

# ACE OF CLUBS

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## IRON SET BLUEPRINTING;

WHAT IT IS, WHY IT'S EXPENSIVE & WHY IT'S WORTH IT FOR THE ACCOMPLISHED GOLFER

Here are the intricacies of blueprinting a 3-PW iron set:

- The shafts are presorted and checked for CPM consistency on a frequency machine/shaft profiler, even though they are supposed to come presorted from the manufacturer, when purchased in sets. This is called Brunswick, Royal Precision and now, True Temper's "Black Gold" Frequency Matching (20-25 minutes).
- Next is an initial check of each iron's loft & lie. A primary bend will have to be made, should the finished specifications be anymore than 1° off, as this could affect the consistency of the final swing weighting process. If they have to be tweaked upon completion, the club head hosels are protected, as they are in the primary bend, with a bronze shim to minimize marking by the bending machine procedure (20-25 minutes).
- The old shafts are pulled, hosel I.D.'s are cleaned, prepped, chamfered if necessary, and then each iron head is marked with its own respective weight (45-50 minutes).
- Check the depth of the hosels to make sure they are consistent for a new shaft installation (10-15 minutes).
- Prep all the shaft tips, find each shaft's spine on the electronic shaft profiler and mark them accordingly (20-25 minutes).
- Measure the shafts one by one, cut if necessary, to make sure the lengths qualify in precise, 1/2" increments (20-25 minutes).
- Weight-sort individual grips to within a  $\pm .5$  gram tolerance (10-15 minutes).
- Install a wooden dowel (optional) at the same depth from the tip, put on the grips, make sure they line up straight and stretch consistently for correct size (critical for corded grips). Install ferrules (30-40 minutes).
- Swing weight them, one by one, then mark individually for swing weighting adjustment (15-20 minutes).
- Install a lead plug, if necessary, and swing weight them one by one to make sure it's within MY acceptable tolerance of 1/8 to 1/4 of a swing weight point (30-40 minutes).
- Prepare the epoxy; assemble the club heads one by one, making sure the spined position is located in the correct plane. Equal amounts of epoxy are critical to maintain a consistent swing weight throughout the set (15-20 minutes).
- Let the epoxy dry a minimum of 8-10 hrs.
- Turn the ferrules individually and polish with acetone (25-30 minutes).
- Double check the loft and lie of each iron (15-20 minutes).
- Clean up the iron set with a unique wax to remove the acetone residue (10-15 minutes).
- Recheck the frequency of each individual club (10-15 minutes).
- Finished...

So, if calculated on the minimal time estimated, I spend about 4 hrs and 50 minutes on blueprinting a full iron set, not including additional wedges or a 2 iron, if applicable. Time does not include any trouble I may run into during this meticulous & detailed process.

**SPECIALIZING IN CUSTOM CLUB BUILDING AND TOUR-SPEC ALTERATIONS**