Since 1982, Micro-Trak® Systems has created innovative solutions for the farming, turf and highway maintenance industries.

Headquartered in Eagle Lake, MN, Micro-Trak® is committed to the development of electronic monitoring and control equipment that helps promote economic growth, while preserving environmental quality.

We believe that the customer should demand a product that is well-built, reasonably priced, and backed by first-class service. Our objective is to combine your equipment needs with the highest level of quality, service, support and affordability.

Micro-Trak® provides one of the most comprehensive technical support services in the industry. If you have a question or a problem - count on us to be there.

Free 30 Day Loaner Program
If any Micro-Trak component fails to perform, for any reason, we will send you a loaner component to use, free-of-charge, for 30 days while yours is being checked out. Shipping charges NOT included.

Sales and Service Support
Customers can talk directly to our sales and/or technical staff to get information about products, find local distributors & dealers, and to receive technical assistance for the installation, calibration, or operation of our products.

Same-Day Shipping of Orders
On in-stock items, if the order is received before 3:00 p.m., central time zone, it will be processed and shipped that same day.

Three-Year Warranty
All Micro-Trak products are covered by a standard one-year warranty, with up to three years available at no extra cost (see product warranty statement with product for details).

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800-328-9613
www.micro-trak.com • trakmail@micro-trak.com
**SprayMate™ II**  
**Simple Precision**

The SprayMate™ II features a self-contained design with built-in controls for up to 3 separate boom sections. It regulates rates of application precisely, regardless of changing field conditions. Spray or apply NH₃ with certainty as the SprayMate™ II applies the right amount — right where you need it.

**MT-2405F™ II**  
**5 Section Rate Controller**

A perfect way to update manually controlled systems. Gives you the enhanced control you need in a compact, easy-to-operate unit. Specially designed to integrate into systems that already have boom section switches installed.

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**Plus Series Controllers**  
**Advanced Liquid Rate Control**

Flexible, powerful, automatic liquid rate control solutions for agriculture, grounds, and highway maintenance. Customizable monitoring options and advanced features let you manage your liquid applications with absolute piece-of-mind.

- Flow or Pressure Based Control
- Expanded PWM control capabilities
- Unique Multifunction output to control on/off valve for Master, Relief, Flow Trigger, or Flush functions
- **RateKing Dual Plus** - dual channel design allows application of two products from one controller.

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**Field Proven Reliability.**
**Astro™ GPS Speed Sensors**

A highly accurate and affordable replacement for magnetic wheel speed sensors or radar guns. Connects with ease to most brands of monitors and controllers. Two models to choose from: the economical Astro™ II (1 Hz), or super-fast Astro™ 5 (5 Hz).

- Boost productivity and efficiency by putting powerful GPS technology to work for you
- Flexible mounting options and compact size make the Astro™ a clear choice; easily transfer it from one vehicle to another
- Rugged design consistently performs in tough field conditions; unaffected by dust, vibration, and changes in crop canopy

**Vansco™ Speed Sensor**

Radar Speed Sensor

Combines state-of-the-art electronic design and manufacturing to deliver a reliable and accurate speed signal for mobile equipment. Measures true ground speed to eliminate errors due to wheel slippage.

**Magnetic Flowmeters**

- MM2 - 3/4” FPT
- MM238 - 2” MPT

9 models - ranging from .08 to 238 gpm max

**Advantages:**

- No internal moving parts
- Unaffected by fluid viscosity and density
- Highly accurate
- Saves time and money; very low maintenance

Increased precision = Increased yields
## Turbine Flowmeters

Industry-leading innovation meets long-lasting reliability.

Our turbine flowmeters combine fast, accurate flow readings with rugged, dependable quality. Unique two-direction flow design — simply flip the flowmeter around to double its working life — flow measurements are very accurate from either direction. (Does not apply to FM2000 and FM3000).

- Connect our turbine flowmeters to any major-brand control system to enjoy superior performance and maximum accuracy.
- Smart value for your equipment budget - up to 2X the working life compared to other brands.
- Work with confidence as a Micro-Trak flowmeter precisely monitors flow of valuable liquids and NH3.
- An ideal choice for liquid application; several stainless-steel models are also NH3 compatible.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Flow Rate</th>
<th>Pressure Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM500 (.50” FPT)</td>
<td>.5-5 GPM 500 PSI Max.</td>
<td>2-40 GPM 150 PSI Max.</td>
<td></td>
</tr>
<tr>
<td>FM750 LF GFN (.75” FPT)</td>
<td>.5-12 GPM 150 PSI Max.</td>
<td>2-40 GPM 500 PSI Max.</td>
<td></td>
</tr>
<tr>
<td>FM750 LF SS (.75” FPT)</td>
<td>1-9 GPM 500 PSI Max.</td>
<td>3.5-70 GPM 500 PSI Max.</td>
<td></td>
</tr>
<tr>
<td>FM1500 SS (1.5” FPT)</td>
<td>10-130 GPM 500 PSI Max.</td>
<td>3.5-70 GPM 500 PSI Max.</td>
<td></td>
</tr>
<tr>
<td>FM270 (2” flange)</td>
<td>3.5-70 GPM 125 PSI Max.</td>
<td>10-100 GPM 125 PSI Max.</td>
<td></td>
</tr>
</tbody>
</table>

## Flow Control

### Servo Valves

Superior quality, fast-acting servo valves — ideally suited for responsive rate changes, and accurate section control.

#### Flanged Servo

- 12VDC
- 2” Flange or 1.5” FPT

#### Threaded Servo

- 12VDC
- 1” FPT

9 servo valve models to fit your flow control needs including high-pressure (300 psi) and NH3 ready versions.

### Electric Motor Driver

12 Volt Pump Flow Control

Whether you are using low-rate starter fertilizers, herbicides, insecticides, fungicides, or fumigants, precise rate control is essential. Accurate applications of crop inputs ensure a healthy, high-yielding plant.

The Electric Motor Driver will help make this happen!

- Enables Automatic Rate Controllers to control flow rate by regulating the speed of a 12VDC pump
- Ideal for low-rate applications such as liquid starter fertilizer on drills and planters
- Can be integrated into most major brand control systems
- Controls most 12VDC pumps up to a max of 40 amps
- Standard DC and PWM versions available
**Flow Control**

**Hydraulic Flow Control Valves**

Micro-Trak’s Flow Control Valves have years of field-proven performance and reliability. Pair one with a Micro-Trak Controller for **PRECISION 12V** control of hydraulic oil flow on hydraulic-driven planters, hydraulic-driven conveyor and spinner applicators and on pull-type and self-propelled sprayers with hydraulic-driven liquid pumps.

- Internally protected, economical, safe, flexible, efficient and easy to use!
- Reduces pump wear
- Ideal for open, closed, or load sense systems
- Available in 12VDC standard or PWM configuration

**Information Storage**

**Trak-Record™ II**

The Trak-Record™ II is a TV-remote sized device designed to save and store information from Micro-Trak® controllers.

- Saves critical fieldwork information; helps you to analyze data and make informed decisions for next season
- Simple installation & setup
- Easy data transfer; user interface software includes data sorting tools
- Flash Drive data storage device included
- GPS compatible

**12-volt Pump Controllers**

**Manual Controllers**

*10 Amp & 25 Amp Models*

**Applications:**

- Controls motor speed on any 12-Volt pump
- Accurate over a wide range of RPMs
- Perfect for low volume application such as starter fertilizer on drills and planters

**Twin Pump™ Controller**

As the name implies, the Twin Pump Controller can control the output flow of either a single pump system, or if additional flow is needed, it can control a dual pump system. The Twin Pump Controller system controls the application rates of liquid chemicals or fertilizer by controlling the RPM of 12VDC pump(s). No servo is required for this system. Designed for easy installation and operation.
**MT-NH3™ II**

Anhydrous Rate Control

*Simple and convenient*

The MT-NH3 automatic rate controller provides a complete picture of critical anhydrous application functions and an accurate record of work performed. Knowing how nitrogen impacts yield potential and crop health, along with the rising cost of NH3 — it’s never been more important to apply it accurately.

- Designed expressly for anhydrous ammonia
- Eliminates inaccuracies as a result of changing tank pressure and ambient air temperatures when used with Micro-Trak Liquifier kits
- Apply NH3 with confidence knowing you control the rate
- Single section control

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**The Liquifier™ Series**

High-capacity NH3 Heat Exchanger

Leave corrosion and hours of seasonal maintenance behind with The Liquifier’s stainless-steel construction – naturally rust-resistant, tough, N-Serve® compatible, and ready for all field conditions. Combine this rugged design with outstanding efficiency and industry-leading flow capacity and the choice becomes clear. **No assembly required** – right out of the box it is complete, leak-tested, and ready to bolt on to your toolbar. Versatile and adaptable, it easily connects to all major-brand controllers.

**Bring Micro-Trak’s tradition of precision engineering to your operation this year.**

**Liquifier™ Ultra Low-Rate**

*2800 lbs. NH3/hr.*
*11 GPM(＠100 PSI)*

**Liquifier™ Junior**

*6000 lbs. NH3/hr.*
*23 GPM(＠100 PSI)*

**Liquifier™ Max**

*21000 lbs. NH3/hr.*
*70 GPM(＠100 PSI)*

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**Liquifier™**

*12000 lbs. NH3/hr.*
*40 GPM(＠100 PSI)*
**Calc-An-Acre® II**

*Speed & Area Monitor, Shaft RPMs Display*

- The Original Speed, Area, Distance, and RPM Measurement tool with years of field-proven reliability
- Invest in your future by increasing efficiency, enhancing productivity, and tracking your progress
- Best choice for economical, versatile performance; ideal for sprayers, tractors, ATVs, trucks, floaters, etc.
- 3 independent area counters and highly accurate measurement capability makes setting up test plots a snap

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**FlowTrak™ II**

*Spray Monitor*

FlowTrak™ II is an electronic monitoring system that can help you achieve maximum yields and operate more cost-effectively. It provides the critical flow information you need to maintain ideal application rates of liquid chemicals and fertilizer.

**Features:**

- Displayed information includes application rate, flow rate, speed & distance traveled, area per hour AND 3 separate sets of area and total flow counters
- Control output that can turn a valve or pump ON/ OFF for batch control
- Choose any of our flowmeter or speed sensor options that best fits your specific application

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**FlowMate™**

*Liquid Flow Monitor*

- Displays and records the volume of liquid transferred from bulk tanks for more accurate mixing and inventory control
- Instant verification of ground-drive pump settings
- Simple setup and calibration
- Flexible — shows either English or Metric units
- Easy to integrate into your system; many sizes of flowmeters available

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**Shaft-Trak™**

*Shaft & Bin Monitor*

The Shaft-Trak simultaneously monitors and indicates the status of up to 6 rotating shafts, 3 shafts and 3 bin level sensors or 6 bin level sensors.

- Immediately alerts the operator of potential machine malfunctions like slipping belts or chains
- Reduces downtime and improves equipment efficiencies
- Proactive indication of potential failures and maintenance issues
- Visual and Audible alarms
- 2 models available - Standard and Low RPM
- Simplest of all Micro-Trak monitors - no settings or calibration required
ProPlant™
Seed Rate Controller

**Turn your current planter into a precision planting machine.**

Say goodbye to the jerky unpredictability of ground-wheel drives; say hello to field proven results. ProPlant™ is an electronic seed-rate control system that can help you maximize yields and operate more cost-effectively by improving seed spacing and placement. Program the system for your crop seed, test it pre-field, and then plant with complete confidence.

The capable ProPlant™ gives you both simple set-up and easy operation while improving your productivity and your bottom line.

DrillMaster™
Grain Drill Seed Rate Controller

**Accuracy like you’ve never experienced before.**

- Maximize yields by consistently achieving target seed rate with smooth, stable hydraulic drive
- Eliminates erratic ground-wheel drive; no more adjusting chains and sprockets to change seed rate
- Designed to control rate on the go — able to regulate up to 3 separate sections simultaneously
- Plant with assurance as DrillMaster™ monitors your seeding process — notifies you immediately if a drive chain breaks or comes off
- Simple to calibrate, test pre-field, and take right into the fields

Whirlwind™
Seed Tube Monitor

Instant electronic detection of blocked seed and/or fertilizer tubes - eliminating embarrassing and costly skips.

- Designed to work with Air Seeders and Gravity Drop Systems
- Monitors up to 256 seed or fertilizer tubes
- Sensors are non-intrusive and clamp around existing tubes - no effect on product flow
- Scans every run, all the time
- Additional capabilities include: monitoring Shaft and Fan RPMs, tracking Bin levels, and calculating speed, distance & area measurements

GSC-1000™
Granular Rate Controller

Great things can come in small packages - so don’t be fooled by its size. The GSC-1000™ is a compact, power-packed granular rate controller that provides accuracy and reliability, resulting in enhanced uniformity of application.

Whether you’re upgrading from a ground-drive system or looking to replace an outdated or obsolete product, the GSC-1000™ gives you complete hydraulic control of your granular applications for years to come.

- Ultra accurate; displays rate down to 1/100th of a lb.
- 3 independent area & volume counters to record your daily, weekly and seasonal totals
- Conveniently controls apron rate or spinner RPMs
**Roadway Products Rate Controller**

**RoadMaster™**
Simple & Accurate

RoadMaster™ is a multi-purpose electronic control system with a wide range of applications. Highway maintenance uses include regulating the flow of: liquid de-icer and anti-icers, roadside spray products, and dust-control agents. Also ideal for turf maintenance applications of herbicides, fungicides, insecticides, and fertilizers. Raise your profitability by maintaining exact application rates of these valuable products.

Available in Standard 12VDC or PWM versions.

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**Custom/OEM Products**

**Customer First Strategy**

Micro-Trak has a successful and established history of partnering with other OEM companies on custom design and manufacturing projects. While some projects are as simple as branding an existing Micro-Trak product for the OEM, others involve creating entirely new solutions to resolve specific customer challenges. Micro-Trak’s 30+ years of design and manufacturing experience is enhanced by current research into emerging technologies, including the recent addition of development tools for ISOBUS integration.

If you are considering using this strategy for your company, there are substantial benefits to utilizing Micro-Trak’s years of engineering experience and genuine commitment to quality.

- No need to invest in expensive manufacturing facilities and equipment or hiring and training additional specialized labor. By letting us take care of those details, you can focus your resources on sales, advertising, and marketing.
- Our firmly established relationships with our equipment and material suppliers saves you time and effort looking for “just the right part” to make your project idea work as imagined.
- Micro-Trak’s considerable experience in the areas of precision agriculture, snow/ice, turf, and roadway maintenance instantly positions your company as an expert in those sectors. That translates to significant savings in time and money spent on R&D and engineering.
- Our dedication to open communication throughout the manufacturing process gives you peace of mind and a clear analysis of your investment.

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**Sod Harvester Controller**

**SodPro™ II**

SodPro™ II is an electronic monitoring and control system that can help you achieve maximum accuracy and operate more cost-effectively by providing the information you need to maintain accurate and consistent control of your sod cutting operation. No other sod harvester controller lets you cut big rolls, slabs or pallet-sized rolls of sod; you choose the length of cut that fits you best!