

TECHNION



**iLOGGER**

**Measuring Control  
Systems from Technion**

*Getting the job done*

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## iLOGGER

### Harvesting efficiently and precisely

**iLogger** is a compact electrical control and measuring system for forest harvesters. The system is compatible with a wide range of harvesting heads and installation is easy, with Technion wire harnesses, adapters and all the other accessories you might need included. **iLogger** is the perfect solution whether you are buying a new harvester head or upgrading an older harvester to meet the latest requirements.

#### Simple but clever!

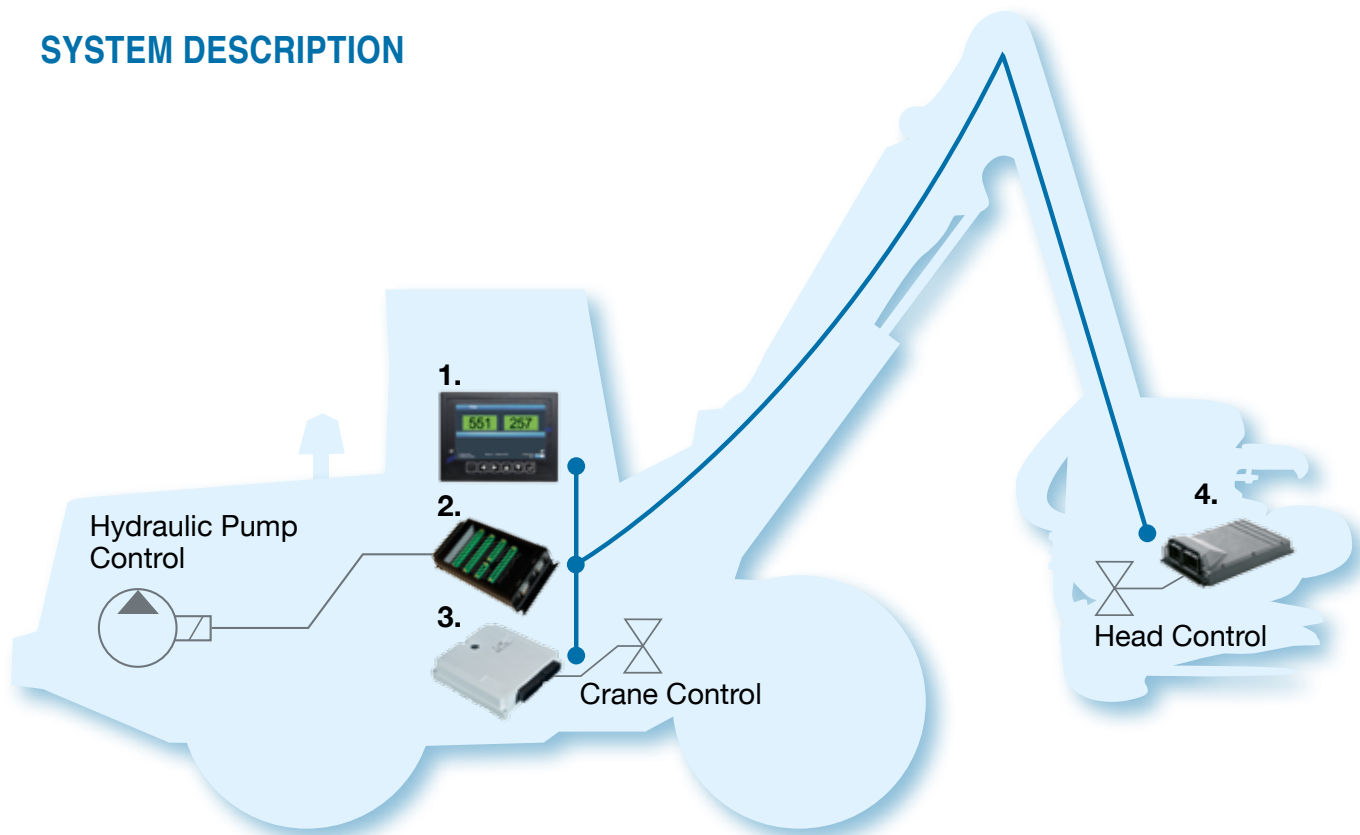
We have developed **iLogger** to meet the strict standardization requirements of harvesting systems. But in addition, the Technion R&D team has developed many unique, selflearning features to help you deliver the best harvester user experience on the market. An adaptive braking distance algorithm helps the user maintain log feed at the maximum pace for the best possible productivity. Automated calibration based on measurements from the calipers improves the accuracy and minimizes machine downtime. **iLogger** automatically recommends the optimal log length to the user, and with priority bucking features, the user can easily adjust the cutting tables without a complicated price matrix. All these features, coupled with a multilingual user interface and a menu structure that includes professional forest industry terms makes **iLogger** a truly global success story!

#### Integrated crane control

Traditionally, controlling a harvester head and a crane from different control systems is complicated and inefficient - managing two separate systems means high maintenance costs for the life of the harvester. At Technion we have solved this integration problem by combining both the crane control and harvester head control into a single **iLogger** control system. For the user this delivers substantial benefits: the operator can control and monitor everything from a single user interface and the risk of engine shutdown is prevented as hydraulic oil pressure is maintained at an optimal level in all conditions. By integrating Technion **xCrane** and Technion **Logger** applications into a single system you get one compact system that is easy to install and cost efficient to operate.



## SYSTEM DESCRIPTION



### 1. DISPLAY CONTROLLER

- 7" TFT WVGA
- 6 pcs integrated HMI buttons
- 2 X CAN
- Ethernet
- USB

### 2. INTERFACE MODULE (\*)

- Connection node for easy installation
- Intelligent 0...5V pump control output
- Interface for printer, calipers and keypad
- 4 outputs for the pumps (2x24V or 2x5V)
- 9 pcs low power I/O for buzzer, stump treatment, indicator LED etc.

### 3. CRANE CONTROLLER (\*)

- Technion TEC152 controller
- 16 Proportional outputs for current controlled valves or 8 ratiometric outputs for voltage controlled valves
- In total, 30 configurable inputs
- Optimized for xCrane application

### 4. HEAD CONTROLLER

- Operating temperature from -40 °C to +85 °C
- 24 pcs Digital/Proportional outputs
- 8 pcs Digital/Frequency inputs
- 8 pcs Analog inputs (0-20 mA / 0-15 V)
- 8 pcs Digital outputs

(\*) Order option





## Greetings from the Technion development team

The **Logger** family of products has been developed by a Finnish team of experienced harvester application professionals. We are driven by a passion to deliver new technology and updated features for the global forestry industry where requirements are increasing continuously. The **Logger** platform is flexible and allows for continuous development to support customer project needs. "We knew it was the right time to bring something new to the market and with more than 20 years' experience in developing control systems for harvester machines, we have the skills and experience to create the perfect solution for our customers. We are proud to present **iLogger** to the market".



**Markku Laaksonen**, CEO of Technion

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Technion Partner