

MEDICAL PRODUCTS

With over 20 years of experience supplying components to Fortune 500 companies in the medical industry and a unique mix of processing capabilities, HyTech is well-versed in meeting the needs of today's medical device manufacturers. We have assembled key technologies and developed significant knowledge and expertise in producing parts for the healthcare industry.

CAN-DO

Have you ever taken a design concept to a vendor only to be told "it can't be done", given a laundry list of obstacles, and walked away feeling like you're back at square one without any support? Of course you have, it's a story we hear every day. That won't happen at HyTech. We've built our reputation on tackling the tough projects and asking the tough questions. Our engineers will work with you and your team – through review of mating components, assembly drawings, and on-site visits – to determine the critical characteristics of your application and build a solution that fits your needs without compromising your vision.

THE RIGHT PART THE FIRST TIME. AND EVERY TIME.

Once we've determined your needs our experts go to work tooling and completing the first article submission. Understanding that on-time and accurate submissions are critical to successful product launches, we take great pride in our track record of 100% initial submission first article approvals. And that's just the first step. Anyone can make a part right once. HyTech stands out from the competition by continuing to meet your quality and delivery requirements throughout the life of the project.

DON'T JUST TAKE OUR WORD FOR IT

On the opposite side of this sheet you'll find a few examples of the processes and application solutions HyTech offers.

We understand that anyone can tell you how good they are on a piece of paper or a website. Call or email one of our experienced sales engineers today and learn the benefits of partnering with HyTech yourself.

We promise you'll be happy you did.



CANNULA PRODUCTS

Cannulae of all shapes and sizes are used extensively in many applications in today's medical market. With our expert staff and in house capabilities we offer many processes for these applications such as:

- Burr Free Cut To Length
- Notching
- Flaring
- Grit Blasting
- Crimping
- Tip Grinding

SWISS PRECISION & CNC MACHINING

Swiss machining combines many operations into a single process yielding highly precise medical component at a much lower cost than traditional CNC machining centers. With our experience and highly qualified staff we specialize in the manufacture of these components. From micro-sized components, intricate configurations, exotic materials and super alloys HyTech is just the partner you are looking for to master your complex component needs. With our extensive capabilities and diverse equipment we can machine any of your components no matter the requirements.

- Complex low and high volume components
- Superior precision and intricate machining
- Short lead times and competitive pricing
- All materials including exotics, plastics, precious metals, super alloys, and more

CENTERLESS GRINDING

Utilizing our high precision grinding equipment and adding our expert engineering staff and dedicated employees we can produce the most difficult centerless ground components for today's medical market. No matter your specific needs, HyTech is the answer regardless of what material type is needed for your application, including nitinol.

- Step
- Taper
- Profile
- Micro Precision
- Mandrel
- Cutting wires

HYPODERMIC NEEDLE GRINDING

When you are in the market for a responsive, precise and high quality hypodermic needle manufacturer HyTech is the partner you are looking for. With our short lead times and cost competitive advantages we make your goals achievable. We offer many styles of needle points including but not limited to:

- Bias Point
- Lancet
- Trocar
- Menghini
- Contact us for other point configurations

STRAIGHTEN AND CUT LENGTHS

HyTech provides tightly toleranced, rotary straightened cut-to-length wires from all material grades including:

- 302/304 VAR
- 316 L & LVM
- Nitinol

CATHETERS

Our state-of-the-art CNC coiling processes produce the most consistent coil windings from the proximal to the distal ends. We produce catheter coils from round and flat wire with ODs as small as .004".

- All stainless steel grades and nitinol
- Lengths up to 15' (180")

WIREFORMS

HyTech produces wireforms used in device linkages and tips. We have developed processes and inspection procedures for various wire cross-sections and extreme tolerances.

- Tines and preforms used in stone retrieval baskets and ablation arrays
- Round, flat, D, V, pie, and other shaped wires
- 100% Vision inspection available

MICRO SPRINGS

HyTech's foundation has been built on the design and manufacture of close tolerance, miniature springs. Producing parts from a variety of materials – titanium, gold, MP35N, and more – HyTech's springs can be found in a variety of applications including:

- Pacemakers
- No-stick protection devices
- Trach tubes

SECONDARY PROCESSES

We offer many secondary processes that are just as crucial to the component as producing it. We can accommodate any requirements for your medical components. A few – but not all – of these secondary processes are listed below.

- Electropolishing
- Electrochemical etching
- Cosmetic bead blasting
- Passivation and ultrasonic cleaning
- Cleanliness testing
- Complete device assembly

PROTOTYPING

Our goal is to make sure we exceed your expectations and help ensure your success. Through our excellent delivery, competitive cost, and willingness to work with you to help achieve your goals we are the answer you are searching for. We will help your products get to market in a timely fashion because improving the livelihood for us and generations to follow is truly what is important. Our team of experts will provide you with high quality prototypes of all of the above services and more. Allow us to partner with you and help you succeed today!