The Bi-Rotor™ Combine

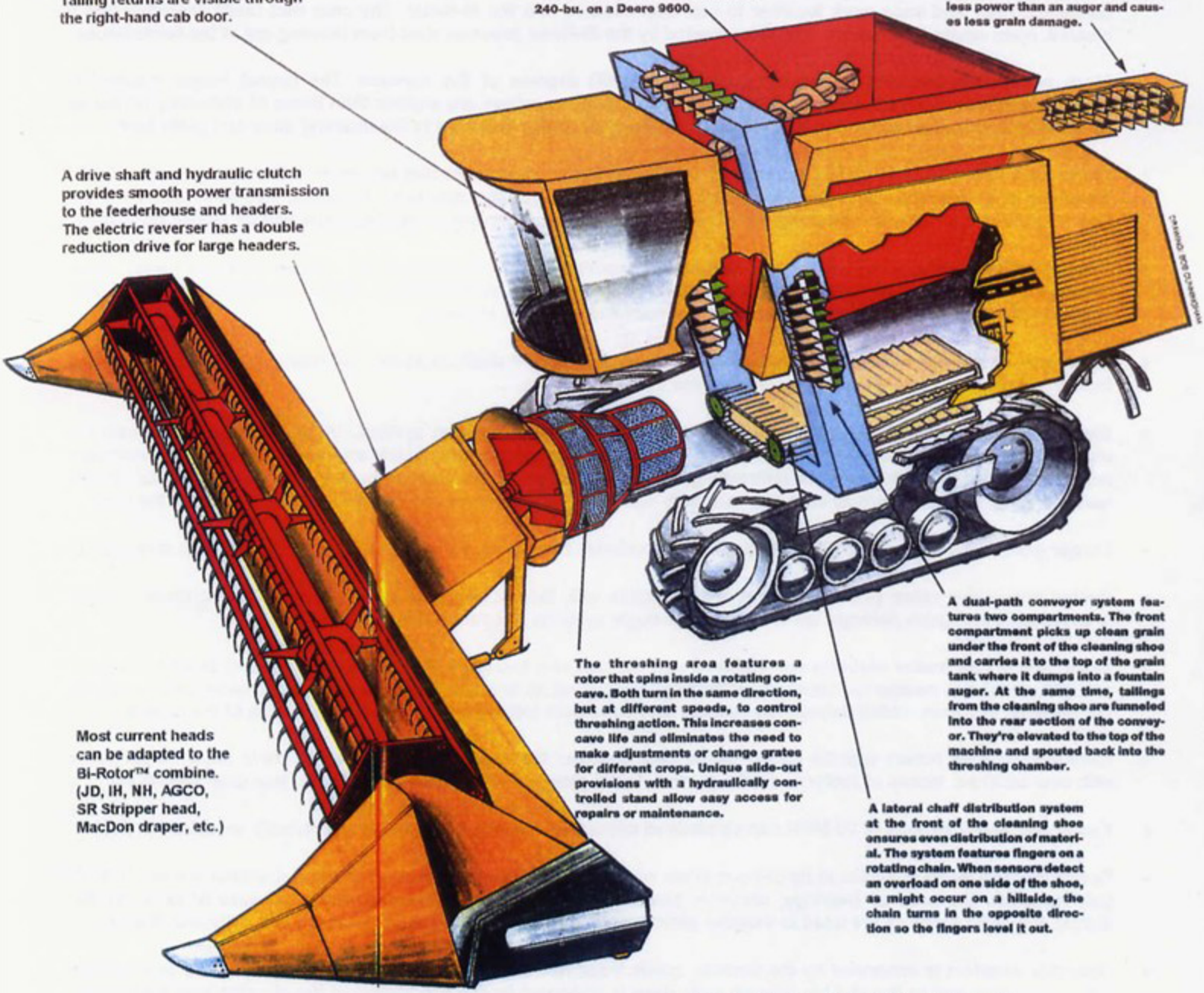
"HARVESTING TECHNOLOGY OF THE FUTURE"

The right-hand console and T-stick steering control improves forward visibility and performance. Tailing returns are visible through the right-hand cab door.

The Bi-Rotor combine features a 400-bu. grain tank compared with a 210-bu. tank on a Case IH 1688 and 240-bu. on a Deere 9600.

A paddle conveyor unloading system is designed to handle 3-3.5 bu. per second compared with 1.9 bu. per second and 2.2 bu. per second for the comparable Case IH and Deere models. The conveyor consumes less power than an auger and causes less grain damage.

A drive shaft and hydraulic clutch provides smooth power transmission to the feederhouse and headers. The electric reverser has a double reduction drive for large headers.



Most current heads can be adapted to the Bi-Rotor™ combine. (JD, IH, NH, AGCO, SR Stripper head, MacDon draper, etc.)

The threshing area features a rotor that spins inside a rotating concave. Both turn in the same direction, but at different speeds, to control threshing action. This increases concave life and eliminates the need to make adjustments or change grates for different crops. Unique slide-out provisions with a hydraulically controlled stand allow easy access for repairs or maintenance.

A dual-path conveyor system features two compartments. The front compartment picks up clean grain under the front of the cleaning shoe and carries it to the top of the grain tank where it dumps into a fountain auger. At the same time, tailings from the cleaning shoe are funneled into the rear section of the conveyor. They're elevated to the top of the machine and spouted back into the threshing chamber.

A lateral chaff distribution system at the front of the cleaning shoe ensures even distribution of material. The system features fingers on a rotating chain. When sensors detect an overload on one side of the shoe, as might occur on a hillside, the chain turns in the opposite direction so the fingers level it out.

The 300 HP, rear mounted engine is positioned low for service and stability. Clean, cool air is drawn from above.
The rubber belted track-type undercarriage drives two 36" wide belts. Overall wheel base is 106" front to rear.
The track gauge width is 120" center-to-center for compatibility with popular row crop operations.
The weight of the combine, header and grain is distributed over 8000 square inches.
Rubber tracks provide excellent flotation in soft or muddy field conditions.
Ground pressure is between 5 to 8 psi in most conditions.
Road transport speed is 25 MPH.