

MODEL 3200 BARREL SET INTERCHANGEABILITY

The basic gun is 12 gauge. A 20 gauge, 28 gauge and 410 gauge Barrel Assembly will be interchangeable with the 12 gauge Barrel Assembly in the basic gun. The Fore-end for the basic gun will be adapted to each Barrel Assembly of the "matched" set.

The marketing situations under consideration are:

1. A complete or partial set of Barrels as an original order.
2. A complete or partial set of Barrels retro-fitted to a basic gun.

The critical dimensions or specifications, the present processing methods and the proposed processing methods are tabulated in fig. 2. The present assembly technique to qualify the critical surfaces of the action is illustrated in fig. 1.

The objectives can be achieved in the Ilion Plant with a "custom job line" facility (3 or 4 machines) utilizing higher skilled labor and machine tool combination with $\pm .0002$ " repeatability.

This plan avoids the problems (1) caused by the interruption of regular production and (2) satisfying 2 levels of quality in the same manufacturing line.

MdeMayo:I
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