xCrane PRO

Superior crane control system

Unlock exceptional performance and user experience with xCrane PRO

Experience state-of-the-art tip control with `xCrane PRO`

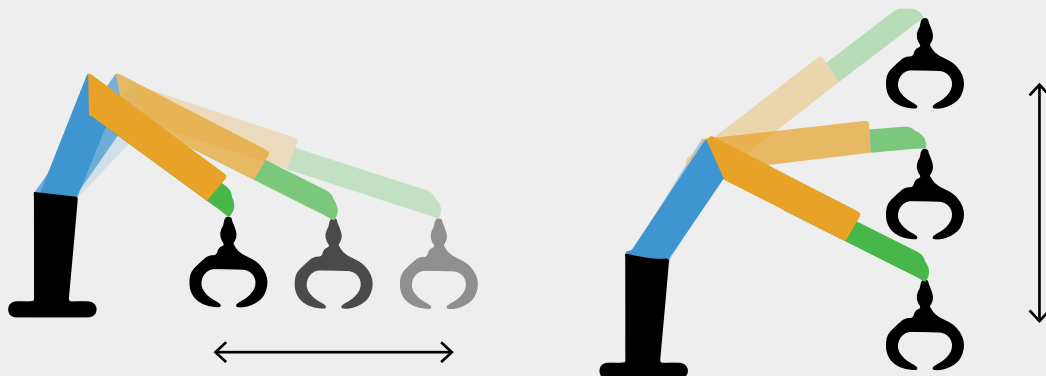xCrane PRO is a perfect match for intelligent cranes with sensors. The IMU sensors combined with intuitive software makes forestry work precise and efficient. xCrane PRO is developed for OEM applications and installations.

`xCrane PRO` functionality overview:

- xCrane PRO – smart control system for cranes with sensors. xCrane PRO brings crane operations to a completely new level with its state-of-the-art tip control: Operators can now control the tip of the boom instead of controlling each cylinder separately.
- The operator can effortlessly select between a traditional forestry crane control and the tip control mode.
- The IMU sensors on the crane provide precise position information for all crane sections. This information is used to optimize the movements in different working environments.
- xCrane PRO's features unlock the machine's full potential for all operators

Tip Control - How does it work?

The operator can use the left joystick to control the crane tip horizontally, and the right joystick to control the crane tip vertically. With Technion tip control there is in other words no need to control each joint individually, which makes working more precise and efficient.
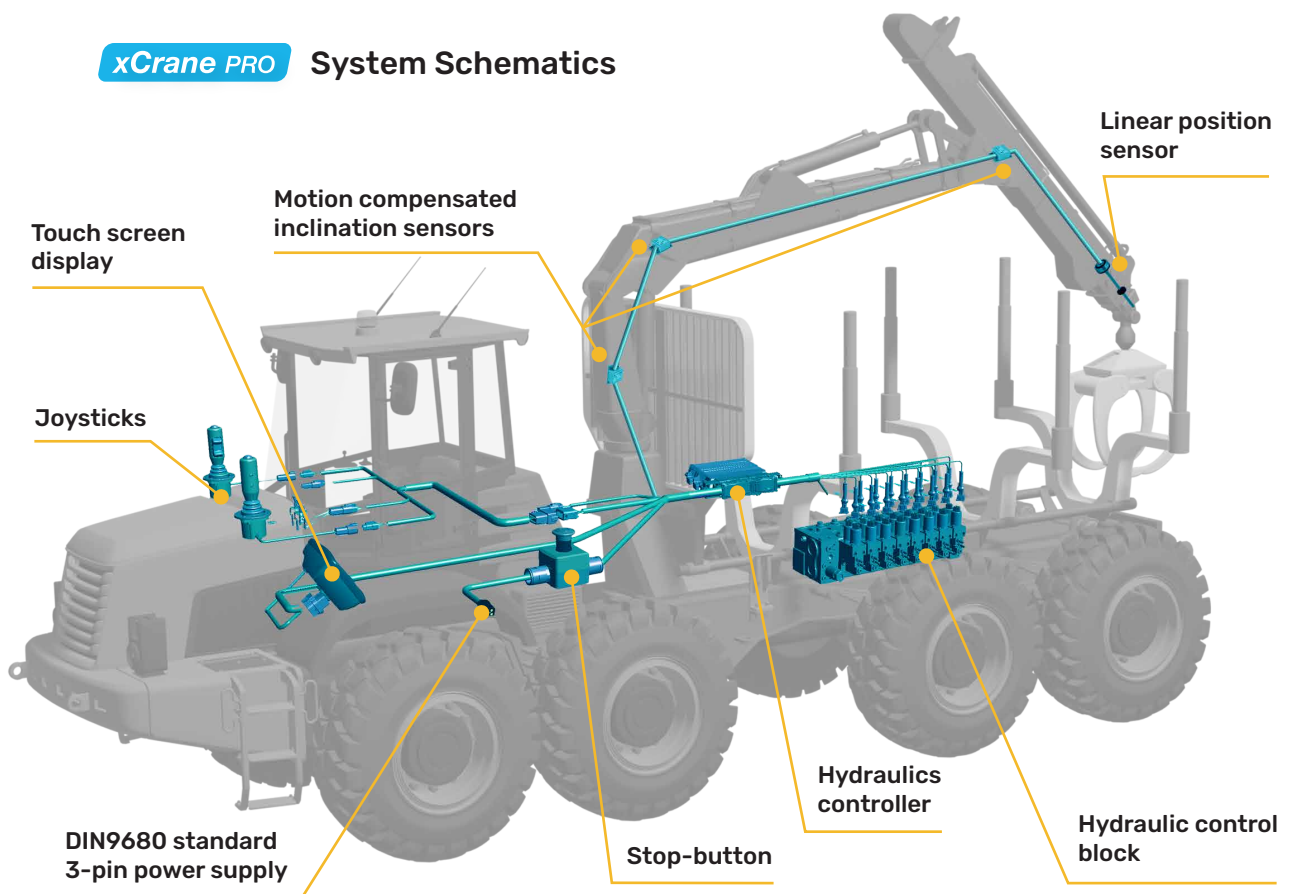
xCrane PRO system features:

- Includes all xCrane PLUS features such as multi-joint control, Quick Trim, speed ramps, progression adjustments and high-quality touch display

- The standard system supports up to 24 hydraulic movements and is extendable with extra IO-modules to enable e.g. trailer traction

- State-of-the-art tip control

- End damping for each cylinder

- Extended life-expectancy for crane mechanics

- Intelligent detection of loadspace

- Each section of the crane is monitored with the sensors and the position is known constantly

Customizable options:

- Seat switch and door switch

- Different joystick types

- Oil temperature and pressure measurement

- Compatibility with wireless remote controller

- Different trailer traction control modes
    * Automatic
    * Potentiometer
    * Isobus

- iLogger/xLogger system integration

xCrane PRO System Schematics

Linear position sensor

Motion compensated inclination sensors

Touch screen display

Joysticks

DIN9680 standard 3-pin power supply

Stop-button

Hydraulics controller

Hydraulic control block

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xCrane *PRO*

Learn more about our crane control systems
on www.technion.fi