



# FROM PREMIUM QUALITY ALLOYS AT THE LADLE TO FINISHED, CLEAN CASTINGS

Casting special alloys requires a special alliance of technology and expertise. That's the ASTECH combination.

A green sand foundry in the heart of Michigan's lush Saginaw Valley, ASTECH draws upon a history of experience in alloy grade steels and cast irons. We specialize in castings for rigorous applications. Alloys that resist abrasion, high temperature or corrosion. ASTECH alloys range from plain carbon steels to tough, modified tool steels like our VE-7.

Modern production equipment, which includes three 1000-pound induction furnaces, gives us the flexibility to handle short and long casting runs. ASTECH also has the flexibility for quick turn arounds from one specialty alloy to the next.

Our 32,000 sq. ft. facility and advanced data management capability can accommodate inventory programs and "just in time" delivery.

ASTECH delivers quality every time. Each heat is tested before pouring and every casting is fully cleaned and inspected in-house.



ASTECH uses a range of flask sizes, up to 48" x 48". We have experience casting small pieces, weighing only ounces, and progressively larger pieces up to 200 pounds. Our casting capability extends to even greater weights in low volume runs.

Our molding processes are either green sand or furan air set. Cores are either blown or hand rammed, and we offer a choice of binder systems. These include baked oil sand, CO2/sodium silicate, and phenolic urethane no-bake, whichever is best for the job.

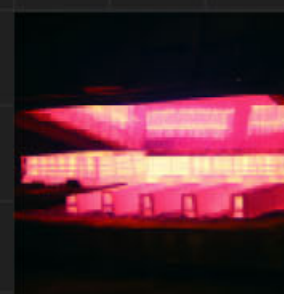
We do all our own cleaning. Cast parts are finished with tumble and spinner hanger blast equipment along with and high speed grinding.

ASTECH can also provide pattern rigging, and repair, as well as machining and assembly of your cast parts.



Our direct reading spectrometer give us precise compositional analysis before every pour.

ASTECH's commitment to quality begins with consulting. Our metallurgical and mechanical engineers can help you choose the right alloy for your specific application. We can suggest the best casting design to reduce production cost and improve longevity.



In-house heat treatments include annealing, air hardening or quench annealing.



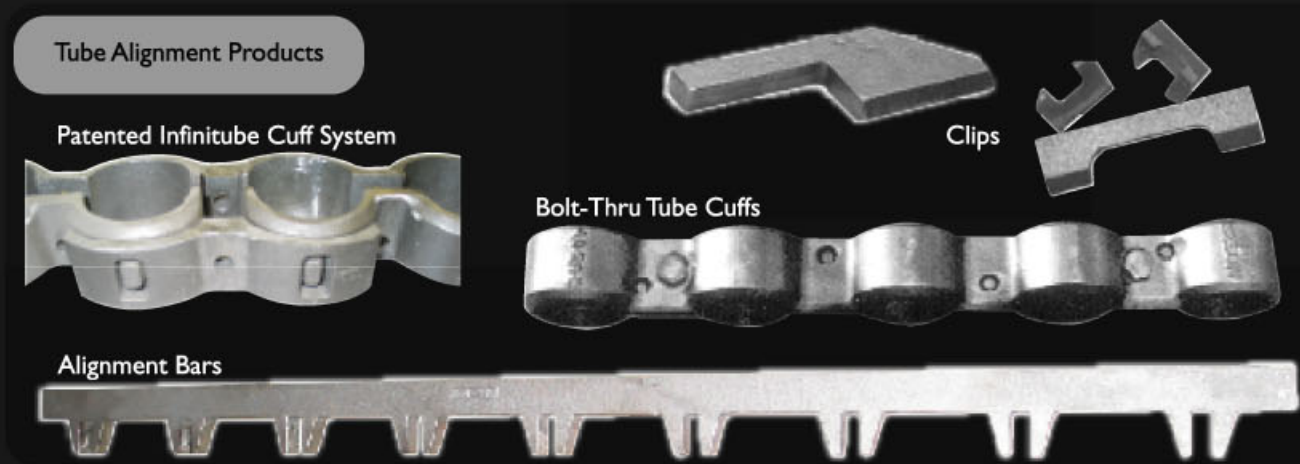
We can provide machining to complete your cast parts.



All castings must meet our quality control specifications before shipment.



High Chromium-Molybdenum Combining Tubes



Tube Alignment Products

Patented Infinitube Cuff System



Bolt-Thru Tube Cuffs



Clips



Alignment Bars



Hammers

AST 600C Wear Strips



Cast Wearback Elbow Patches