put them back in the tray when it is finished.



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