

Micro Grain Combine

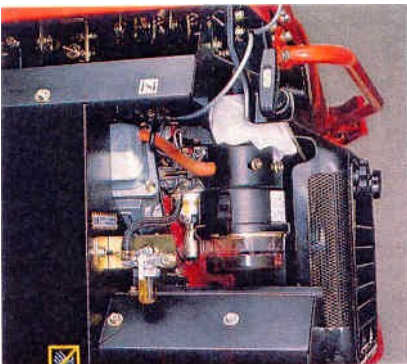
A commercially proven combine that is guided by operator walking behind it harvests much of the grain produced in South East Asia. This Mitsubishi product is available in USA and can harvest paddy rice, upland rice (dry land), wheat, barley, triticales and similar cereal grains. Known as a head thresher it cuts grain stalk at ground level, gathers and carry's stalk up to a threshing drum, lays grain heads over so that grain is stripped off and discards straw in way that keeps it out of threshing system. Because only grain heads are dealt with, little horsepower is needed to power combine and grain is well cleaned and conveyed to a bagging unit at rear of combine.

The cutting head is just 25" wide so production is about an acre per 9 hours (a common Rice combine here is Northern California with a 24 ft header generally harvests 25 acres per 8 hours).

This little combine costs \$25,000 Fob Portland, Oregon i.e. about 20% of the cost of a custom made research combine of about the same size. "Mass produced" research combines from Europe start at \$125,000. Considering that this walk behind unit allows one operator to cut, gather and thresh an acre of grain in a day's work, it is quite efficient. Its compact size and low weight allows that same one operator to load it into bed of standard pickup truck for easy transport.

For \$26,000 you could buy a MLP140 reaper/binder and a Trexia stationary thresher, each capable of producing a far higher output of threshed grains per day but as a practical matter requires several operators working in a coordinated fashion. Thus the output per man/day may not be very different from the combine.

The reaper/binder/thresher system will be the way to go if your crop diversity includes more than cereals, i.e. includes Sesame seed, soybeans, Chicory dry beans, sorghum, etc. These crops do not grow in a configuration that the Mitsubishi 502 combine can handle.



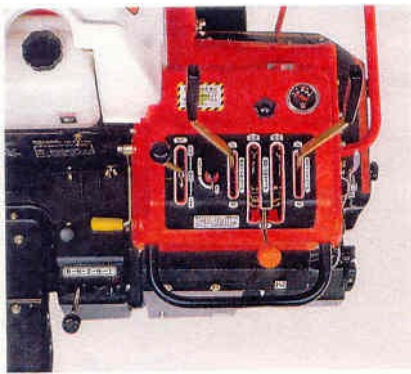
#1 Powerful 10 H.P. and quick start:
For comfort operation Powerful
7.5—10 H.P. engine mounted on a
compact body. Quick start and de-
signed for low vibration and noise.



#2 Because the crawler width is smaller
than the reaping width, any kind of reap-
ing is possible. Unique forced pulling
system makes any leaned crop to be
reaped.



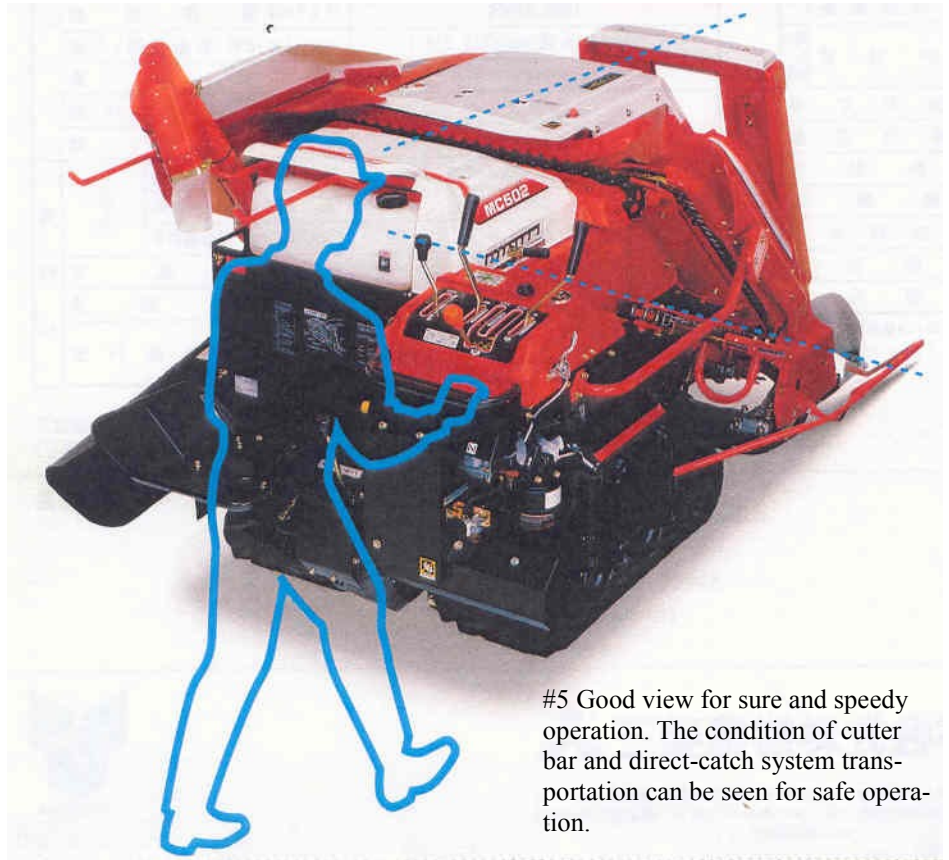
#3 Wide crawler
Safe travelling on any kind of field con-
dition, especially on wet field.



#4 All the operation levers are in one place. 4-forwards and 2-reverse. Double tension system to choose low and high speed by one lever. Traveling clutch connected to reaping section easily starts and stops the front part rotation.



#6 Roomy top/upper section Threshing with space return system, which does not put back paddy into threshing chamber. Clean separation. Efficiency emitting long straw because of attached straw rack.

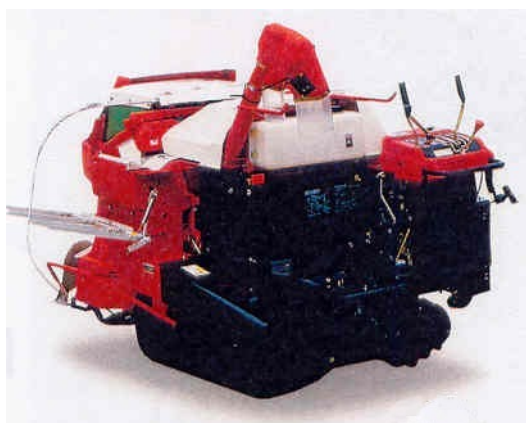


#5 Good view for sure and speedy operation. The condition of cutter bar and direct-catch system transportation can be seen for safe operation.

#10 Safety cover attached on all the rotating parts. Steering clutch can be changed to the parking brake by easy operation.



#7 Easy adjustment of reaping height by hydraulic lever as well as the adjustment of threshing depth.



#8 Dropper as attachment will drop the straw at a certain amount for easy collection of straw.



#9 Easy change of grain bag because of bypass pipe. Warning buzzer in case of full grain in a bag.