

COMPONENT PRODUCTS

COMPANY BROCHURE



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INTRODUCTION

This brochure provides information about our organization of interest to potential customers. It is divided into three main sections: the first section (this section) is a brief introduction to our company, the second section provides general information about our capabilities, and the third section provides some examples of the products we make for our customers.

ABOUT

Since its founding in 1967, CPC has provided the aerospace and defense industry with quality products and services. Over the last 50 years, much has changed in our industry; however, we have continued to successfully adapt to these changes, as is evidenced by our long standing as a supplier of aerospace and defense products.



As a small business, we have maintained customer relationships with key players in our industry, including, but not limited to, Boeing, Spirit Aerosystems, Wesco Aircraft, KLX, and many more. Consequently, we are well acquainted with the high standards for product and service quality placed on aerospace and defense suppliers.

However, we are not merely acquainted with high standards; we are equipped to achieve them. With quality equipment, knowledgeable staff, and an AS9100 certified Quality Management System (QMS), we have managed to consistently provide first rate products and services to our customers.

ADVANTAGES OF USING CPC

We believe that we have several strengths which provide an advantage for our customers. If you are considering our company for inclusion in your supply chain, please consider the following.

- We are well established in the aerospace industry.
- We have extremely low employee turnover.
- We are quick to respond to our customers.
- We work with our customers to solve their pain points.
- We are highly focused on quality and on time delivery.

In summary, our goal is not only to provide customers with quality products on time, but to also help make their life easier. Our ethos has always been, "Solve the customer's problem." We are continually looking to steadily increase our customer base, our capabilities, and our expertise. As such, we are pleased to be considered for inclusion in your supply chain.

MATERIAL CAPABILITIES

HARD MATERIALS

- Stainless: 3xx series, 4xx series, 15-5, 17-4
- Super Alloys: Inconel 718/X750, A-286, Haynes
- Alloys: 4xxx series
- Carbon: 1xxx series

SOFT MATERIALS

- Aluminum
- Copper
- Brass
- Plastic
- Phenolic

MANUFACTURING CAPABILITIES

MILL/TURN STATIONS

MORI SEIKI NL2000

- Bar Capacity: 2.5"
- Chuck Size: 8"
- X Axis Travel: 10.2"
- Z Axis Travel: 23.2"
- Max Turning Diameter: 14"
- Max Turning Length: 20"
- Max Swing: 36.4"



OKUMA MULTUS B200-W

- Max Machining Diameter 23.62"
- Distance Between Centers 29.53"
- Spindle Bore 2.44"
- Chuck Size 6"
- X-Axis Travel 19.69"
- Z-Axis Travel 31.50"
- Y-Axis Travel 6.3" (+3.15 TO -3.15)
- W-Axis Travel 31.89"
- C-Axis 360 Degree
- B-Axis Indexing Angle 225 Degree



LATHES

GENOS L250

- X axis travel 6.3"
- Z axis travel 12.99"
- Swing over bed 17.72"
- Swing over cross slide 11.02"
- Max work length 11.42"



OKUMA LB10 X 2

- Maximum Turning Dia. x Maximum Work Length (Chuck Work): 5.91" x 4.72"
- Maximum Turning Dia. x Maximum Work Length (Shaft Work): 5.91" x 9.84"
- Distance Between Centers: 9.84"
- Main Spindle:
 - Spindle Bore (inches) 1.77"
 - Spindle Nose: 5.51"
- Carriage (Z-Axis):
 - Carriage Travel: 11.22"
 - Minimum Input Increment: 0.0001"
- Cross Slide (X-Axis):
 - Cross-Slide Travel: 5.91" (5.51 + 0.4)
 - Minimum Input Increment: 0.0001"

MILLS

MORI SEIKI NV500

- X axis travel 6.3"
- Z axis travel 12.99"
- Swing over bed 17.72"
- Swing over cross slide 11.02"
- Max work length 11.42"



OKUMA MB-46VAE X 2

- 3 axes: X, Y, and Z.
 - X-Axis: 30"
 - Y-Axis: 18.11"
 - Z-Axis: 18.11"
- Table
 - Max Machining Volume: 22.05" x 18.11" x 18.11"
 - Table Size: 18.11" x 29.92"
 - Max Table Load: 1543.24 lbs.



METAL FABRICATION

DIAMOND BB4013 PRESS BREAK

- Press Force: 36 tons
- Bending Length: 50"
- Open Height: 17"
- Ram Stroke: 6"
- Gap Depth: 4"



KOMATSU H1F35 PUNCH PRESS

- Press Force: 38.5 tons
- Rating Point: 0.18"
- Stroke Max: 3.15"
- Strokes Per Minute: 120
- Shutheight: 8.27"
- Slide Adjust: 2.17"
- Slide Left/Right: 13.8"
- Slide Front/Back: 11.8"
- Shank Hole: 1.5"
- Bolster Dimension Left/Right: 27.6"
- Bolster Dimension Front/Back: 15.7"
- Bolster Thickness: 3.4"
- Motor: 5kw



OMAX 2652 JETMACHINING CENTER (WATERJET)

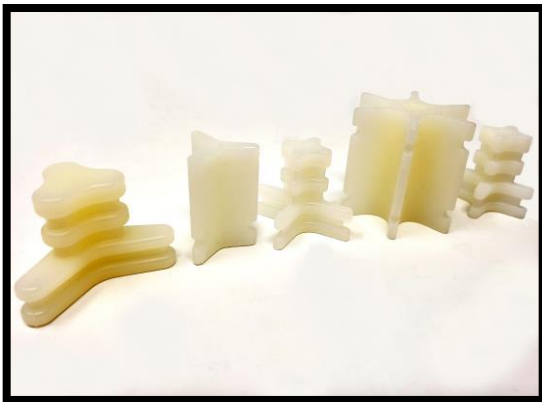
- X-Y Cutting Envelope: 4' 4" x 2' 2"
- Z-Axis Travel: 8"
- Table Size – (L x W): 5' 9" x 2' 6"



PRODUCTS

Most of our business is comprised of products found in standards catalogs. Examples of such catalogs include Boeing D-590 Standards, NAS Standards, and MIL/MS Standards. The pictures that follow are examples of popular products we make for our customers; however, it is a small sample of the types of parts we have made in the past. In our 50+ years of business we have manufactured over 4,500 distinct part numbers. If you want a more comprehensive listing of categories of products and/or part numbers, you may view our [Line Card](#) on our website.

PLASTIC SPACERS



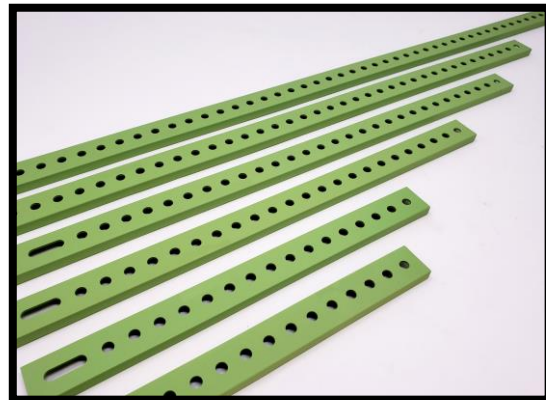
PLASTIC SEALS



PLASTIC GROMMETS



RAILS



ELECTRICAL BRACKETS



BRACKETS



PANELS



HANDLES



PRECISION MACHINED COMPONENTS



STAMPED COMPONENTS



CONTACT

Please do not hesitate to contact us with any questions.



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