

# ROSTSELMASH AXIAL FLOW SYSTEM

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## Abstract

A modern combine harvester, or simply combine, is a versatile machine designed to efficiently harvest a variety of grain crops from the field to deliver clean grains, usually collected in the machine tank and discharged periodically for transportation and further processing or storage. The following main crops are harvested using combine harvesters: wheat, rice, barley, oats, rye, triticale (hybrid of wheat and rye), soybeans, flax (linseed), sunflower, and corn (maize). Actually, modern combines can harvest more than 80 types of grain crops, from canola seeds to beans, and from clover to corn. To harvest grain crops, a combine harvester is self-propelled and controlled (by a human operator or an automated pilot) on certain paths in the field; combine harvesters are also driven on public roads or transported with a special trailer to different fields when travel distances are long.

**Key words:** axial flow, cereal harvest