

## ROYAL ROLLER

Ever wonder what the Knights of the Round Table used to make that table, and then to keep their armor polished so they looked good sitting around it? Chances are good that it wasn't Guinevere – and certainly not the new Guinevere Sanding and Polishing System from King Arthur's Tools. The company's latest offering, the result of a partnership between the Tallahassee, Fla., company and the Swedish manufacturer Kirjes, is a complete, miniature sanding system using flexible inflatable sanders. The patented system easily eliminates hours of laborious hand sanding while creating a smooth, velvet finish that is truly unique.

Guinevere uses two inflatable rubber drums, one flat and one round, which accept sanding sleeves in a variety of grits. The drums can be attached directly to the quiet 1/2-hp, 300-watt motor, or connected to the motor with a flexible shaft.

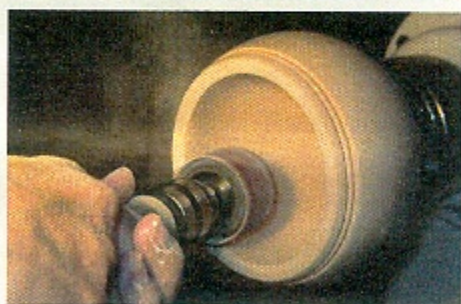
The sanding drums conform to the shape of the workpiece – concave, convex or flat – making it great for finishing small to medium carvings, boxes, bowls, musical instruments, duck decoys, walking sticks, fine furniture, toys, spoons, 3D-intarsia and more. The dome-shaped round sander is also particularly well suited for round, curved, bulging or cup-formed shapes.

The sanding drums are inflated through an inlet in the drive shaft underneath each sander. Because the air inlet design leaves the bottom flat with no protruding valve, it's possible to make superior cylindrical drum sanders as well as a rounded sander with a dome shape at the business end. It doesn't

take much air to fill the drums, allowing them to constantly flex and change shape as it contacts the surface of the workpiece.

Although the drums can be mounted on the base motor for certain applications, the unit's real strength is when the drums are paired to the flexible shaft. The shaft's vibration-free design is optimally matched to the mandrels on each sander for an ideal combination. With a maximum reach of 51", the flexible shaft is intended for low-speed use of around 3,000 rpm. The flex shaft has two encapsulated ball bearings in the hand piece and one in the drive end, and is rated between 3,000 - 10,000 rpm.

A full Guinevere system sells for about \$315, but many of the components, as well as additional sanding sleeves, are available separately..



The "Guinevere" Sanding and Polishing System from King Arthur's Tools can be used for a wide range of shop chores.