

Buyer's Guide

**Value Added Purchasing for Mechanical Parts that
*fit seamlessly into your process***



Parts for Extreme Environments

**CNC Precision Mechanical Parts
Machined From Aluminum & Exotic Alloys**

Provided By



Partner with Manufacturers to Reduce Cost

The **purpose** of this **buyer's guide** is to provide **engineers** and **purchasing agents** with basic machining options that increase the **value** and **manufacturability** of precision parts.

We believe that ***vendors must partner*** with **customers** and advise them on **critical to quality part features**, dimensions, tolerance, wall thickness and how that ***impacts cost***.

These **free** subscription guides will serve as a **valued added purchasing tool** to provide some manufacturing knowledge to assist engineers and purchasing personnel in deciding order quantities and the costing of **critical to quality features**.

Today's **world** of machining has changed dramatically. It's now **Industry 4.0**, and the **US Manufacturing Base** has been **reborn** with the "**NEW COLLAR**" employee; One trained and skilled with the latest in manufacturing technology at his fingertips, handles are now **touch screens**, prints are **solid models** and **digital inspection** is the norm.

Manufacturing is **improving** every day and new machines develop **new opportunities** to those that have the **drive** and **ingenuity** to make the investment in **long term manufacturing partnerships**.

A great example of this are parts that once had to be **stamped**. This was **high quantity sensitive** expense. Today's machines can manufacture these parts in a "**Done In One**" machining at a much lower cost.

Buy **what you need** when **you need it** made in the most technically efficient method.

The Challenge *faced* By Engineering & Purchasing



Engineers will design a product that will spec out the raw material, size, tolerance, application & delivery to the customer.

Purchasing manages the **supply chain** to get the best possible price with the greatest value. Both must communicate with the vendor serving as a **key link** in the supply chain.



The **purchasing department** must act as a strategic buyer aligning a vendor's **manufacturing technology** and **capability** with the part.

The choosing of the **right vendor** based on total cost yields the best overall value .

A **vendor** with most **technically efficient** manufacturing methods must be utilized to offer parts the best quality and highest value.

Choosing **right vendor** is the **key** to having parts fit seamlessly into **your process**.

Customer RFQ

Vendor Quote

The Customer's Detailed RFQ

- ✓ **Qty & Delivery Date** and or **Annual Usage Blanket**
- ✓ ***Critical to Quality*** Features
- ✓ The **Part Assembly** Interface
- ✓ Detailed Specs, **RFQ** should **read** like a Purchase Order
- ✓ **Historical Issues** with part to **Improve Process**
- ✓ **Detailed** Prints facilitate a ***straight line thru process***
- ✓ **Communication** during **RFQ** is key to **Quality Parts**



Vendor Quotation Response

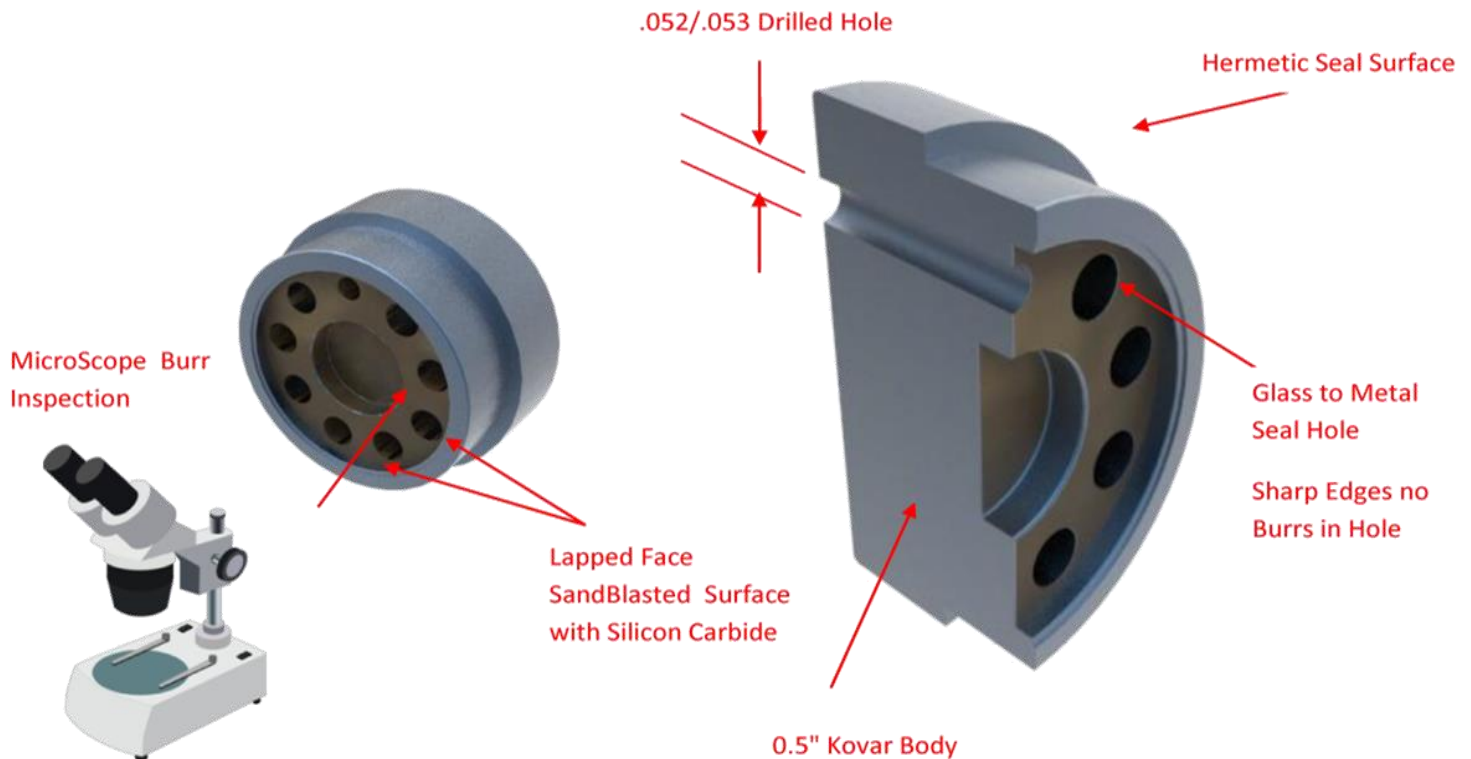
- ✓ **Cost Saving** Suggestions
- ✓ **Assembly Friendly Tolerancing** Suggestions
- ✓ **Additional Quantities** for **Long Term Savings**
- ✓ ***Free Solid Model*** if needed for discussion,
- ✓ **Reference Print** with Order
- ✓ Notes on Special **Critical to Quality Features**
- ✓ Special Packaging or **Barcoding**
- ✓ **Gaging** Requirements

Rehtek Machines Process Friendly Parts

Example of Machined Part

Header Sandblasted & Hermetic Seal Surface

With Critical to Quality Features (CTQ)



- Kovar Body
- CNC Hybrid Turned Blank
- CNC Gang Drilled

- Sandblasted
- Deburred With Microscope
- 100% Inspection of CTQ

Click Here to Request A Quote For Your Next Part



Rehtek Machine Co 135 Monroe Street Passaic, NJ 07055 973-365-2101
www.rehtek.com



About Rehtek Machine

- Engineer's Choice for Machining Parts .005" to 5.0" Dia
- ISO 9001 Registered Approved Defense Contractor
- Pro-Active Consultation On Parts to Reduce Cost
- Solid Models Of Your Part before Machining
- Process Friendly Parts That Fit Into Your Process

New for 2017.... We have invested in NEW CAD-CAM Solids Software and "DONE IN ONE" Machines to Better Serve Our Customers !

***Please contact us with any question or parts you may need.
We are Here to Help***

Sincerely,

Stephen K. Reh
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Click Here to Contact Steve @ Rehtek



Click Below to sign up for future updates
Including our next guide on the **Pro-Tek** Machining Process

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