

RotoTec kit includes gun and four modules of powder, including Xuperbond, the key to the process. It produces strong bond on all metals except copper and is the only powder needed for most jobs.

DO-IT-YOURSELF KIT SAVES TIME, EXPENSE

New Process Repairs Worn Bearing Surfaces

If you already own a metal working lathe and have oxyacetylene tanks and gauges, you'll be interested in a revolutionary metal coating system that allows you to build up worn shafts and other bearing surfaces in a matter of minutes.

Called the RotoTec Gun, it could be the single most important shop tool you've purchased for your farm shop in a long while. You can learn to operate it in half an hour and, for an investment of \$339 in the RotoTek Gun Kit, can do high quality machining right in your own shop.

A key feature of the do-it-yourself process is that temperature of the piece being worked need never exceed 500°F, eliminating warping and distortion of the shaft. When returned to service, the RotoTec-repaired portion will outlast the original part, says the manufacturer.

Here's how the 3 step process works:

1. Preparation: After cleaning, set up the part in the lathe. Undercut the worn bearing area, then thread the undercut section.

2. Spraying: After slight preheating, spray on a thin layer of Xuperbond bond coat powder. This is the key to reliability of the RotoTec process. No extra "fashion" step is required. Only negligible heat is transmitted to the part and no part need ever reach temperatures over 500°F.

3. Finishing: Without removing the part from the lathe, set the carbide cutting tool for standard machining. After one or two cleanup cuts and a finishing cut, the bearing area has a smooth, gleaming "new" surface and is ready to go back into service.

"With the RotoTec kit, you can make professional, long-lasting repairs on worn shafts, journals and bearings — repairs that may take several days to have done in a blacksmith shop," the manufacturer points out.

For more details, contact: FARM SHOW Followup, Eutectic-Castolin Institute, 40-40 172nd St., Flushing, N.Y. 11358 (ph. 212 358-4000).

Repair Anything Made of Aluminum

You can repair virtually anything made of aluminum or aluminum alloy with easy-to-use Alum-Nu welding rod.

"Works great on aluminum irrigation pipe, motor housings, oil pans and dozens of other products made of aluminum," explains Larry Smith, president of Agricultural Industrial Marketing (AIM), Bromfield, Colo. "No special knowledge or skill is required to use Alum-Nu and you don't need any acid, flux or other additives.

The secret is to rub the rod vigorously with a scrubbing motion around the area to be repaired to

build up an excess of melted rod around the break."

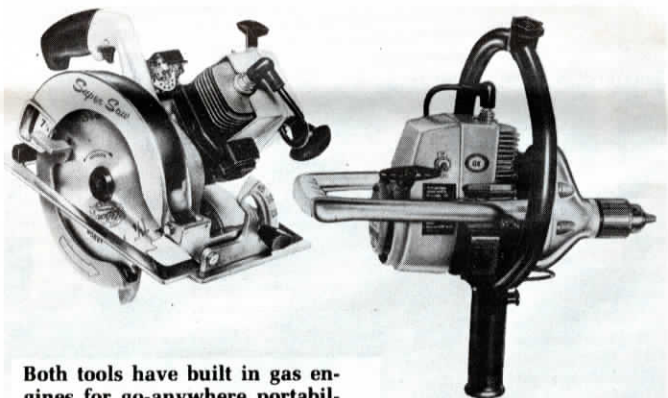
For large holes or cracks, a patch may be required. To repair thick or cast aluminum, you simply bevel the edges, whether it be a crack, hole or two pieces of metal. Vertical repairs can be made with Alum-Nu, which has a tensile strength of 45,000 psi.

One box of 5 rods sells for \$12 per box.

For more details, contact: FARM SHOW Followup, Agricultural Industrial Marketing, Jeffco Airport, Exec. Bldg., Bromfield, Colo. 80020 (ph. 303 466-6218).

FARM SHOW

**New
Products
For Your
Farm
Shop**



Both tools have built in gas engines for go-anywhere portability.

NO ELECTRICITY NEEDED

Gas-Powered Shop Tools

Gas engines operate a new-style circular saw and power drill introduced by Piston Powered Products.

Both tools have built-in 2 cycle, air cooled engines for go-anywhere portability without having to worry about batteries or electricity.

The variable speed Piston Drill is no heavier or larger than a conventional ½-in. electric drill, yet does the same job on its own power. And, unlike an electric motor which develops full torque when the drill stalls, the Piston Drill develops no torque. It weighs 12 lbs. and is available with an angle-drive adapter for right-angle

drilling. The gas tank is built right into the combination protective ring, carrying and push handle.

Weight of the Super Saw is also 12 lbs. It reportedly takes less fuel to operate for the duration of a cut than it does to run a generator to provide power for an electric saw. Makes up to 150 cuts through a 2 by 4 on a tank of fuel. Blade diameter is 7¼ in.

For more details, contact: FARM SHOW Followup, Piston Powered Products, 14805 South Interstate 10, Tempe, Ariz. 85284 (ph. 602 963-9693).