



SMART FARMING 4.0

Smart Education for
Smart Future Farmers of America

A MODERN AND STATE-OF-THE-ART TRAINING CONCEPT . . .

. . . FOR MECHATRONIC SPECIALISTS FOR AGRICULTURAL MACHINERY



Agriculture has seen many revolutions, whether the domestication of animals and plants a few thousand years ago or the "green revolution" with systematic breeding and the widespread use of man-made fertilizers and pesticides a few decades ago. Now agriculture is undergoing a fourth revolution triggered by the exponentially increasing use of information and communication technology in agriculture – it is "The Smart Farming Revolution".

These technical improvements constitute a technical revolution that will generate massive changes in agricultural practices. Such profound changes in practice come not only with opportunities but also big challenges.

This training system focuses on the topic of "Smart Farming 4.0" on the basis of the ISO bus. The main focus is on the function of "Precision Farming with Section Control". Maximum practical relevance is achieved through the use of original components and the complete integration of the ISO and J1939 buses. Numerous measuring points and various fault simulations make the TruckTrain an individually usable training system.

The relevant theory is conveyed in the associated e-learning course in a target group-oriented manner and using high-quality animations and videos. With this system you simulate "Precision Farming" by bringing tractor and seed drill virtually into the classroom.



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