

DIXIE

GRINDERS INCORPORATED

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COMPANY HISTORY

Dixie Grinders Inc. was founded in scenic Guntersville, Alabama in August of 1984 by industry veterans Gene Grant, Roger Wiley, and Bill Sellnow. We began our business by selling cutting parts and rebuilding the feedscrews, heads, rings, hoppers, and gearboxes of industrial meat grinders. As time progressed, we began building our own versions of these major components and we now offer our own complete grinder unit, the model 11-9. In February of 1995 we moved into our current facility and we now do the majority of our manufacturing in-house. This further enables us to keep prices low and quality high.

SAFETY

Dixie Grinders Inc. strives to maintain a strong commitment to safety. Every one of our new machines is sold with a hopper guard, a plate guard or transition funnel, and the proper warning decals. Our new products are designed with safety in mind. Our new FSP2001 feedscrew puller, for example, has innovative safety features such as fenders in front of the wheels to protect the operator's fingers, a heavy-duty latch that prevents the wheels from rolling after the feedscrew is pulled out, dual caster jacks that keep the FSP2001 stable and level on

The Dixie Grinders Inc. Model 11-9

high production meat grinder is USDA approved and is available in many different configurations. It can be set up to grind a variety of fresh and frozen products including poultry, pork, beef, and animal by-products. Options include our BCA-2 bone collection system, double plate assembly, triple plate assembly, and transition funnels.

The major components of our 11-9 grinder are interchangeable with the Weiler® and Company model 1109 grinder. However, we have made improvements to our components wherever possible.

In addition to complete units, Dixie Grinders sells parts for the 11-9 and other models and brands of meat grinders. We also rebuild Dixie Grinders and Weiler® feedscrews, heads, rings, hoppers, and gearboxes.



MODEL 11-9B GRINDER UNIT

Our **feedscrews** are designed to use a larger centering pin, which better supports the weight of these approximately 300 pound feedscrews. Our feedscrews use a spring that not only allows the grinder to cut cleaner, but also reduces pin hole wear. The AISI 1045 steel flighting on our feedscrews is heat treated in a manner that hardens the cutting edge while leaving the base material undisturbed. This method produces a long transformation area where the steel toughness, its yield strength, is not compromised. When a small piece of metal falls into our machine, the edge on the feedscrew will deform, but not break. When we rebuild a feedscrew, we do not simply weld it up like some other companies do! We turn the feedscrew down, and then weld a new AISI 1045 steel bar over the existing flighting. The feedscrew is then ground and machined to the proper outside diameter and heat treated. This process gives us a wide, virgin steel cutting edge. The pressure flights are also rebuilt (or replaced if needed) and the drive spline and pin hole sleeve are typically replaced. Our rebuilding process allows us to rebuild a feedscrew many times before it must be replaced.



SIDE VIEW

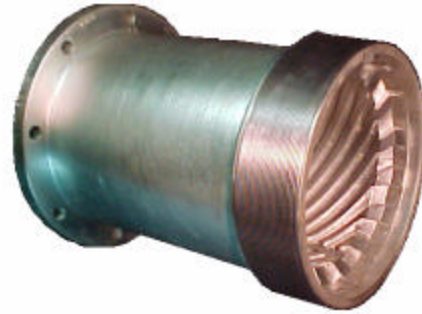
11-9B FEEDSCREW, P# DGW3-9-76-R



END VIEW

Our **heads** are machined out of a solid piece of carbon steel mechanical tubing. Heads are available with 16 or 9 spiral flutes or 12 straight flutes. All of our 11-9 heads and rings are available with the standard 8 TPI V threads or our new 4 TPI ACME threads.

When rebuilding a head, the spin flutes and spin lugs are rebuilt or replaced depending on their condition. On spiral fluted heads, the flutes are welded up and then ground and machined to the correct inside diameter. On straight fluted heads, the flutes can be rebuilt or completely replaced if necessary. If the threads need to be replaced, we can replace the thread collar and



11-9B SPIRAL FLUTED HEAD, P# D2574



11" SINGLE-BRIDGED RING, P# D2892

The front end of our **hoppers** have been redesigned to improve the product flow into the head. One of these improvements is the addition of an extra flute which helps keep the product from spinning. Our hoppers are machined in a way that insures that the flanges are parallel and concentric and that the spacing of the bolt holes is accurate.

Hopper rebuilding is an area that is overlooked by many processors. A typical hopper rebuild consists of rebuilding the spin ridge, the seal area, and other areas if needed. We can also add our extra flute to hoppers that do not already have one.

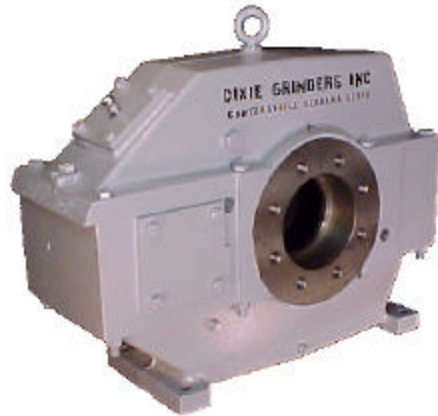
The bridge on our standard **rings** is further away from the plate, which lessens the possibility of meat building up on it. The bridge supports are made from square bar put on edge; this prevents meat from building up on the supports when the ring is in a vertical position.

We also offer a new line of light duty single-bridged rings which weight under 50 pounds. When we rebuild a ring, the thread area, plate area, and center support area are all welded up and remachined. On bone collector rings, the BCA ferrule can be replaced, and we add a protector flange if the ring does not already have one.



11-9B HOPPER, P# D2082

Our **gearboxes** are cast of 65,000 tensile steel rather than iron. This makes our gearbox much more rigid, which keeps the gears operating at their correct center distances and prevents rapid gear wear and tooth failure. Only maximum capacity bearings and Browning Class 12 gears are used in Dixie Grinder gearboxes. The improved oil flow and increased oil capacity of our gearboxes helps keep them running cool. We also offer rebuild kits and complete rebuilding service for Dixie Grinders and Weiler® gearboxes.



GEARBOX HOUSING



Our **plates, bushings, centering pins, knifeholders, and knife inserts** are manufactured by Speco® Inc. to our specifications.



Dixie Grinders manufactures several tools to aid in the assembly and disassembly of our grinders. Shown above are our insert remover, ring wrench/feedscrew insertion tool, and plate lifter. Feedscrew pullers, feedscrew carts, pin pullers, and ring removers are also available.

We do our own electro **tin plating** right here at the factory. Electro tin plating meets the life of hot tin dipping, and it provides a very even coating. Having our tin plating in-house gives us complete control over the process and the ability to do same-day rush tin plating jobs.

Dixie Grinders are designed and manufactured in the **USA** using **American made** materials and components wherever possible.

For more information about our products and services, call us at 1-800-745-0586.

Dixie Grinders Inc. is a member of the Business Council of Alabama, the Alabama Poultry & Egg Association, and the Marshall County Manufacturers Association. Equal Opportunity Employer.