



Roto-Thresh expects to have 65 new "rotary" models working throughout the U.S. in 1977 in both corn and small grain country.

ROTARY ACTION SEPARATES GRAIN

New Rotary Combine

There's a good chance that a revolutionary rotary combine from Canada will be operating in corn, soybean or small grain fields in your neighborhood this year.

"We expect to have about 65 models working throughout the United States," Marsun Lipsit, general manager of Western Roto Thresh, told FARM SHOW. "We also plan to show the new Roto Thresh at several fairs and shows."

In designing the new combine, under development since 1965, en-

gineers completely eliminated conventional straw walkers for grain-chaff-straw separation. It uses a completely new "rotary" concept to separate grain from straw or stalks by spinning it in a huge perforated steel drum measuring 66 in. in dia., 108 in. long and having about 21,000 sq. in. of separating area. Centrifugal force lets grain pass through the perforations and to the grain cleaner, with straw and chaff dropping free of the drum and out the back end.

"It'll handle large volumes of

straw, cornstalks or soybean residues without wasting grain," explains Lipsit. "Others have tried to copy the basic design, but to date, no one has succeeded. You hear terms such as twin rotary cylinders and rotary power but this is the first and only rotary separation concept."

"Because grain is being forced out of the straw by centrifugal force around the circumference of the drum, the separation works equally well on sidehills with no buildup of straw on one side, as with conven-

tional combines," Lipsit points out. "Straw walkers are less efficient because they rely on the bouncing action of the straw towards the rear of the machine."

Price tag on the new combine, completely equipped, is right at \$46,000. It's available with direct cut headers (up to 24 ft.), row-crop headers (up to six rows) and a pickup header.

The new-style combine uses a conventional 8-rub bar cylinder (48.4 in. wide and about 22 in. in dia.) and a 10 bar concave.

Another exclusive on the Roto Thresh is its Aspirator System. "It works on a vacuum principle, removing the largest percentage of chaff from threshed grain before it reaches the cleaning section," explains Lipsit. "A larger amount of grain can be handled on the cleaning shoe with less loss because you are separating basically clean grains and unthreshed heads or pods. Just set the wind on the shoe and sieve opening like any conventional combine that you are used to and the same low loss occurs in any crop." The Aspirator system was developed and patented by the Department of Agricultural Engineering, University of Saskatchewan, Canada's leading combine research facility.

For more details, contact: FARM SHOW Followup, Western Roto Thresh, Marsun Lipsit, General Manager, 818 43rd St. East, Saskatoon, Sask., Canada.

ADAPTS DEERE HEADER TO MOST COMBINES

Quick-Tach Kits for Combines

Business is booming for a Nebraska custom-operator and his Quick-Tach kits for adapting Deere headers to most popular makes of combines.

Harvey Bish, of Giltner, has been designing "mix and match" adapter kits for putting one company's header on another company's combine or field chopper for the past 20 years. Popularity of the new Deere headers has triggered nationwide demand for his tailor-made Bish Adapter Kit. It allows the new Deere headers to be used on other makes of combines without having to do any retooling or revamping of either the headers or your combine. Bish designs and markets the adapter kits which are made to his specifications by a local machine shop.

Kits now in production allow Deere headers (both cutter bar and row crop) to be used on the following combines: Gleaner models L, M, G and C; International 815 and 915; Massey Ferguson 510, 750 and 760; and New Holland's new Twin Rotor and models 1400 and 1500. A kit adapting Deere headers to White

combines is "in the research hopper."

Cost of Bish Adapter Kits for do-it-yourself installation is right at \$700. Another popular custom conversion, which requires bringing the header to Giltner to alter the frame, is to offset Deere model 644 corn heads so the combine wheels run between the rows rather than on them.

Through the years, Bish has marketed Quick-Tach kits for a wide variety of "mix and match" combinations. One of the most popular several years ago, for example, was a kit which adapted older model Deere cutter bars to model 105, 95 and 55 Deere combines.

If you've considered a particular "marriage" of one company's header with another company's combine, chances are Bish either has designed a Quick-tach kit for the conversion, or he can tell you why the particular "marriage" isn't feasible.

For more details, contact: FARM SHOW Followup, Harvey Bish, Giltner, Neb. 68841. (ph. 402 849-2261).

