

Type RHA Deep Rolling Machine

The ECOROLL Deep Rolling Machine, Type RHA, is designed to deep roll the transition radii on bolt and screw heads. Finished components are used in **aerospace, power generation** and **high performance automobile applications**. Deep rolling increases cycles-to-failure so that treated components can function under high load conditions.

Deep rolling increases the material's tensile strength to 1400 N/mm² or its yield strength to 1200 N/mm².

The diameter to length ratio on standard machine tools makes deep rolling these parts difficult, if not impossible. But due to its design and size, the RHA Deep Rolling Machine can be easily integrated into the production line. The standard RHA machine is designed for manual operation, but applications for automated production are available by request.

The RHA machine deep rolls bolts and screws with various head types in a diameter range of 5–20 mm. The deep rolling head can be easily exchanged to accommodate various diameters. The maximum possible component length is 100 mm.

