

Automatic Recessing

Cogsdill offers the widest array of standard tooling and the broadest range of solutions for precision grooving, recessing, and internal and external facing and chamfering.



We will design and manufacture a complete tooling package for your application, including **Automatic Recessing heads, cutters and pilots.** The wide variety of standard recessing heads described in this catalog are available from stock to suit most applications and machines. Special recessing heads can be designed and manufactured for unusual applications.

GREATER ACCURACY, SHORTER CYCLE TIME, LOWER COST

Cogsdill Automatic Recessing Tools will save you time and money. Cycle time is reduced from minutes or hours to **seconds**. The **precision is built into the head** so that grooves and recesses can be machined with **exceptional accuracy and repeatability**. The **Automatic Recessing** head changes the operational direction by 90° (i.e., axial spindle motion is converted to radial cutter movement). Recessing operations can be performed on a variety of machines, even on a drill press.

SUPERIOR CRAFTSMANSHIP

All moving parts in our recessing heads are hardened and precision ground to ensure lasting accuracy and low maintenance costs. Close tolerances virtually eliminate “backlash” during retraction, for accurate size on groove width as well as depth. All sliding surfaces have large, hardened, load-bearing areas for long life and durability.

SUPERIOR CONSTRUCTION

Compression of the head between the machine spindle and the workpiece or jig plate actuates a sliding inclined wedge mechanism, thereby extending the cutter. Groove depth can be machined with great accuracy.

The cutter retracts radially prior to axial withdrawal of the tool from the bore, for accurate control of groove width. This design also results in a constant linear relationship between spindle movement and cutter movement. The straight-line movement of the cutter makes cutter regrinding easier.



AR Recessing Head



ARX Recessing Head



ARSP Recessing Head



Nobur®JA-2000 Tool



Nobur®JA Tool



*Cutaway view of parts machined using Cogsdill Automatic Recessing Tools.
Grooves and recesses are machined with exceptional accuracy and repeatability.*