

Small Scale Threshing Equipment

The most basic thresher is a treadle powered machine FT 370. Threshing drum turns when operator uses one foot to pedal the machine just as early sewing machines were powered. Bundle of the crop is held with grain heads over threshing drum while teeth on drum strip grain off and drop onto ground behind machine.



Dimensions 27.5" x 17.3" x 40"
Net Weight 38#
Capacity 25 bushels / hour
Shipping 28" x 17" x 21"
Gr. Wt. 42# carton
Cube 5.8 cu ft.



Dimensions 31.5" x 21.6" x 34"
Net Weight 60#
Drum 14" diameter x 14.5" width
Capacity 4 bushels / hour
Shipping 25" x 22" x 26"
Gr. Wt. 72#
Cube 8.28 cu ft.

The grain mixed with bolls and bits of straw is then picked up and winnowed to get clean grain. The winnowing can be done with a hand cranked machine or its motorized version. Price about \$1,200—\$1,600 Fob Portland, Oregon.

A higher capacity and more versatile bundle thresher is the Cicoria Plot 375 that threshes and cleans grain and other seeds. Plexiglas door permits you to observe action and allows a quick clean out between crops threshed. Can be engine powered or by electric motor. Price \$15,000 delivered from Italy to your nearest port.



If you need more production for threshing rice, wheat, and similar cereals as well as small beans then the motorized Trexia unit is for you. Either with its own gas or diesel engine or in a PTO driven version it can put out over a 1,000 lbs. per hour. It is sold in Africa, North Africa and Middle East to cooperatives for entire villages to use. It is

simple and well made and quite compact. It includes a separate seed cleaner attachment. Price \$11,000 for PTO version, delivered from Italy to your nearest port.



A still higher capacity model is mounted on a trailer and requires 35 HP PTO input. About 10 ft. long and just under 5 ft. wide and weighing 770 lbs. it is well suited to small farms. Supplied with a variety of sieves it threshes cereal grains as well as garbanzos, lentils and broad beans. It is made in Turkey and costs \$13,000 delivered to your closest port.



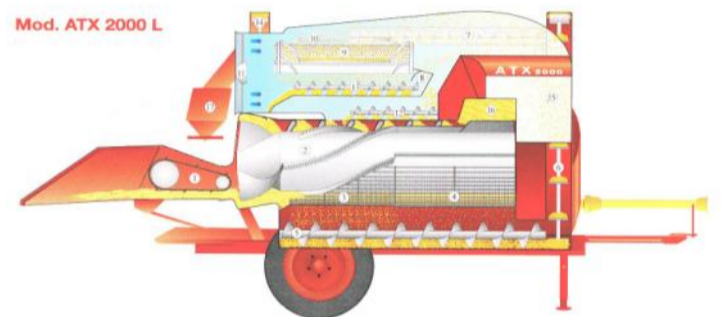
The top of the line pull type thresher is Cicoria ATX 2000L. This



machine uses an axial flow threshing cylinder. This system keeps crop in contact with threshing cylinder and concaves as crop spirals along, this longer

contact recovers more of the product. This system allows thresher to handle virtually any dry seed crop including very small seeds like clover and those hard to thresh. Conventional threshers have the cylinder at right angles

to crop flow through thresher. The ATX is driven by PTO shaft from the tractor pulling it or by its own on-board engine. Price of the PTO versions is \$35,000 at closest port.



The smallest combines are head threshers suitable for cereal grains only. As in the bundle threshers shown previously, by threshing only the seed heads it saves power and keeps machine simpler. The operator discards the bulk of the stalks by holding on to it until grain is off. The Mitsubishi 502 walking combine cuts grain at ground level, gathers it by its stalk and carries up to threshing cylinder.

Stalks are rotated so only grain end contacts threshing drum and bulk of stalk is discarded without entering thresher. A six horsepower gas engine powers combine as it crawls on rubber tracks guided by driver walking at rear. Combine cleans grain and puts in a bag at drivers left. Price \$25,000 Fob Portland, Oregon.



The same combine now can be ordered with a seat so it can be driven as well as operated from behind. Price \$28,000