

**FUSE, SAFETY (1.4S)**

Stocked in 25 ft coils, up to 200 ft coils in random lengths available. All fuse can be cut and punched to your custom lengths. \$10.00 per run setup charge plus approximately \$.015 per piece cutting charge. Longest we can cut is 4" long. Burn Time is approximately 1 sec per 1/4". 1/4" OD Time Fuse (AMERICAN) per case- 300 feet, per ft. ....\$ 1.10

**NOTE: Punch a hole in the middle of the time fuse and cross match, then squeeze tight to merge the powder core and cross match. Cross match all time fuse with "bare black match" for positive ignition.**

**VISCO, SAFETY (1.4S)**

3/32 FU30-2 Fuse, Safety 20 Ft. per Roll .....\$ 3.30  
 3/32" OD Red or Green Visco Time Fuse (USA) per 100 foot...\$ 27.50  
 3/32" FAST Visco Fuse 3.7 sec/ft 325 ft roll LD087 .....\$ 65.00

**SHELL INSERTS**

Made in the USA! Our own factory pressed inserts using our own pyrotechnic compositions. Sold in lots of 100 only! Priced per insert. Available in trays for ease in handling. Add \$ 0.03 per insert. All inserts can also be made in Gold! Prices vary with burn time and requirements.

**HUMMERS (1.4G)**

Our extra loud & bright silver hummers with an approximate burn time of 2 to 3 seconds. 1 1/4" OD x 1" long with 5/32" fuse hole drilled in side. Hummer < 3,000 .....\$ 0.40 3,000 + .....\$ 0.34

**SILVER SERPENTS, SMALL (1.4G)**

Silver titanium serpents with an approximate burn time of 2 to 4 seconds. 9/16" OD x either 2 1/2" long or 3" long with 1/8" fuse hole. Silver Serpents, Small < 3,000 .....\$ 0.43 3,000 + .....\$ 0.38

**SILVER SERPENTS, LARGE (1.4G)**

Silver titanium serpents with an approximate burn time of 3 to 5 seconds. 3/4" OD x 3" long with 5/32" fuse hole. Silver Serpents, Large < 3,000 .....\$ 0.44 3,000 + .....\$ 0.39

**SILVER TOURBILLIONS, LARGE (1.4G)**

Our famous silver titanium tourbillions with an approximate burn time of 3 to 5 seconds. 3/4" OD x 3" long with 5/32" fuse hole. Silver Tourbillions < 3,000 .....\$ 0.45 3,000 + .....\$ 0.40

**SILVER WHISTLES, SMALL (1.4G)**

Our extra loud and bright silver titanium whistles with an approximate burn time of 2 to 5 seconds. 9/16" OD x either 2 1/2", or 3" long. Silver Whistles < 3,000.....\$ 0.45 3,000+.....\$ 0.42

**SILVER WHISTLES, LARGE (1.4G)**

Our extra loud and bright silver titanium whistles with an approximate burn time of 2 to 5 seconds. 3/4" OD x 3" long. Silver Whistles < 3,000.....\$ 0.49 3,000+.....\$ 0.44

**LOW SMOKE INDOOR /PROXIMATE**

**SILVER OR GOLD WHISTLES (1.4G)**

The loudest silver or gold whistles with approximately 8' to 10' spray that can be used for indoor or proximate show venues. Different times and spray are available. Call for quotes. Size 3/4" OD x 3" or 4 1/2" long. The price is each in lots of 100. Silver Whistles < 1,000.....\$ 3.50 1,000+.....\$ 3.00

**We manufacture some of the best Indoor Whistles and Gerbs anywhere!**

**SILVER OR GOLD GERBS "INDOOR" (1.4G)**

The BEST made gerb with precise burn times and constant spray height. Different times and heights available. Call for a quote. Size 3/4" OD x 3" long can be made up to 4.5" long. The price is each in lots of 100. Gerbs < 1,000.....\$ 2.75 Prices vary with burn time Indoor GOLD 1/2" x 3" long GG/WD, GG/WD2ID 1/2" ID X 4 1/2" long Indoor SILVER 1/2" id x 3" long GS/WD1ID, GS/WD2ID 1/2" X 4 1/2" long

**CLOSE PROXIMITY FOUNTAINS (1.3G)**

Impressive low smoke fountains for fronts! Made in China 1.5LDC004 Silver or 1.5LDC058A Silver, 1 1/2" Single Big Silver Fountain 24/case, ea.....\$ 9.90 2LDC001 or W4402 2" Silver Low smoke Fountain ea ....\$ 15.40 W4401 2" Gold Ea. \$14.00, or Case of 18.....\$277.20

**We now are an authorized dealer for Luna Tech, Inc., manufacturer of Pyro-Pak™**

**PYRO PAK™ INDOOR FIREWORKS.**

Regular Flash Powder, oz. ....\$ 8.80  
 Low Smoke Flash Powder, oz.....\$ 8.80  
 Slow Sparkle Flash Powder, oz.....\$ 8.80  
 Fast Sparkle Flash Powder, oz. ....\$ 8.80  
 Concussion Flash Powder, oz. ....\$ 9.08  
 Airburst (Regular Silver) Flash Powder, oz .....\$ 12.38  
 High Altitude Airburst Flash Powder, oz.....\$ 12.38  
 Flash Paper, envelope of 4 sheets (9" x 8.5").....\$ 7.15  
 1/2 Sec. x 12 ft. Silver Gerb, ea.....\$ 7.98  
 8 Sec. x 8 ft. Silver or Gold Gerb, ea .....\$ 9.35  
 10 Sec. x 12 ft. Silver or Gold Gerb, ea .....\$ 9.35

**We have many more Indoor products available! Just call and ask!**

**SUPPLIES**

We stock a wide variety of paper, tubes and supplies for all types, kinds and styles of fireworks. If you do not see it listed here, please call!

**FLAX TWINE**

For tying jobs of all types: Made in Italy. 3 Ply Brown in color 1/2 lb. Ball .....\$ 13.20 Roll

**JUTE YARN**

Approximately 2 1/2# Roll.....\$ 13.20 Roll

**EAR PLUGS**

2 special made sound absorbing foam ear plugs on a plastic cord. Reusable, washable & one size fits all. Set.....\$ 2.75

**KRAFT GUMMED PAPER TAPE**

Used for Wrapping and finishing Spherical or Ball Shells. Used also for finishing Canister shells. Can be used for making Hard high quality tubes. It has many uses in the pyrotechnic manufacture and assembly field.

35# 1" wide x 500 ft long per roll .....\$ 4.95  
 35# 1 1/4" wide 500 ft per roll .....\$ 7.15  
 35# 1 1/2" wide 500 ft per roll .....\$ 7.98  
 35# 1" wide 3000 ft per roll .....\$ 29.70  
 35# 1 1/4" wide 3000 ft per roll .....\$ 42.90  
 35# 1 1/2" wide 3000 ft per roll .....\$ 47.85  
 60# 1" wide 3000 ft per roll .....\$ 30.53  
 60# 1 1/4" wide 3000 ft per roll .....\$ 37.95  
 60# 1 1/2" wide 1000 ft per roll .....\$ 13.25  
 60# 1 1/2" wide 3000 ft per roll .....\$ 43.73

**PLACARDS & SHIPPING LABELS**

1.4G or 1.3G Placards 10¾" x 10¾" plastic coated. *Each* .....\$ 4.00  
 1.4G or 1.3G Labels 4" x 4". *Each*.....\$ 0.40

**PLASTIC AERIAL SHELL & CANDLE BOMBETTE PARTS**

High quality polystyrene plastic made in the USA! Assemble with inserts & break charge, glue in time fuse, glue together, add crossmatch, leader & lift.  
**#243**..30mm Bombette tube & lid w/¼" hole Plastic Casing *per 50*.\$ 21.00  
**#27**..7/8" Sphere w/hole for **VISCO FUSE Hole Size** *per 100*...\$ 22.00\*\*  
**#228 & #229**..1 5/8" Sphere w/¼" hole Plastic Casing *per 100* ...\$ 40.00  
**#241 & #254** . 1 3/4" Cyl. w/¼" hole Plastic Casing *per 30*.....\$ 25.00  
**#249 & #251** . 1 15/16" Cyl. w/¼" hole Plastic Casing *per 25*....\$ 15.00  
**#2 1/8"** Sphere hole is for **VISCO FUSE Hole Size** *per 25*.....\$ 17.00\*\*  
**#29 & #29000** . 2 ¼" Sphere w/1/4" hole Casing *per 50* .....\$ 27.00  
**#26 & #247** . 2 ½" Cyl. w/¼" hole Plastic Casing *per 30*.....\$ 33.00  
**#300 & #301** . 3" Sphere w/¼" hole Plastic Casing *per 50* .....\$ 24.00  
**#316 & #315** . 4" Sphere w/¼" hole Plastic Casing *per 20* .....\$ 31.00  
**#326 & #325** . 5" Sphere w/¼" hole Plastic Casing *per 10* .....\$ 19.00  
**#0520** . 6" Sphere w/¼" hole Plastic Casing *per 10*.....\$ 29.00  
**#124** . 8" Sphere w/¼" hole Plastic Casing *per 1*.....\$ 11.00  
**NOTE:** The ¼" hole will accommodate ¼" OD American made time fuse.

**PAPER TUBES FOR SERPENTS , WHISTLES, GERBS, WHEEL DRIVERS , ROCKETS, TOURBILLIONS & FOUNTAINS**

Made in the USA! Custom convolute wound tubes made from special hard paper and adhesives. The best anywhere!

**TUB5** 0.25" ID (0.4375" OD) x 1.55" Red Spolette Tubes *per 100*.....\$14.00  
**TUB11** 5/16" ID (1/2" OD) x 2" long.....*per 100*.....\$16.00  
**TUB1** 0.3700" ID (0.500" OD) x 2.25" Spolette Tubes *per 100* .....\$13.00  
**TUB29** 3/8" ID (0.60" OD) x 2 ½" long .....*per 100* .....\$20.00  
**92-65** 3/8" ID (9/16" OD) x 3" Serpent or Whistle Tubes *per 100* .....\$22.00  
**TUB3** 0.4062" ID (0.687" OD) x 2.75" Spolette Tubes *per 100* .....\$20.00  
**92-09A** 1/2" ID (1 1/8" OD) x 1" Hummer Tubes *per 100*.....\$12.00  
**92-66** 1/2" ID (3/4" OD) x 3" Tourbillion or Whistle Tubes *per 100*....\$21.00  
**92-5245** 1/2" ID (.690" OD) x 4 1/2" Serpentor/WheelTubes *per 100* ... \$33.00  
**93-7519** 3/4" ID (1 1/4" OD) x 9" Gerb or Rocket Tubes *per 50* .....\$45.00  
**TUB14** 7/8" ID x 1 7/16" OD x 10" Long Gerb Or Rocker 20 .....\$14.00  
**TUB15** 1" ID x 1 ½" OD x 5 ½" Long Gerb Or Rocker 25.....\$18.00  
**TUB9** 1" ID x 1 ½" OD x 6" Long Gerb/Rocket tube *per 25*.....\$18.00  
**93-11510** 1" ID (1 1/2" OD) x 10" Gerb or Rocket Tubes *per 20* ..... \$29.00  
**93-125212** 1 1/4" ID (1.7" OD) x 12" RocketorFountainTubes *per 12* \$22.00

**LANCE TUBES & COLORED WRAPPED**

5 Colors, Red, White, Blue, Yellow, & Green: 1 end spun closed  
 Bags of 100 pc. **Some tubes have wax.** **TUB LAN + color**  
 4.3125" LG x .345" ID x .350" OD 1/2lb - bag of 100 tubes .....\$ 20.00

**We have the BEST prices  
 on fiberglass mortars in the industry!**

**\* NEW \* FIBERGLASS MORTARS**

Custom made to our specifications with thick reinforced bottom plugs and muzzle openings. Mortar ID is *marked* on each mortar. Listed by mortar ID and over-all length. All prices are *per* mortar.

2" x 14.25 Fiberglass mortar 0.7 lb **FB2** .....\$ 3.30  
 2 ½" x 15.82 Fiberglass mortar 1.4 lb **FB2.5** .....\$ 4.68  
 3" x 17.78 Fiberglass mortar 1.8 lb **FB3** .....\$ 8.28  
 4" x 21.75 Fiberglass mortar 3.4 lb **FB4** .....\$ 14.58  
 5" x 31.62 Fiberglass mortar 6.2 lb **FB5** .....\$ 22.32  
 6" x 35.58 Fiberglass mortar 9.2 lb **FB6** .....\$ 29.19  
 8" x 43.48 Fiberglass mortar 17.9 lb **FB8** .....\$ 58.35  
 10" x 47.44 Fiberglass mortar 35 lb **FB10**.....\$ 67.20  
 12" x 51.39 Fiberglass mortar 45lb **FB12**.....\$ 83.40  
 16" x 63.25 Fiberglass mortar **FB16** .....\$374.00

We do stock **HDPE Mortars** also, please call for pricing.

**TUBES, CASINGS & DISCS**

**DISCS FOR AERIAL SHELLS**

Made in the USA! Paperboard discs for shells are 1/8" (120 Point) thick.  
*Discs are grouped and priced per size disc within each group!*

|     |                           |            |          |
|-----|---------------------------|------------|----------|
| D01 | 2 ½" Plain                | 10.....    | \$ 1.50  |
| D02 | 2 ½" w/¼" hole            | 100.....   | \$ 12.00 |
| D03 | 2 ½" w/3/8" hole          | 500.....   | \$ 50.00 |
| D04 | 2 ½" w/11/16" hole        | 1,000..... | \$ 90.00 |
| D05 | 2 5/8" Plain or w/¼" hole |            |          |
| D07 | 3 ½" Plain                | 10.....    | \$ 2.00  |
| D08 | 3 ½" w/¼" hole            | 100.....   | \$ 16.00 |
| D09 | 3 ½" w/3/8" hole          | 500.....   | \$ 75.00 |
| D10 | 3 ½" w/11/16" hole        | 1,000..... | \$135.00 |
| D11 | 3 5/8" Plain              |            |          |
| D12 | 3 5/8" w/¼" hole          |            |          |
| D13 | 4 ½" Plain                | 10.....    | \$ 3.00  |
| D14 | 4 ½" w/¼" hole            | 100.....   | \$ 28.00 |
| D15 | 4 ½" w/3/8" hole          | 500.....   | \$130.00 |
| D16 | 4 ½" w/½" hole            |            |          |
| D17 | 4 ½" w/11/16" hole        |            |          |
| D18 | 5 ½" Plain                | 10.....    | \$ 4.00  |
| D19 | 5 ½" w/3/8" hole          | 100.....   | \$ 36.00 |
| D20 | 5 ½" w/11/16" hole        | 500.....   | \$160.00 |
| D21 | 6 ¼" Plain                | 10.....    | \$ 6.00  |
| D22 | 6 ¼" w/5/8" hole          | 100.....   | \$ 50.00 |
| D23 | 7 ¼" Plain                | 10.....    | \$ 7.00  |
| D24 | 7 ¼" w/5/8" hole          | 100.....   | \$ 60.00 |
| D25 | 9" Plain                  | 10.....    | \$ 8.00  |
| D26 | 9" w/5/8" hole            | 100.....   | \$ 70.00 |

Many other sizes also available, some with center holes. They range in thicknesses from 30, 60 to 120 point or thousandths of an inch. Please call for a quote on these sizes and your quantities!

**PAPER SPHERICAL AERIAL SHELL CASINGS**

These are real **Japanese and Chinese** paper round shell casings, with matching edges! Sets are two halves or Nesting Sets (inners and outers) are four halves. Size by mortar ID. *Priced per set.*

J16" Japanese Paper casing *Set* .....\$ 129.00  
 J24" Japanese Paper casing *Set* .....\$ 250.00

**CHINESE PAPER CASINGS**

|         |   |       |          |
|---------|---|-------|----------|
| LD9012E | - 1.5" Chinese Paper casing <i>Set</i>      | ..... | \$ 0.25  |
| LD9021E | - 2" Chinese Paper casing <i>Set</i>        | ..... | \$ 0.30  |
| LD9023E | - 2.5" Chinese Paper casing <i>Set</i>      | ..... | \$ 0.40  |
| LD9031  | - 3" Chinese Paper casing <i>Set</i>        | ..... | \$ 0.60  |
| LD9041  | - 4" Chinese Paper casing <i>Set</i>        | ..... | \$ 1.00  |
| LD9051  | - 5" Chinese Paper casing <i>Set</i>        | ..... | \$ 1.50  |
| LD9061  | - 6" Chinese Paper casing <i>Set</i>        | ..... | \$ 2.50  |
| LD9081  | - 8" Chinese Paper casing <i>Set</i>        | ..... | \$ 6.00  |
| LD9101  | - 10" Chinese Paper casing <i>Set</i> ..... | ..... | \$ 10.00 |
| LD9121  | - 12" Chinese Paper casing <i>Set</i> ..... | ..... | \$ 18.00 |
| LD9161  | - 16" Chinese Paper casing <i>Set</i>       | ..... | \$ 32.00 |

**AERIAL SHELL CANISTER & CAPS SETS**

Spiral wound Kraft paper Canister & Caps for Star & Component Shells.  
 2 Caps are included with each canister. Disks are listed above.

|   |       |          |
|---|-------|----------|
| 3" - 2 5/8" OD x 2 ½" LG 25pc w/ 50 caps                            | ..... | \$ 20.50 |
| 3" - 2 5/8" OD x 3" LG 25 pc w/50 caps                              | ..... | \$ 22.00 |
| 4" - 3 5/8" OD x 2 ½" LG 25 pc w/50 caps                            | ..... | \$ 29.50 |
| 4" - 3 5/8" OD x 3" LG 25 pc w/50 caps                              | ..... | \$ 32.75 |
| 5" - 4 1/2" OD x 3" LG 25 pc w/50 caps                              | ..... | \$ 40.50 |
| 5" - 4 1/2" OD x 3 ½" LG 25 pc w/50 caps                            | ..... | \$ 46.75 |
| 6" - 5 1/2" OD x 4" LG 25 pc w/50 caps                              | ..... | \$ 57.50 |
| C3S 3"- 2 ½" ODx 2 1/2" LG <u>5/16"</u> wall Can only ea.           | ..... | \$ 0.85  |
| C3SD 3"-2 5/8" ODx 2 ½"LG <u>5/16"</u> wall Can w/1 disk glued on   | ..... | \$ 0.95  |
| C4S 4"- 3 9/16" OD x 3" LG <u>1/2"</u> wall Can only ea.            | ..... | \$ 1.65  |
| C4SD 4"- 3 9/16" OD x 3" LG <u>1/2"</u> wall w/ 1 disk glued on ea. | ..... | \$ 1.75  |
| C5S 5"- 4 1/2" OD x 3 1/2" LG <u>1/2"</u> wall Can only each        | ..... | \$ 2.20  |
| C5SS 5"- 4 1/2" OD x 4" LG <u>11/16"</u> wall Can only each         | ..... | \$ 2.25  |

## **NEW \* PYROCLOCK**

Made by RAYTECH Animation, Inc.

They just snap together for quick precise timed flight of shells or any type of Pyrotechnic and or Fireworks device that needs to be timed accurately.

Used to make all types of timing chains, just use your imagination!

|                                  |           |
|----------------------------------|-----------|
| PyroClock stopper each .....     | \$ 0.20** |
| 1 second delay time each .....   | \$ 0.69** |
| 1.5 second delay time each ..... | \$ 0.72** |
| 2 second delay time each .....   | \$ 0.75** |
| 2.5 second delay time each ..... | \$ 0.78** |
| 3 second delay time each .....   | \$ 0.81** |
| 4 second delay time each .....   | \$ 0.84** |
| 5 second delay time each .....   | \$ 0.87** |

**If you are serious about Fireworks & Pyrotechnic manufacturing you just need to have some of these machines to stay competitive with your competitors!**

***"These machines will produce HIGH quality products with high production results and standards!"***

## **MACHINES OF ALL KINDS!**

These machines are made for **Heavy** and **Full** time production usage! They are made from the very best materials available with safety in mind. These are industrial type equipment made to safety codes; no amateur quickly made none compliant code junk here. All have been used in a large USA manufacturing company and have proven safe and reliable for decades.

### **QUICK MATCH MACHINE**

Complete Quick Match or Black Match production system capable of over 68,000 feet of bare quick match in an 8 hour day with cleanup time. Only needs 2 people to run. The system has a small foot print of space for setup. Runs on 115 Volts AC 60 cycles, explosion Proof electronics and controls, needs a small amount of low pressure compressed air. Many options are available so please call us with your needs.

Only \$41,250.00 for basic system

### **QUICK MATCH TUBING & BUNDLING MACHINE**

Complete Quick Match Tubing & Bundling system capable of over 33,000 feet of Piped/tubed Quick Match in an 8 hour day. This system also has a small foot print of area used for setup. Runs on 115 Volts AC 60 cycles, with explosion Proof electronics, and controls, Only \$29,890.00 for basic system

## **TAPE FUSE MAKING MACHINES**

Complete Tape Fuse Making system capable of over 12,000 feet or 200 - 60 foot long rolls of finished Tape/Sticky Fuse/Match in an 8 hour day. Needs only 1 person to run, with Easy setup, Easy operation, Easy cleanup, very small foot print of production area needed. Runs on 115 Volts AC 60 cycles, with explosion Proof electronics and controls.

Only \$11,550.00

## **TIME FUSE CUTTING MACHINE**

Complete ¼" Time Cutting system capable of over 18,000 pieces cut, but amount will vary per length of piece cut, in an 8 hour day. Needs only 1 person to run. Easy setup, Easy operation, Easy cleanup, very small foot print of production area needed, less then 3 square feet. Runs on compressed air only. System has 2 hands safety switches per OSHA requirements.

Only \$7,150.00

## **SPIKING OR STRINGING 3-RD HAND MACHINE**

Complete easy to use, just clamp to your work table and start stringing your shell, fuse, & etc. All aluminum construction. Can be used with Cotton, Jute, or Flax twine. Only \$95.00

## **PRESSES OF ALL KINDS**

Complete systems, with Dwell Timers for Up and Down Stroke and Holding Pressure. Can be tooled to your applications. From 1 ton and up in size. They can be automated with die set insertion and extraction systems, Multi Spindles, Drop boards, and Composition Boxes. Many options are available.

Please call for a quote for your particular application.

## **SHELL TAPING MACHINE**

A complete **NEW** design! (Patent Pending)

- \* **No Electricity needed!**
- \* **No Water needed!**
- \* **No Drying time needed!**
- \* **No Computer needed!**

These use Special Tape for both **Round** and **Canister** configuration containers. It will work on items from 3" diameter up to 12" diameter. Works on both plastic and paper materials. This machine can place 2 layers or wraps on in just seconds on all sizes.

**Table Top model (with no guards) NOW only \$899.00**

**-Less then half the price of other tapping Machines!-**

**\* We do have other machines that we make and use. If you have a special application please call as we may have a Machine Solution to your production needs, or up coming project! ---**

## **SHELL PASTING MACHINE**

These use Kraft Paper Tape for Round shell pasting. For shells 1 ½" diameter up to 12. Computer controlled with latest operating systems. All metal construction of non-sparking materials. Water applicators, Tape guides, Pendants/Remote controls, & Sundries are available. Size balls 1 ½" -- 12" size .....Call for a quote