



GROW THE BEST.

CULTIVATE WITH UNITRONICS

Our award-winning automation products can make your green dream a reality - Grow quality flowers in quantity, while avoiding errors that can damage your plants.

BUDDING AMBITIONS

Whether you cultivate on a large or small scale, no matter what strain you grow, your goal is the same:

THE BEST QUALITY FLOWERS IN THE BIGGEST POSSIBLE QUANTITY.

Automating your cultivation enables you to **grow excellent cannabis from seed to harvest**, while eliminating risks that can cause you to lose your crop.

Our broad range of products gives you the tools you need to control and automate your facility, all from a single supplier.

UNITRONICS ALL-IN-ONE SOLUTION FOR GROW CONTROL

- **PLC** • **HMI** • **I/O** • **VFD** • **ONE PROGRAMMING SOFTWARE** •



AUTOMATE TO ACHIEVE THE PERFECT CANNABIS CLIMATE

Light & Dark - Photoperiod Control

- ✓ **Powerful, healthy buds:** Controlled automation of your dark cycle optimizes the conditions required for flowering
- ✓ **DLI:** Control the Daily Light Integral to accelerate healthy plant growth



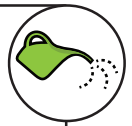
Climate Control

- ✓ **CO2 control:** Enable your plants to thrive in the vegetative and flowering stage by controlling carbon dioxide concentration
- ✓ **Humidity:** Automatic ventilation avoids 'damping off' at the seedling stage and mold that can damage your flowers
- ✓ **Temperature:** Strictly enforce ideal conditions, day and night, to stimulate plant growth while avoiding fungus and mold



Irrigation / Fertigation

- ✓ **Automatic scheduling:** At the right time, in the right amount—never an error!
- ✓ **Sensors:** Use feedback to automatically check soil and growth medium, perfectly control nutrients and pH, and monitor reservoir level
- ✓ **Data:** Use Unitronics' advanced data tools to collect data, and implement pre-determined grow recipes according to stages of plant development



Energy Use - Be Green

Ventilation, HVAC - Use VFDs to reduce energy demands and save on operating costs. VFDs efficiently control motors, while simultaneously keeping environmental conditions incredibly close to set-points.



24/7 CONNECTIVITY WITH YOUR GROW OPERATION

- ✓ **Remote Access:**
Monitor your operation via web browser from your PC, tablet, or mobile phone
- ✓ **Alarms & Alerts - Built-in:**
Catch problems early! Unitronics' built-in Alarms alert you via email or SMS text message, according to your pre-defined rules
- ✓ **Cloud Connectivity:**
Leverage your operation via Industry 4.0 or IOT technologies such as MQTT, SQL and more



About us

Unitronics products have automated crop cultivation and green environmental processes for over three decades. Our broad range of award-winning controllers, color touch-screens, I/Os and VFDs offer products to suit any size grow operation. All crucial tasks are easily programmed in our incredibly efficient, award-winning software, to optimize all operations.