



Key Ring Assembly Machine

The Worth 90040 Key Ring Assembly Machine provides a semi-automated solution for the assembly of parts to our lightweight line of key rings. The machine feeds rings from a vibratory bulk feeder to an assembly station. The parts to be assembled (key fobs, tags, other rings, etc.) are hand placed on a custom fixture. When the machine is cycled, the key ring is opened and rotated onto the assembly items. The machine eliminates the repetitive wrist rotation required by manual assembly of key rings, which can be a contributing factor to wrist fatigue and carpal tunnel issues.

The Worth 90040 can be built to accommodate Worth Lightweight series key rings size 3 and larger. The cycle time is approximately 2 seconds per piece. With loading and unloading it allows for assembly of approximately 20 pieces per minute. Requires 110-volt power and 90 psi air supply.

Weight: 195 lbs.

Width: 22" **Depth:** 21" **Height:** 17"

Key Ring Assembly Machine

Catalog No.	Description	Cost
90040	Key Ring Assembly Machine with feeder	\$11,900.00
90060	Key Ring Assembly Machine without feeder	8,300.00

Model 9000 Split Ring Assembly Machine

The Model 9000 Assembly Machine substantially reduces operator training in assembling component parts, allowing users to become proficient in a very short period of time. It also eliminates fatigue and harmful rotary wrist movement often found to be a problem in manual operations.

The Worth Model 9000 Split Ring Assembly Machine is a fully automated self-indexing device for attaching split rings to one or more independent components. Rings are fed from a vibratory supply bowl to a transfer arm which relocates the ring between four rotating fingers. A sensor arm then locates the opening in the ring, indexing and opening it at the front of the machine. Parts may now be applied to the ring.

Upon actuating a foot switch, the ring is rotated to complete the assembly of the part, then released and a new ring is brought into position. Minor adjustments are required to convert between size 4 fine and size 5 fine split rings. Modification kits are available for sizes 2-1/2 fine, 3 fine and 6 fine.

The assembly machine utilizes solid state proximity sensors to check ring position thereby eliminating mechanical switch adjustments and fatigue. Air cylinders are used for mechanical actuation to reduce heat, wear, and eliminate electrical shock hazards. All movements are controlled by a solid-state programmable computer.

Catalog No. 90000 **Weight:** 116 lbs. **Cost:** \$18,975.00

Please call for complete specifications and availability.

