

Be-cu Prototypes – Offering High-Quality Metal Rapid Prototyping at Cheap Cost

Find out the tolerances used by the China CNC machining parts manufacturer for metal and plastics. Reputable manufacturers control tolerances to DIN-2678-1 Medium for plastics and Fine for metals.



Dongguan, Guangdong Aug 15, 2022 ([Issuewire.com](https://www.issuewire.com)) - Is sheet metal involved in your next project? Manufacturing prototypes yourself could be expensive and time-consuming, but companies like BE-CU Prototypes can make it more affordable and faster. The company offers metal [rapid prototyping](#)

that can accurately and quickly manufacture any product, including brackets, enclosures, assemblies, cabinets, weldments, housings, and cabinets. Several metal prototypes can be made, from one to low or mid-volume quantities.

Sheet metal prototyping involves a wide array of processes to shape and manipulate metal sheets into your required geometry. BE-CU offers a good selection of hard-wearing and versatile metals for your projects. Rest assured, you'll get a hard-wearing product that is inexpensive and quick to manufacture.

Why outsource to BE-CU Prototypes?

BE-CU has over ten years of experience in prototype manufacturing. The company is based in China and is trusted by multiple product designers and manufacturers locally and abroad for low-cost prototyping solutions. BE-CU's [sheet metal manufacturing](#) involves laser cutting, bending, welding, punches, and others to manufacture custom prototypes. The company has a track record of building prototypes for communications and medical products, enclosures, and housings.

BE-CU adheres to ISO 9001:2015 and ISO 14001:2015 requirements. The company is also IATF 16949 certified. These forms of accreditation help increase client trust in the capabilities of BE-CU Prototypes to create high-quality and reasonably priced sheet metal prototypes.

Working with you

Sheet metal parts are inexpensive and versatile for any product. However, the cost of creating prototypes can depend on certain factors, such as bending radii. To reduce costs, BE-CU recommends maintaining consistent radii on the bends. That way, setup will be minimal, and the process will be cheaper and quicker.

Not sure how to proceed? BE-CU Prototypes offer a free project review to walk you through the sheet metal rapid prototyping process. The in-house team will work closely with you and provide design tips to make your product suitable for affordable sheet metal prototyping.

Our Guide on Choosing the Ideal 3D Prototyping Services

To save time and money, you must rely on a 3D prototyping service instead of buying your own equipment. Most discerning businesses and product designers are doing so to ensure the best results at a more affordable cost. The challenge is finding an ideal service provider that can understand your exact requirements, work closely with you, and consider your best interests. If you're going through that ordeal, we hope this guide can help you make the right choice:

Look beyond your country.

It's understandable to seek local companies to cut costs and ensure accessibility. However, you need not overlook outsourcing to international [3D printing china](#) prototyping companies, especially in China. There are reputable service providers with over ten years of experience in providing various additive manufacturing solutions and a track record of delivering high-quality and high-precision parts.

Identify their technologies.

Check the additive manufacturing technologies of a 3D prototyping service provider. It should include the standards like SLS (selective laser sintering) and SLA (stereolithography), as well as advanced and

specialized methodologies like DMLS (direct metal laser sintering) and FDM ([fused deposition modeling](#)). See if they offer Project MJP 3D printing, the latest technology for creating accurate CAD and high-resolution precision prototypes and parts.

Explore the available materials

Determine the materials offered by the service provider and ensure they are suitable for every [3D printing](#) technology available. For instance, SLS 3D printing requires nylon or glass-filled nylon, and DMLS requires titanium, steel, copper, nickel, and tool steel. FDM technology can create parts out of materials like nylon and ABS.

Ensure design expertise

Design is one of the critical aspects of additive manufacturing. A 3D prototyping service can review your project for free and advise on designing your part to make it suitable for your chosen technology. They can also provide tips to help you save more money and time when you design your product for 3D printing.

Tips for Finding the Best China CNC Machining Parts Manufacturer

Are you looking in China for a CNC machining parts manufacturer? You might be overwhelmed by the many available options, especially when finding which company is dependable and trustworthy. The last thing you want to receive low-quality results that can waste your time and money and compromise the safety of your end product. To save you from the guesswork, we put together some tips to help you find the best CNC machining services and parts manufacturer in China.

Narrow down the options

Choose a [China CNC machining](#) parts manufacturer with extensive experience in rapid prototyping and low-volume end-use manufacturing. The company must be IATF 16949:2016, ISO 14001, and ISO 9001:2015 certified. It should have a multilingual team of experts that speaks your language, so the language barrier will be the least of your worries when collaborating with them.

Discuss your needs with the manufacturer

Consider your timeline and ensure the manufacturer can finish and deliver your project within the agreed period. Reputable CNC machining services can review your project for free to understand your requirements and make recommendations that may help reduce the costs and speed up the completion of your project.

Verify their process and technologies

Find out the tolerances used by the China [CNC machining for metal](#) and plastics. Reputable manufacturers control tolerances to DIN-2678-1 Medium for plastics and Fine for metals. They have a good selection of high-precision mills, sink and wire EDMs, lathes, axis machines, surface grinding machines, and other equipment to ensure the timely delivery of custom CNC machined parts. The manufacturing process should include a thorough quality check.

Verify their experience

Check their case studies and explore customer testimonials. These can help determine if they have

worked on projects similar to yours. Remember not to take the reviews at face value.

Ensure reliable customer service

Consider a China CNC machining parts manufacturer that maintains open communication with its clients. They should update you on your project's progress and promptly inform you of important matters.

BE-CU Rapid Prototyping Companies provides one-stop rapid prototyping services & volume manufacturing services. With years of manufacturing experience, our experts offer the best solution for all your rapid manufacturing needs. With a range of machines, we offer 5 and 3 axis, [Laser Cutting Machine](#), 3D printers, Sheet Metal machines, [Die Casting Machine](#), EDM, Injection Molding Machine, Forging Machine, and Stamping Machine capability, see prototype capabilities below

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