

## **SCW METAL CLUB – METAL CASTING FOUNDRY**

The Metal Club began production of a metal casting foundry two years ago and interest in this field continues to grow. The foundry combines the centuries old process of melting metal which is then poured into a sand mold of patterns produced by today's 3-D printers - old world meets new tech at the Metal Club!

Club members Earl Powell and Mike Bjur have led efforts to install a small foundry furnace with a crucible to melt aluminum, brass and bronze which is then poured into molds created by a 3-D printed pattern. This allows the team to cast a variety of aluminum and brass parts for specific car parts, personalized address plates, metal clamps, you name it!

If you have a specific project in mind that requires customized aluminum or brass casting, please stop by the Metal Club to discuss your needs with the Foundry team.

If you're interested in learning more about a wide variety of metal-related equipment, or making metal artwork, stop by the club located at 13849 W. Camino Del Sol for a tour and to meet club members. No prior experience is required; multiple classes are available. The club is open Mon – Fri from 8 – 4; weekends from Noon to 4pm. Call the club with questions at (623) 584-0150 or visit [www.scwmetalclub.com](http://www.scwmetalclub.com) for more information.

See Photos below.

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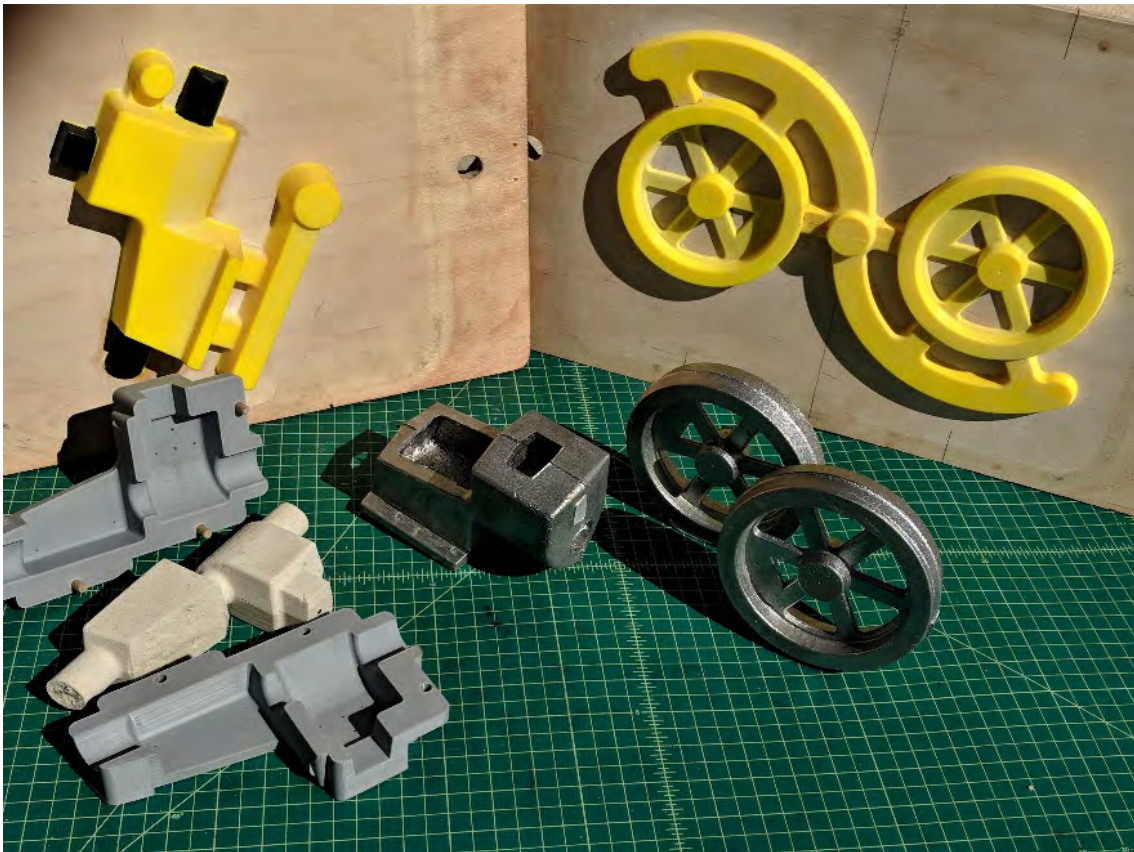
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The crucible located in the center of the foundry furnace melts the metal to pour into customized molds.



The foundry unit melts the metal to cast into customized parts.



Foundry casting molds are made by customized 3-D printed parts.



Metal Club Member Earl Powell holds the yellow 3-D printed mold that produces a cast aluminum part.



Customized car 'drag plates' are made at the Foundry.



Metal Club Members (L to R) Mike Bjur, Scotty Brooks, and Earl Powell discuss the casting process at the shop.



Metal Club Member Earl Powell displays  
Foundry castings at the 2019 Spring Craft Fair.

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