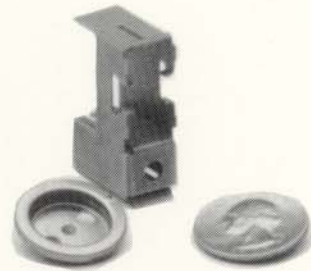


# THE **Short Run Stamping** CO., INC.

Where Modern Technology Meets The Needs Of Industry Today And Tomorrow

When You Need  
Stampings This Small...



Or This Large.



### Electronic Housing (A)

Size: 13 1/2 x 9 1/2 x 3 1/4

This unit requires insertion of standoffs and studs, spot welding, plating, painting, including filling and sanding, and silk screening. The parts are individually packed in special cartons.

### Extractor (B)

Size: 9 x 7 1/2 x 1 1/8

A great example of early supplier involvement: we worked with the customer from design through prototype to production. Each part consists of two stampings, 2 threaded stops and 2 springs. The inner piece slides in the channels of the outer piece. Parts are powder painted, individually boxed, and drop shipped.

(A)

# Assemblies

The trend toward outsourcing is resulting in a growing demand by our customers to have us supply assembled parts. Assembly can be as simple as spot welding two stampings together, pressing in inserts or orbitally riveting screw machine parts; or it can be as complex as the parts shown here:

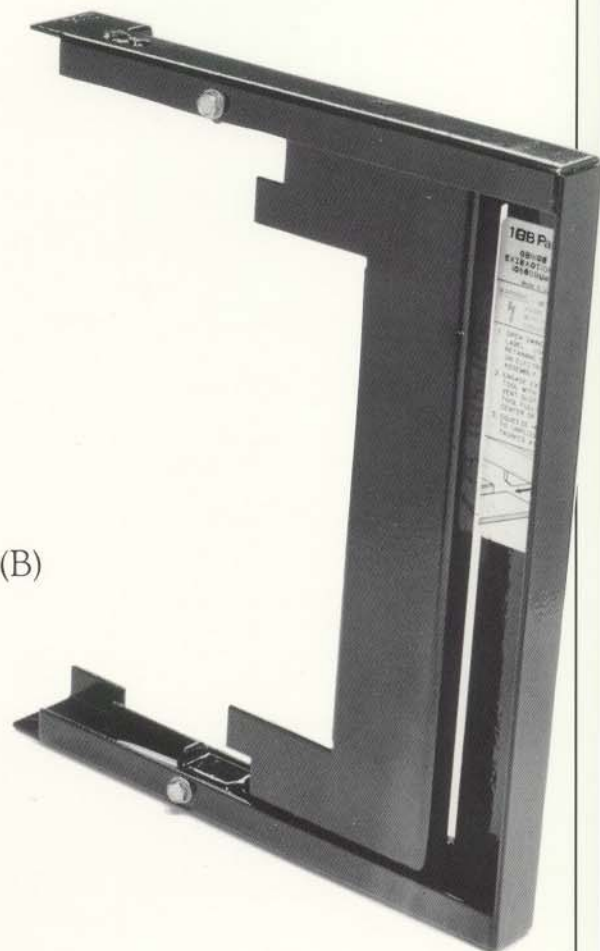
### Actuating Mechanism (C)

Size: 4 1/2 x 3 1/2

Consists of 5 stampings, 5 screw machine parts and 1 roll pin. Heat treat and plating required. These parts are made on a multi-year contract basis.



(C)



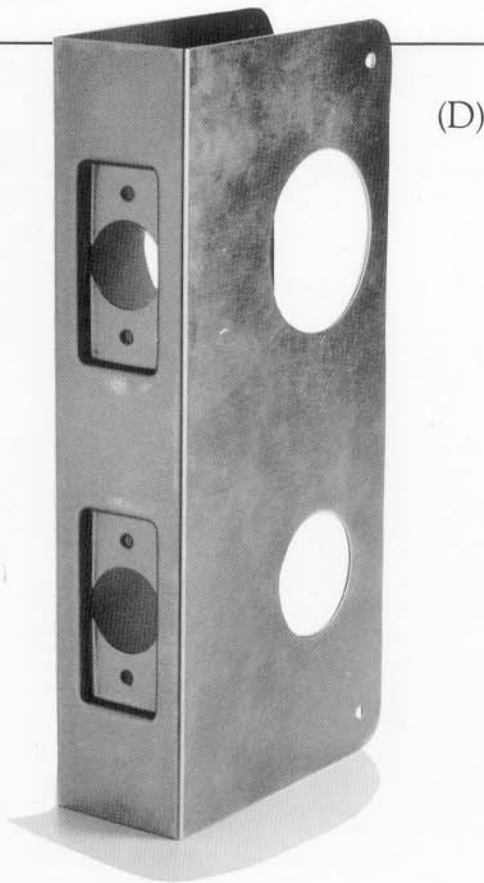
(B)

## Door Lock Bracket (D)

Material: .025 Thick Polished Stainless Steel

Blank size: 10 1/4 x 9

The appearance of this part is critical. There can be no forming marks and no wrinkles around the rectangular drawn sections.

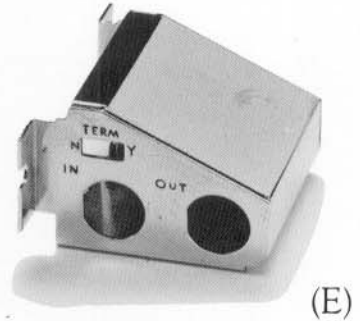


## Electronic Counter Enclosure (E)

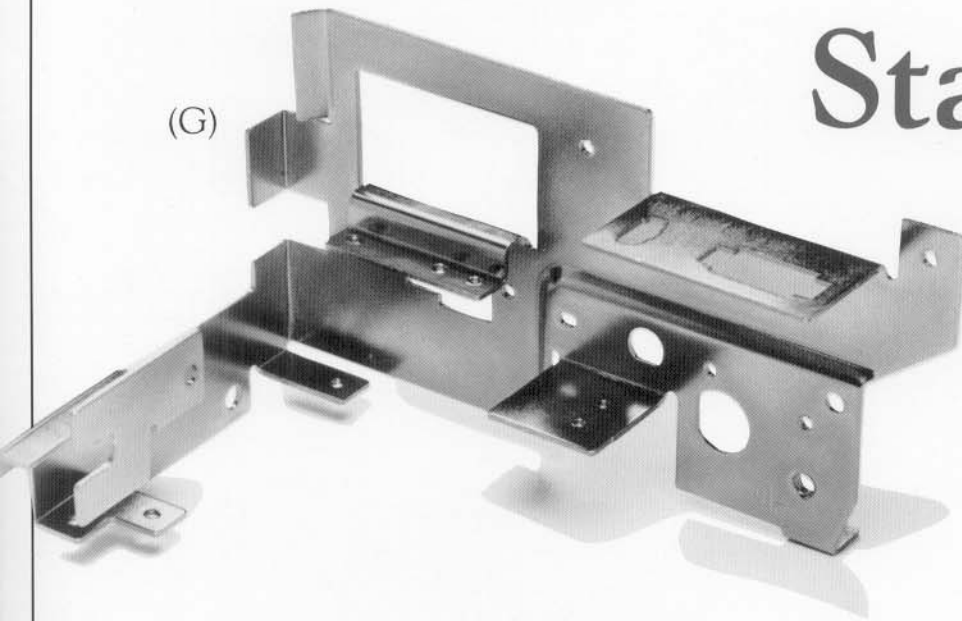
Material: .047 Thick CRS

Blank size: 8.900 x 5.700

This is a good example of the type of fit that quality form tools produce. Part is zinc plated with silk screened identification of openings.



(G)



# Stampings

## Office Copier Bracket (G)

Material: .062 Thick CRS  
Preplated Zinc

Blank size: 11.741 x 5.816

This part which has 16 tapped holes is an example of our ability to produce parts with multiple close tolerance forms.

## Computer Spring (F)

Material: .015 Thick Beryllium Copper

Blank size: 1.720 x 3.490

The complex forming of this part is further complicated by the requirement of heat treating which is done in special containers designed and made by us.



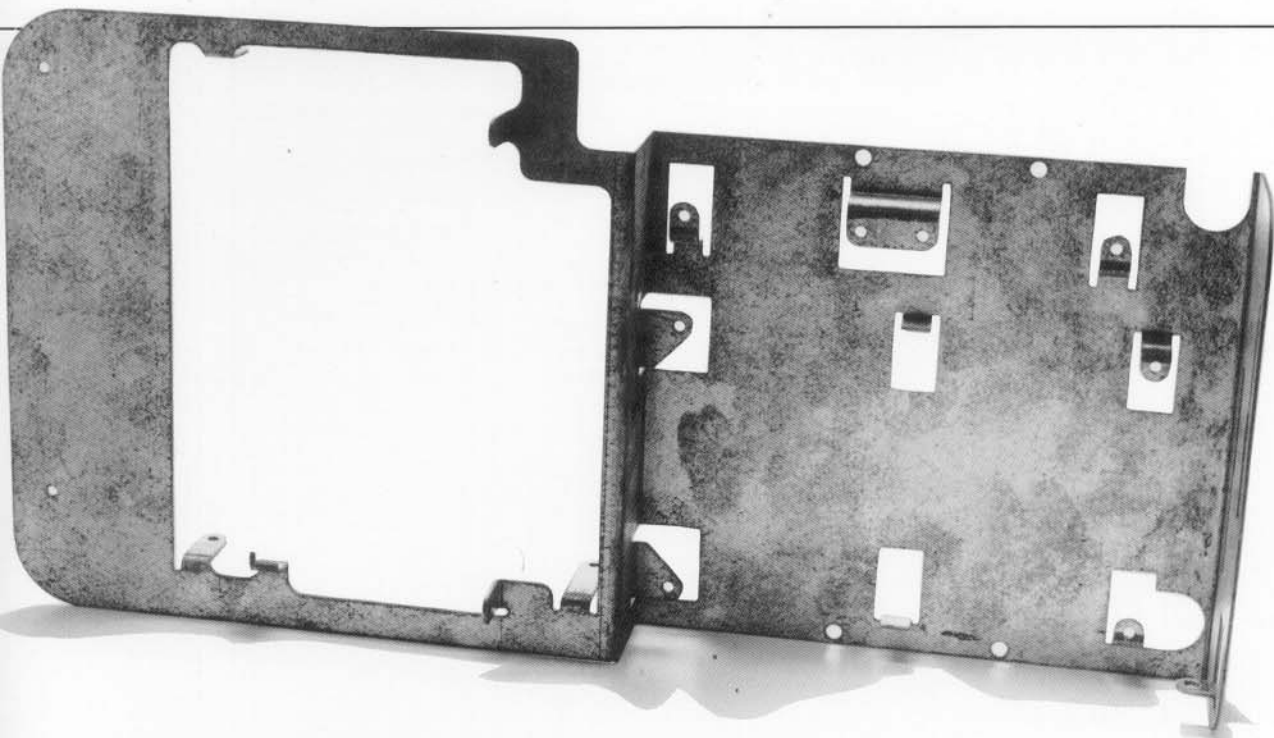
(F)

## Insulator (H)

Material: .062 Thick Black Fiber

Blank size: 10.500 x 3.400

An example of one of the many different insulator parts we make. You will usually find that our tooling cost for insulators is only a fraction of the tooling cost of other insulator manufacturers.



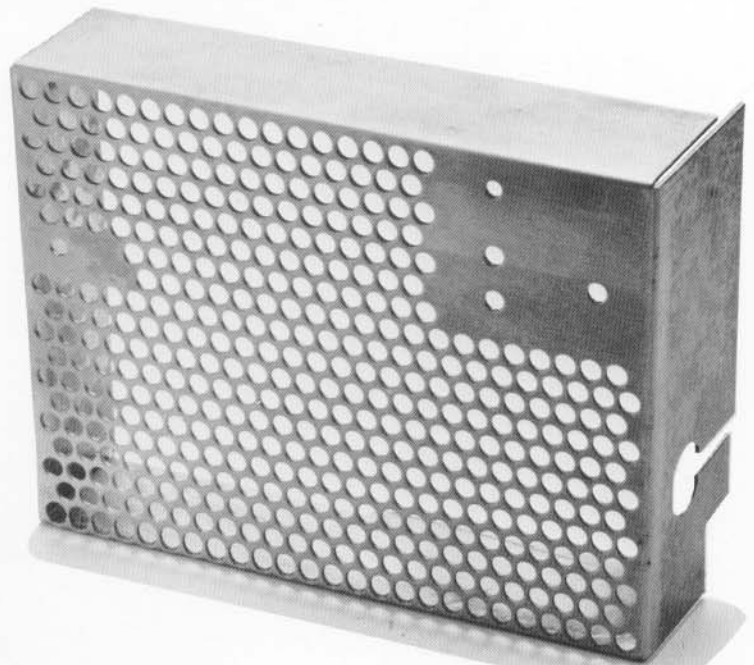
(I)

### TV Test Chassis (I)

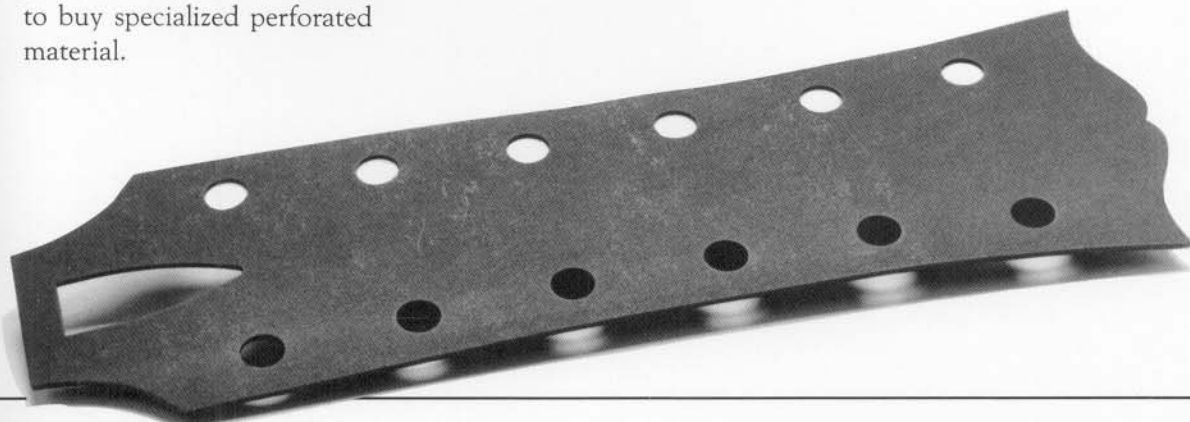
Material: .062 Thick  
Galvanized CRS  
Blank size: 19.87 x 8.187  
Tooling cost was minimized by using a CNC turret press to make the blank and all openings. Forming cost was minimized by using short run type tooling combining many of the forms in each operation.

### Power Supply Box (J)

Material: .047 Thick CRS  
Blank size: 8.950 x 7.125  
Another example of the advantage of combining a CNC turret press and short run forming tools. Notice the perforated pattern on the bottom. With a CNC turret press practically any pattern is possible and there is no need to buy specialized perforated material.



(J)



(H)

# Drawn Parts

## Connector Housing (K)

Material: .015 Thick CRS  
1/2 deep by .625 x 2.685

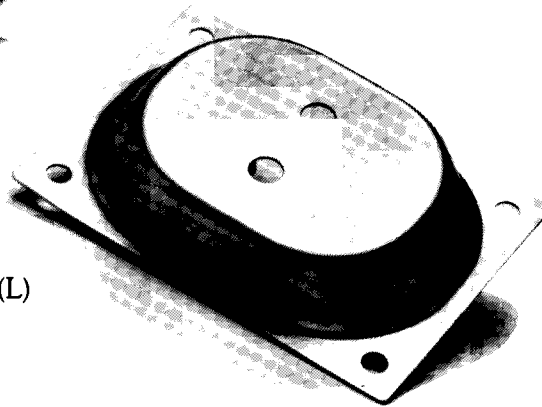
(K)



## Cover (L)

Material: .032 Thick CRS  
1 deep x 3 1/2 x 5  
Note the absence of wrinkles.

(L)



(M)



## Motor End Cap (M)

Material: .015 Thick Stainless Steel  
1 deep by 1 1/2 ID

We are continuously developing our capability to make drawn parts.

## We Want To Be Your Short Run Stamping Supplier

...and we recognize that success as a stamping supplier requires higher quality, more reliable delivery and greater responsiveness to our customers' needs than ever before.

To meet industry's high standards we are dedicated to the continuous improvement of every aspect of our operations, from estimating through shipping and billing. In addition to state of the art equipment for manufacturing, we have invested substantially in office automation and employee training.

### Tooling

Quality stampings start with quality tools. Our Agietron Wire EDM machines assure you of highly accurate tooling even with the most complex configurations, hole shapes and patterns. CNC machining and the skill of our toolmakers assure tooling that does the job every time. And at 5% to 10% of progressive die costs.

departments are completely equipped with coordinate measuring machines, computerized optical comparators and a complete complement of other inspection equipment. Where possible in the short run environment, our operators participate in the SPC applications.

which can be cold punched.

### Design Assistance Early Vendor Involvement

Many of our customers have taken advantage of our 39 years of stamping experience to assist their designers in creating the most cost effective, functional and manufacturable stamping designs possible. Upon request, we are pleased to present seminars to inform purchasing, engineering and quality personnel regarding our tooling and manufacturing methods, as well as the advantages and limitations of our process.

### Quality Assurance/SPC

Our primary efforts are directed to process control. We are involved in numerous ship to stock programs of certified parts. Our QA

### Materials

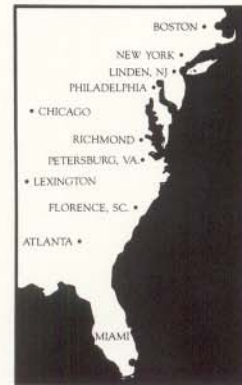
We produce parts from a wide variety of materials including stainless, aluminum, low and high carbon steel, beryllium copper, phosphor bronze, copper, phenolic, fibre and nylon. Basically, anything

## Advantages Of The Short Run Stamping Process

1. Quality parts.
2. Low cost hard tooling—usually 5% to 10% of progressive tooling cost.
3. Infinite tool life. We replace all worn tooling at no cost to our customers.
4. No tool maintenance charges.
5. Quick delivery—often within a few days.
6. Inexpensive tool modification.

**Overnight Delivery  
To Many Of The  
USA'S Major  
Markets.**

Our conveniently located manufacturing plants are served by air, rail, and truck express.



**PMA**  
PRECISION  
METALFORMING  
ASSOCIATION

### Administration Office And Manufacturing Plant:

925 E. Linden Ave. • Linden, New Jersey 07036  
(908) 862-1070 • Fax (908) 862-6260

### Manufacturing Plant:

539 North West St. • Petersburg, Virginia 23803  
(804) 861-6872 • Fax (804) 861-6874

### Technical Center:

1327 Edwards Circle • Florence, South Carolina 29501  
(803) 665-1952 • Fax (803) 665-6140

### Manufacturing Plant:

Carenero Ind. Park • Ramal • 116 K.M. 27  
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(809) 821-2015/2030

**THE Short  
Run  
Stamping**  
CO., INC.  
Founded 1951

