

COMBINE HARVESTER



Combine harvesting

Features

combines cutting, threshing, cleaning and hauling

tracks for mobility in wet fields

Advantages

high capacity

low total harvest losses

Disadvantages

Requires relatively large field sizes

Problem in terraced fields



Tractor operated combine harvester



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Combine harvesting

Cutting, hauling, threshing, cleaning in one combined operation

Capacity: > 0.5 ha/h

Labor requirement: 1 Operator

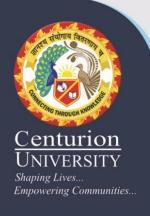
Combine harvester (wheel type)

Capacity:1 acre/h

Cost: Rs 12,00,000/-







PARTS OF A COMBINE

HEADER UNIT
FEEDING UNIT
THRESHING & SEPERATION UNIT
CLEANING UNIT

Tractor operated combine harvester

Capacity: 1 acre/h

Cost: Rs 6 lakhs



स्वामाय वितास

PARTS OF COMBINE HARVESTER

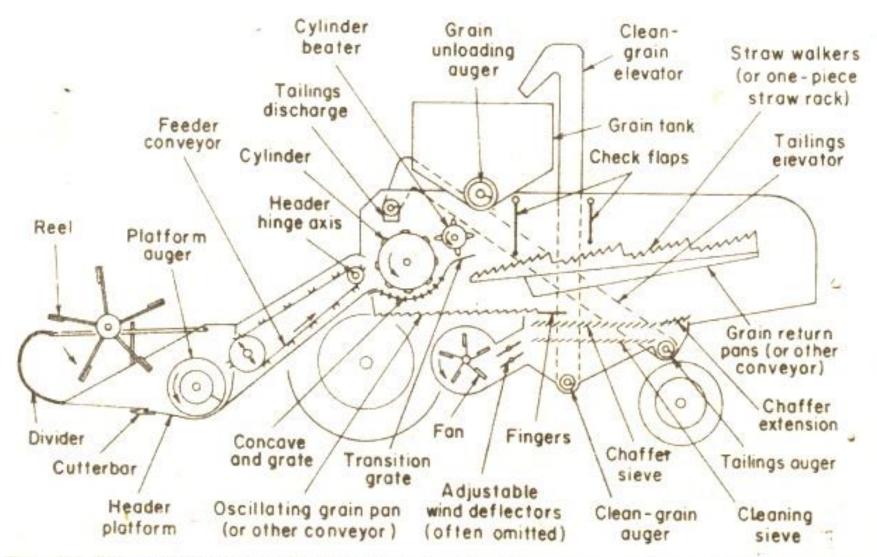
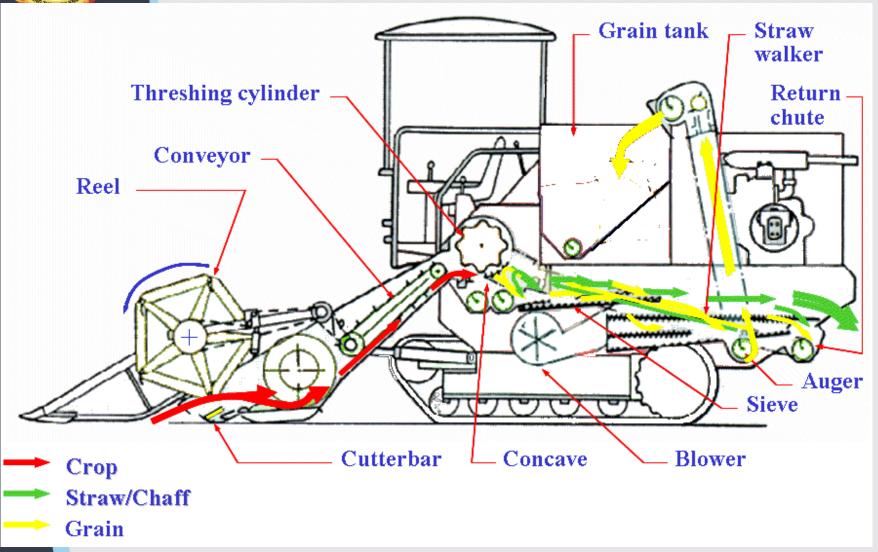


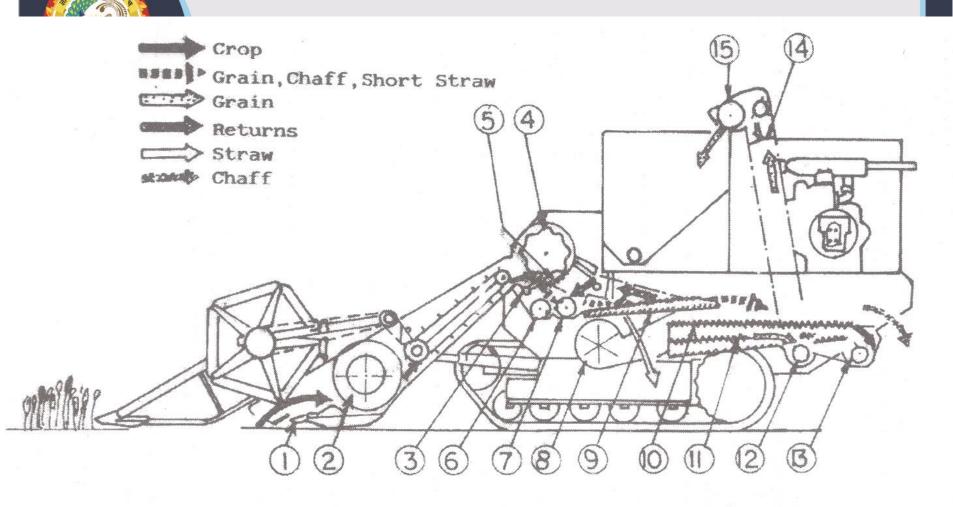
Fig. 17.1. Schematic arrangement of the basic functional components of a typical self-propelled combine.



Combine harvester



CROP TIGER COMBINE



- 1. Cutting knife
- 5. Concave & separating cage
- 9. Preparation floor
- 13. Return auger

- 2. Feeding auger
- 6. Front conveying auger
- 10. Upper frog-mouth sieve
- 14. Clean grain elevator

- 3. Stone trap
- 7. Rear conveying auger
- 11. Lower frog-mouth sieve
- 15. Grain tank filler auger
- 4. Threshing drum/separating rotor
- 8. Blower
- 12. Clean grain auger

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COMBINE HARVESTER

