

### **U-Tier® Automatic Rebar Tying Machine**

The U-Tier Automatic Rebar Tying Machine was introduced in 1998 and is fast becoming a workingman's best friend. U-Tier is uniquely designed to replace the manual and backbreaking process of tying rebar. U-Tier saves contractors both time and money and is the first product of this type.

U-Tier holds the crossed reinforcing bars, feeds the tie wire, winds, cuts, and ties in one action. The result is a strong, single strand, double wrap tie. It is the only machine available in the world to tie 1 mm (18 gauge) diameter wire. Each tie is a double strand tie, which is completed in 1.6 seconds. U-Tier decreases wasted wire and is the most economical machine in the marketplace. The suggested retail price of the U-Tier machine is approximately \$1,800. U-Tier can be used in numerous applications including highways, roads and bridges, concrete slabs, precast/prestressed, electrical vaults, foundations, cages, and manholes.

The machine runs on a 12V Nickel-Cadmium battery and can perform up to 450 ties between recharges. The machine is lightweight weighing between 6-7 pounds. U-Tier machines require purchasing wire from U-Tier. The wire is sold by the case and there are 40 spools in each case. Each spool will produce 120 to 200 ties so a case of wire will tie a minimum of 4800-8000 ties. U-Wire retails for approximately \$120/case. The cost per tie varies between 1.5 cents to 2.5 cents per tie.

Advantages of U-Tier include saving time through productivity improvements, reduction of on the job injuries, consistent results, and reduction of material costs by decreasing wire consumption. U-Tier is an innovative, state of the art machine that is changing the way reinforcing steel is tied and vastly improving the ergonomics of the task.

Contact: Takaji Nishimaki • U-Tier / A Division of Toyojamco, Ltd. • 11831 Miriam, Suite A7  
El Paso, Texas 79936 • 915-595-8825 ext. 22 • Fax 915-595-8794 • [takaji@u-tier.net](mailto:takaji@u-tier.net) • [www.u-tier.net](http://www.u-tier.net)

**U-Tier® Automatic Rebar Tying Machine**



**Figure 1. U-Tier VUT Model**



**Figure 2. Demo of U-Tier being used.**



**Figure 3. U-Tier HUT Model**



**Figure 4. Photo of tied joint.**



**Figure 5. Schematic of joint tied with U-Tier**