

REMINGTON / BOLT ACTION RIFLE  
DESIGN PROGRAM

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March 4, 1993

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**PHASE 1: PROJECT BRIEFING**

A Contours' representative will meet with the Client's project personnel to discuss the objectives and criteria that will form the context in which Industrial Design will operate. In addition, the scope of Contours involvement will be delineated relative to the Client's corporate capabilities. Pursuant to this meeting, Contours will prepare and submit a design proposal tailored to the needs of the Client's capabilities and specific requirements of the project. This proposal will segment the program development into a series of sequential phases defining the work to be accomplished, the time of completion, and the cost of each phase.

**PHASE 2: CONCEPT EXPLORATION**

Contours will prepare a series of sketches exploring form and detail options consistent with the criteria covered in the project briefing.

These sketches will be developed in elevation views, primarily illustrating the side profile of the gun as seen from the bolt action side. Additional views will detail specific areas of interest such as bolt details, scope mounts, grip area, butt plates, cheek blocks, receiver/barrel transition, etc. In addition the drawings will show color, material, and finish options. Product will be illustrated approximately 1/2 actual size. Upon completion, a meeting will be scheduled with Remington personnel to review the sketches and select specific designs for further development.

**PHASE 3: CONCEPT DEVELOPMENT**

Contours will prepare final design renderings refining and expanding upon the concepts selected in Phase 2. Again, these will show side views and any other view or perspective appropriate to illustrate detail. These drawings will be full scale to approximate in two dimensions the form and detail of the proposed design. Color, material, and finish variations will be depicted. At the completion of this phase, a meeting shall be scheduled to review the designs and select a final design direction.

**PHASE 4: PRELIMINARY LAYOUT DRAWINGS**

Upon selection of final design direction, Contours will generate preliminary layout drawings. These drawings will be full scale, showing all pertinent views, sections, details, and contouring. They will be dimensioned only to the degree required to enable Contours' model shop to construct a prototype. These drawings will be submitted to Remington for review and approval prior to prototype construction.

**PHASE 5: PROTOTYPE CONSTRUCTION**

Upon approval, Contours will construct a visual prototype. This model will represent all visual aspects of the proposed design in form, color, finish and detail. Contours will use metal components generated by Remington or model these components as required. Wood material will be supplied by Remington for modeling of the gun stock. Upon completion, a meeting will be scheduled to review the model.

**PHASE 6: MODIFICATIONS**

If, as a result of the Phase 5 review, changes are required, Contours will modify the prototype and again submit the model for final approval.

**PHASE 7: FINAL LAYOUT DRAWINGS**

Upon approval of the prototype design, Contours will prepare full scale layout drawings. These drawings will show all views of the design. Enlarged details and sections will be employed where required. All views will be fully dimensioned. All finishes, colors, textures, and materials will be specified. These drawings will provide the data base for production engineering part drawings.

**PHASE 8: ENGINEERING DRAWINGS**

Should Remington require assistance in the preparation of engineering part drawings, Contours will generate these as required.

**PHASE 9: MULTIPLE PROTOTYPES**

If multiple prototypes are required, Contours will construct these models. RTV rubber dies and cast rigid polyurethane will be used where appropriate. This may be employed to produce barrels, receivers, stocks, triggers, bolts, etc. Models will be weighted as required to simulate proper balance and feel.

**PHASE 10: PRODUCTION ASSISTANCE**

Contours will be available to assist engineering and manufacturing as the product proceeds toward production.

**PHASE 11: GRAPHIC DESIGN**

Contours has the capabilities to prepare graphic design and production art work for corporate and product logo, brochures, sales materials, P.O.P. displays, packaging and signage should Remington have these needs.