

# Equipment Optimization

Get in touch with your equipment quickly and affordably

Utilizing the  
JNIOR  
Model 310

Phone 724-933-9350 | www.integpg.com | jniorsales@integpg.com

## It's easy to get in touch with your equipment.

To track the utilization, productivity, and performance efficiency of your equipment, you need real-time data at the ready.

INTEG's Equipment Optimization and integration solution puts you in touch with the information you need to make the most of your equipment. Production rates, machine availability, machine utilization, machine status and maintenance reminders can all be made available for viewing in real-time via a web browser from any computer.

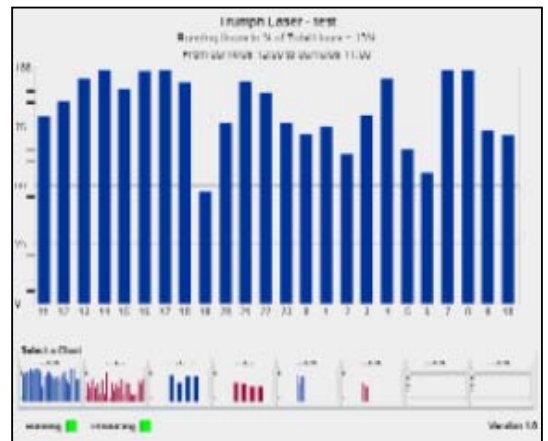
Utilizing the INTEG JNIOR platform with digital and analog I/O, no software programming is required to have access to built-in features such as counters, usage meters, e-mail notification and alarms. JNIOR allows you to easily interact with your equipment over the plant Ethernet network (wired or wireless).

With the Task Manager utility program, you can schedule tasks to inform you of your equipment operation, including data logging for long term storage, based on time or events – 24/7. With the KPI Monitor add-on, you can view your two most fundamental Key Performance Indicators – Availability and Productivity – by connecting two signals – machine on and machine producing.

No need to modify or add to your existing control system (PLC, DCS, CNC) or PC-based systems using expensive and time-consuming hardware and software, instead, JNIOR gets you what you need at a fraction of the "total" cost. Just "wrap" one around each piece of equipment, put it on your plant Ethernet network and get in-touch.

Affordable for all your  
M2M connectivity needs

Base price  
starting at \$495



**KPI Monitor** web page for viewing hourly, weekly, monthly and yearly machine Availability and Productivity rates.

The **JNIOR** network input/output resource for monitoring and integration of equipment.



Isolated from your equipment?



# Equipment Optimization

Get in touch with your equipment quickly and affordably

Utilizing the  
JNIOR  
Model 310

Phone 724-933-9350 | [www.integpg.com](http://www.integpg.com) | [jniorsales@integpg.com](mailto:jniorsales@integpg.com)

## Specifications

### JNIOR Model 310

- Standard I/O – 8 digital inputs, 8 relay outputs
- Expansion I/O – 4 analog inputs, 2 analog outputs
- RS232 port and RS232/RS485 port
- Web-based configuration
- 8 counters (up to 2Hz each)
- Usage Meters (inputs and outputs)
- I/O Slave Capabilities (output follows master input)
- Flexible E-mail management and notification
- Integrates information and data with other applications via TCP/IP, Modbus, OPC Server, Windows API (DLL)

### Task Manager (Software Add-On)

- Software application that runs on JNIOR
- Schedule multiple “tasks” to occur at a specific time or event
- Multiple “actions” per task for control, logging, reset or e-mail notification
- Tasks run 24/7

### KPI Monitor (Software Add-On)

- Real-time calculation of two fundamental KPI
  - Availability (“machine on”/time period)
  - Productivity (“producing”/“machine on”)
- Web-based for viewing from any computer
- Charts and stores hourly, weekly, monthly, yearly data

### Software Support Tools

- Manage multiple JNIORs for gathering data logs, backing up software and general JNIOR updates

### Support Services

- INTEG can provide additional services in system design, installation and on-going support

No.1 Grinding Machine		Logout	
I/O Control   Configuration   Registry Editor   Command Line   About this JNIOR			
INPUTS		OUTPUTS	
1 - Grinder Status	On	1 - Machine Status Light	Running
Counts 12	Hours 4.94	Hours 4.94	
2 - Grinder Production	Count	2 - Machine Alarm	Faulted
Pieces 24	Hours 0.02	Hours 0.02	Staved To din5
3 - Grinder Cycle	Complete	3 - Alarm	Off
Counts 10	Hours 0.00	Hours 0.00	
4 - Grinder Dressing	Dressing	4 - Alarm	On
Counts 7	Hours 3.44	Hours 3.44	
5 - Grinder Faulted	FAULTED	5 - Status	Off
Counts 5	Hours 0.03	Hours 0.03	
6 - Safety Switch	Open	6 - Status	Off
Counts 3	Hours 0.07	Hours 0.07	
7 - Door	Closed	7 - Stop	Running
Counts 3	Hours 3.32	Hours 3.32	
8 - Reset	Open	8 - Fault	Off
Counts 0	Hours 0.00	Hours 0.00	

JNIOR web page for viewing status of inputs, outputs, counters, timers, alarms and configuration. Password protected with three levels of access.

## Look Who's Using the JNIOR

With thousands of units sold to OEMs and end-users, both small and large companies have found the JNIOR to be the most cost-effective and easiest way to integrate equipment for monitoring, control and optimization.

**Kodak**



**TRANE**



**S&Z Tool & Die Co., Inc.**



## Fitting Your Needs

Let INTEG show you how to get in-touch with your important equipment. INTEG can provide the complete solution for your whole shop with our flexible and scalable system.

## About INTEG process group

Established in 1999, INTEG helps businesses with equipment optimization and integration to more effectively control, monitor, and manage their assets. INTEG provides software and hardware solutions for network connectivity, systems integration, managing key performance indicators and improving process operations. The JNIOR is a cost-effective hardware and software automation system based on open standards with advanced Internet and IT-friendly network features.

Get more information about INTEG at [www.integpg.com](http://www.integpg.com)



11279 Perry Highway • Suite 107 • Wexford, PA 15090

Phone 724-933-9350 • Fax 724-933-9333 • [www.integpg.com](http://www.integpg.com)

060106

Isolated from your equipment?