



**ELECTROIMPACT**

# Aerospace Manufacturing Solutions



**MORE INFO**



Our Phone  
(425) 348-8090



Our Website  
<https://www.electroimpact.com/>

# INSTRUMENTS

We have about 40 laser trackers of varying age, model, and make, including Hexagon (Leica), Faro, and API.

We also have other instruments: Renishaw XL-80 line level, Renishaw Ball bar, Hamar planar laser,

Leica digital-optical level, thermometers, etc.

If you foresee an extended need for an instrument (more than a couple of months), contact the metrology department about a purchase.



# Instrument



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## AT401 - AT401 laser tracker

Price: **\$45000**

Rent: \$376 checkout, \$188.57/day, \$1320.00/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

This laser tracker is ideal for bed leveling as it is lightweight, portable and has an extremely reliable and accurate integrated level. It features a removable top handle, so that it can shoot nearly straight up, though caution should be used as there is a singularity at vertical and error increases significantly as the angle goes to 180. It has an integrated tribach which enables it to be leveled without adjusting the stand, which is extremely convenient. This tracker uses a "mekometer", not an interferometer, and measurement is quite slow (10HZ). It should be avoided for machine compensation where thousands of points must be measured. Note that this stand requires a 5/8-11 threaded stud for mounting, so an adapter is required for most stands.



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## AT402 - AT402 Laser tracker

Price: **\$51975**

Rent: \$376 checkout, \$217.80/day, \$1524.60/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

This is a slight upgrade to the AT401 with a few new features.

# Instrument



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## AT403 - AT403 Laser Tracker

Price: **\$57750**

Rent: \$376 checkout, \$242.00/day, \$1694.00/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

This is a modest upgrade to the AT402, featuring faster measurement.



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## AT500 - AT500 Laser Tracker

Price: **\$67425**

Rent: \$376 checkout, \$282.54/day, \$1977.80/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

This is the Hexagon replacement for the AT40X series of trackers. It is much, much faster (100HZ). It has an integrated controller. It has the same form factor (overall size and shape) as the AT930, so it is larger than the AT40X. It does not have an integrated tribach, so leveling must be done via whatever stand is used. This tracker has the highly productive PowerLock feature, so it picks up targets in the field of view very readily.

# Instrument



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## AT901 - AT901 Laser Tracker

Price: **\$37500**

Rent: **\$376** checkout, **\$157.14/day**, **\$1100.00/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

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### Description:

This is the predecessor to the AT930. It is accurate, but is very inconvenient in size and very difficult to get working with a computer for the first time. Note that the Nivel level for this instrument is sent only on request and requires set up.



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## AT930 - AT930 Laser Tracker

Price: **\$80250**

Rent: **\$376** checkout, **\$336.29/day**, **\$2354.00/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

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### Description:

This is Hexagon's flagship interferometer based laser tracker. It is very fast (1000HZ) and reliable. This tracker has the highly productive PowerLock feature, so it picks up targets in the field of view very readily.

# Instrument



## ATS600 - ATS600 Scanning Laser Tracker

Price: **\$97500**

Rent: **\$376** checkout, **\$408.57/day**, **\$2860.00/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

### Description:

The is a scanning laser tracker. When measuring reflectors in behaves like any laser tracker, but with slightly different accuracy specifications. It can also directly scan surfaces. The use cases for direct scanning may be fewer than the user might think. Many objects (e.g. a helicopter blade) require multiple, even many, stations to complete a scan, and a 6DOF scanning devices is more useful there. This is good for scanning large surfaces. This tracker has the highly productive PowerLock feature, so it picks up targets in the field of view very readily.

## B-PROBE

## B-PROBE - B-probe

Price: **\$12558**

Rent: **\$282** checkout, **\$34.32/day**, **\$240.24/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

### Description:

6DOF probe system for use with the AT402 and AT403 laser trackers.

# Instrument



## DNA03 - Digital Optical Level

Rent: \$130.56 checkout, \$19.49/day, \$136.40/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

### Description:

Leica DNA03 Digital Optical level. The Leica DNA03 is a high-precision digital level designed for professional surveying and construction applications. It replaces the NA3003.



## HamarL-743 - L-743 Triple Scan Laser

Rent: \$940 checkout, \$348.48/day, \$2439.36/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

### Description:

The L-743 Triple Scan Laser is the 3-laser version of the L series by Hamar. The three lasers are orthogonal to each other and the system has an integrated level. Multiple targets enable very precise measurement, with accuracies exceeding those of laser trackers.

# Instrument



## ION - Ion Laser Tracker

Price: **\$64166.25**

Rent: **\$376** checkout, **\$268.89/day**, **\$1882.21/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

### Description:

An interferometer laser tracker. The FARO Ion is the predecessor to the Vantage. It is a fast and capable tracker with a larger form factor than the AT930 or Vantage.



NA3003

## NA3003 - Digital Optical Level

Rent: **\$130.56** checkout, **\$6.29/day**, **\$44.00/wk**

Weight: **222 lbs**

Links: [Manual](#) , [User Guide](#)

### Description:

NA3003 Digital Optical Level. This is a digital automatic level designed for high-precision leveling tasks in geodetic and engineering applications. As part of the Leica NA3000 Series, the NA3003 features advanced digital technology to measure and record elevation data with high accuracy. It is ideal for bed setting and other precision tasks. Use has been largely superseded by laser trackers with integral levels such as the AT40X, AT500, etc.

# Instrument



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## OmniTrac2 - OmniTrac2 Laser Tracker

Price: **\$58012.5**

Rent: \$376 checkout, \$243.10/day, \$1701.70/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

The OmniTrac2 is the predecessor to the Radian laser tracker. Wireless portable ADM based laser tracker.



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## R-50 - Radian R-50 Laser Tracker

Price: **\$67500**

Rent: \$376 checkout, \$282.86/day, \$1980.00/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

The R-50 Radian is an older API interferometer laser tracker. Note that API trackers have a special stand and require an adapter to fit the standard 3 1/2 x 8 thread found on most stands.

# Instrument



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## THERMO - Thermometer

Price: **\$295**

Rent: \$10 checkout, \$0.93/day, \$6.49/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

Thermometer with probe, thermister, 450-ATH or similar



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## Vantage - Vantage Laser Tracker

Price: **\$74625**

Rent: \$376 checkout, \$312.71/day, \$2189.00/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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### Description:

Laser tracker with dynamic measurement capability. FARO has an entire line of Vantage laser trackers. We have earlier models of the Vantage and all (?) of ours include an interferometer. It is a fast and capable tracker.

# Instrument

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**XL-80 - Renishaw laser**

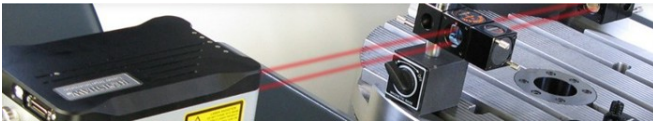
**Description:**  
0

Rent: \$1410 checkout, \$198.00/day, \$1386.00/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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**XR20-W - 0**

**Description:**  
0

Price: \$25115

Rent: \$282 checkout, \$78.93/day, \$552.53/wk

Weight: 222 lbs

Links: [Manual](#) , [User Guide](#)

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# STANDS

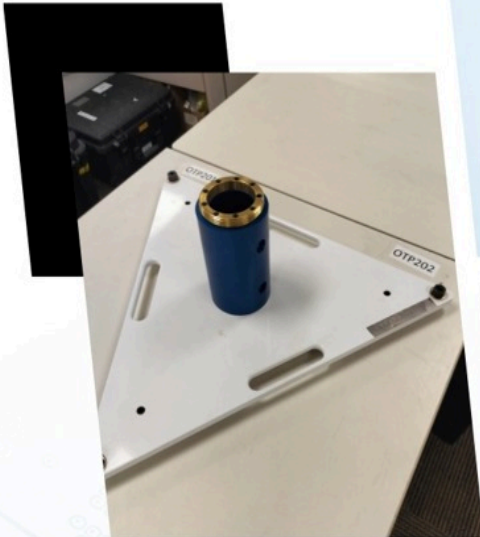
Stands come in rolling and portable configurations, along with accessories such as extensions.

Rolling stands are very heavy, stable, and easy to move about, and come in several heights.

Portable stands are folding tripods that are more convenient for shipping and for moving up and down

stairs, but are less handy for work on large jigs requiring frequent ground-level movement.

We also have small triangle stands for work at near ground level.



# Stands

**Name:** 0424-00002A – Adapter, 3 1/2x8 to 5/8-11

**Price:** \$300

**MFG:** Electroimpact

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Adapter, aluminum, tracker stand, 3 1/2x8tpi to 5/8-11

NO PHOTO AVAILABLE

**Name:** 0424-00002B – Adapter, 3 1/2x8 to 5/8-11

**Price:** \$300

**MFG:** Electroimpact

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Adapter, brass, tracker stand, 3 1/2x8tpi to 5/8-11

NO PHOTO AVAILABLE

**Name:** 0424-0029X – Stand extension, short

**Price:** \$280

**Rent:** \$45.915 checkout, \$0.88/day, \$6.16/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Stand extension (in lengths up to 24"). Stand extensions are used to gain additional height beyond what the available stands allow. Extensions should be used with some caution as stability reduces with additional height.

NO PHOTO AVAILABLE

**Name:** 0424-00335 – TRIANGLE TRACKER STAND

**Rent:** \$45.915 checkout, \$1.57/day, \$11.00/wk

**MFG:** Electroimpact

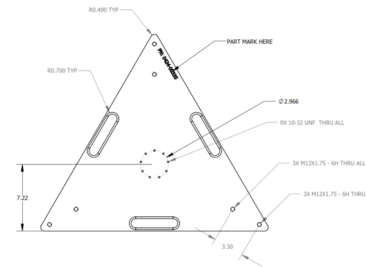
**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Use this stable triangle plate stand for extremely low mounting of laser tracker. Adjustable feed enable leveling where needed.



## Stands



**Name:** 0424-00544 – 9.5' fixed height stands

**Price:** \$10850

**Rent:** \$376 checkout, \$18.86/day, \$132.00/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

This tall fixed stand was developed for laser tracker use. The feet or wheels can be deployed without tools.

NO PHOTO AVAILABLE

**Name:** 0424-2056 – Adapter ring, 3 1/2x8

**Price:** \$120

**MFG:** Electroimpact

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Adapter ring, brass, Tracker stand collet, 3 1/2x8tpi with #8-32 cbores

**Name:** 0424-00xxx – Stand extension, tall

**Price:** \$455

**Rent:** \$45.915 checkout, \$1.43/day, \$10.01/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

NO PHOTO AVAILABLE

**Description:**

Stand extension (in lengths between 24" to 48"). Stand extensions are used to gain additional height beyond what the available stands allow. Extensions should be used with some caution as stability reduces with additional height.

NO PHOTO AVAILABLE

**Name:** 231-0-B – Rolling stand, 231-0-B

**Rent:** \$376 checkout, \$6.47/day, \$45.32/wk

**MFG:** Brunson

**Drawing Number:** n/a

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Brunson 231-0-B rolling stand with foot pedal release

# Stands

**Name:** API\_T3\_OT – Magnetic tracker mount

**Rent:** \$68.8725 checkout, \$10.86/day, \$76.03/wk

**MFG:** API

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

API T3/OT Tracker magnetic mount (ground ship only). Magnetic mounts can be very useful when measuring large weldments and other steel objects where it is desirable to mount the tracker on the object.



**Name:** KESand – Rollying stand, K&E

**Rent:** \$376 checkout, \$2.51/day, \$17.60/wk

**MFG:** K & E

**Drawing Number:** n/a

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

These old K&E stands are heavy and work well as laser tracker mounts.

NO PHOTO AVAILABLE

**Name:** MOUNT-MAG-6 – Mag base, 6"

**Price:** \$1719.25

**Rent:** \$45.915 checkout, \$4.70/day, \$32.89/wk

**MFG:** MetrologyWorks

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Magnetic tracker base, 6", MetrologyWorks, 1320lb force



**Name:** MOUNT-MAG-8 – Mag base, 8"

**Price:** \$1830.8

**Rent:** \$45.915 checkout, \$5.00/day, \$35.02/wk

**MFG:** MetrologyWorks

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Magnetic tracker base, 8", MetrologyWorks, 2025lb force



# Stands

**Name:** MOUNT-MAG-ECO – Mag base, econ

**Price:** \$674.475

**Rent:** \$45.915 checkout, \$1.84/day, \$12.90/wk

**MFG:** MetrologyWorks

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Economic Mangetic mount, MetrologyWorks, 435lb force



**Name:** PortableStandGeneric – Portable stand

**Price:** \$6225

**Rent:** \$68.8725 checkout, \$26.09/day, \$182.60/wk

**MFG:** 0

**Drawing Number:** n/a

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Portable folding tripod stand. Reasonably lightweight but very stable for laser tracker work.



**Name:** WK-59-2310 – Rolling stand, short

**Price:** \$6239

**Rent:** \$376 checkout, \$12.02/day, \$84.17/wk

**MFG:** Warren-Knight

**Drawing Number:** n/a

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Height: 28" to 44" (0.7112 to 1.1176m). This heavy duty rolling stand uses a hand-activated lever to engage and disengage the wheels, much preferred over the foot-pedal style.



**Name:** WK-59-2320 – Rolling stand, medium

**Price:** \$6600.5

**Rent:** \$376 checkout, \$12.78/day, \$89.47/wk

**MFG:** Warren-Knight

**Drawing Number:** n/a

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Height: 42" to 69". This heavy duty rolling stand uses a hand-activated lever to engage and disengage the wheels, much preferred over the foot-pedal style.



**Name:** FLOORPRINTKIT – Floor label printer

**Price:** \$5577.5

**Rent:** \$45.915 checkout, \$15.24/day, \$106.70/wk

**MFG:** Acquip

**Weight:** 222 lbs

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Base for magnetic usage by Acquip employees. (Does not include employee base).

NO PHOTO AVAILABLE

# TRACKER ACCESSORIES

We have many tracker accessories available, and the Mukilteo and other campuses, such as carts, UPS power supplies, camera tripods, scalebars, etc.



# Tracker Accessory

**Name:** 0424-00034-2 – Scalebar, 1M, 1.5", Steel

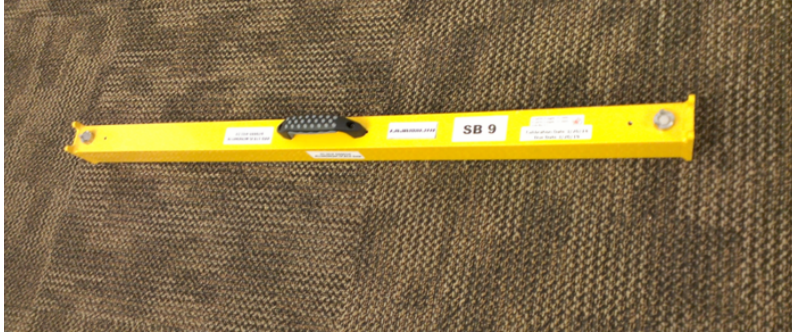
**Rent:** \$188 checkout, \$9.43/day, \$66.00/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)



**Description:**

1M Steel scalebar for 1.5" SMRs. Best practice is to use a scalebar (or other reference such as an existing Foundation Reference System) to validate proper ADM function and overall tracker functionality. In general, use a scalebar made of the same material you are measuring, or as close as possible. Some customers require scalebar use for all tooling work (e.g. Boeing). The steel scalebar is very heavy

**Name:** 0424-00034-6 – Scalebar, 1M, 1.5", AL

**Rent:** \$188 checkout, \$9.43/day, \$66.00/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)



**Description:**

1M Aluminum scalebar for 1.5" SMRs. Best practice is to use a scalebar (or other reference such as an existing Foundation Reference System) to validate proper ADM function and overall tracker functionality. In general, use a scalebar made of the same material you are measuring, or as close as possible. Some customers require scalebar use for all tooling work (e.g. Boeing).

## Tracker Accessory



**Name:** 1.5LTE-1000MM – Scalebar, 1M, 1.5" LTE

**Rent:** \$188 checkout, \$9.43/day, \$66.00/wk

**MFG:** Brunson

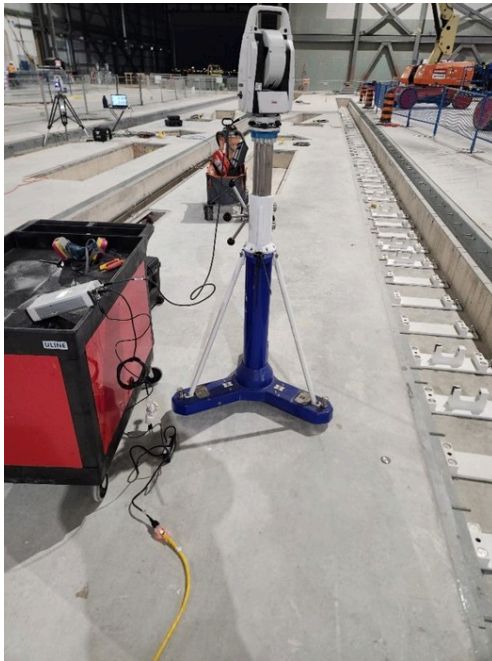
**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

1M LTE scalebar for 1.5" targets. This scalebar is designed such that thermal temperature changes are nearly cancelled out by differential thermal growth between the components. 1.00 should be used for the Coefficient of thermal expansion unless the customer specifically directs otherwise (Boeing has established a number for their use). It is lightweight and very convenient if scale is not required. However, if the part is aluminum or steel or if scaling is required an appropriate matching material scalebar may be required.



**Name:** cart – Cart, tracker

**Rent:** \$68.8725 checkout, \$1.57/day, \$11.00/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

Utility cart for laser tracker use. Laser trackers should always have a cart, cabinet or other system for holding the computer, targets and other tools.

## Tracker Accessory

### GenericCameraTripod

**Name:** GenericCameraTripod – Camera tripod

**Rent:** \$45.915 checkout, \$0.94/day, \$6.60/wk

**MFG:** Any

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

Conventional camera tripod. Many of ours are heavy duty to be more stable for tracker field calibrations.

**Name:** InstrumentLaptop – Instrument laptop

**Price:** \$2250

**Rent:** \$188 checkout, \$9.43/day, \$66.00/wk

**MFG:** Dell

**Drawing Number:** n/a

**Weight:** 222 lbs

**Compatible With:** All trackers

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

Laptop with installed metrology software. Preconfigured for use with your tracker.



## Tracker Accessory



**Name:** UPS – UPS Power Supply

**Rent:** \$68.8725 checkout, \$0.96/day, \$6.73/wk

**MFG:** Any

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

Uninterruptible power supply (ground ship only). Some trackers are battery powered. Those which are not should be used with a UPS to protect them from power glitches, etc.

# TARGETING

We have a very wide variety of off-the-shelf targeting from Hubbs, MetrologyWorks, Brunson, PLX, API, FARO, etc.

You will find: Pin nests, threaded nests, flat nests, FRS Monuments, drift nests, SMRs, etc.

We have also designed our own targets, nests, monuments, etc., to meet our own needs.

In particular, our FRS monuments are much easier to install than any others, and have 1/8th turn locking caps.



## Targeting

**Name:** 0424-00003 – Butterfly label

**Price:** \$20

**MFG:** Electroimpact

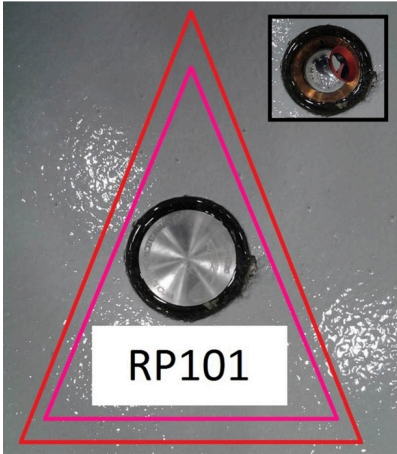
**Weight:** 222 lbs

**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" Flattop FRS Monument Butterfly Label. Butterfly label sits inside monument 0424-00134 and displays monument number when lid is removed. Will not fit any other monuments. Number is small, so a preferred solution is to apply FRS# directly to floor in 2" high letters - see EI for solutions for this.



**Name:** 0424-00036 – Setting tool, flattop

**Price:** \$175

**MFG:** Electroimpact

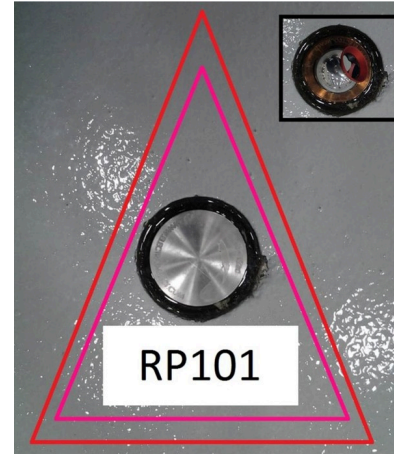
**Weight:** 222 lbs

**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" Flattop FRS Monument Coated Setting Tool for 0424-00134. Greatly simplifies fast and accurate installation. Reusable. Steel coated with epoxy-resistant coating. Use only for very large installations.



**Name:** 0424-00038 – Magnet

**Price:** \$12

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

**Links:** [Manual](#) [User Guide](#)

**Description:**

MAGNET NeoD, 1/2 DIA x 1/4" thick. Spare only. Most customers will never need this.

NO PHOTO AVAILABLE

**Name:** 0424-00133 – 1.5" flattop, no lid

**Price:** \$112

**MFG:** Electroimpact

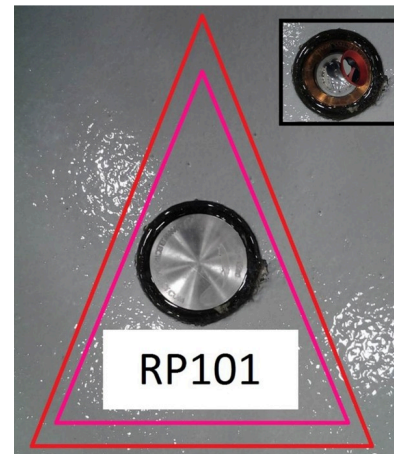
**Weight:** 222 lbs

**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" Flattop FRS Monument (No Lid). Most people will never need this version without a lid. Always get monument with lid unless you have a compelling reason to do otherwise.



# Targeting

**Name:** 0424-00134 – 1.5" Flattop Monument

**Price:** \$128

**MFG:** Electroimpact

**Weight:** 222 lbs


**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

Precision 1.5" "flat top" monument with magnetic lid. Full diameter. Coring required for installation. Fully functional but superceded by 0424-00459 or 0424-00371, which can be installed with hammer drill.



 0424-00192

**Name:** 0424-00192 – Drift nest, 1.5"

**Price:** \$27.5

**Rent:** \$5 checkout, \$0.08/day, \$0.55/wk

**MFG:** Electroimpact

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) [User Guide](#)

**Description:**

Drift nests are epoxied, welded or hot glued as needed and are always used as arbitrary reference points to create a network. Weldable drift nests are shipped with the magnets not installed. Install magnet with epoxy or superglue after welding, to avoid demagnetization.

**Name:** 0424-00364 – Setting tool, flattop

**Price:** \$85

**MFG:** Electroimpact

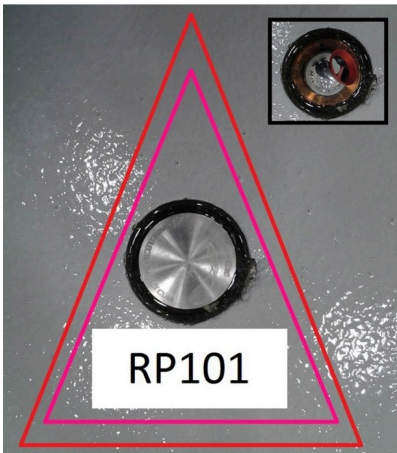
**Weight:** 222 lbs

**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

Greatly simplifies fast and accurate installation. Reusable. Steel



**Name:** 0424-00370 – 1.5" Monument lid

**Price:** \$22

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

**Links:** [Manual](#) [User Guide](#)

**Description:**

Spare lid for 0424-00371. Because they are magnetic they click into place as soon as you get them near the nest. Easy!



## Targeting

**Name:** 0424-00371-1 – 1.5" FRS Monument, Mag

**Price:** \$110

**MFG:** Electroimpact

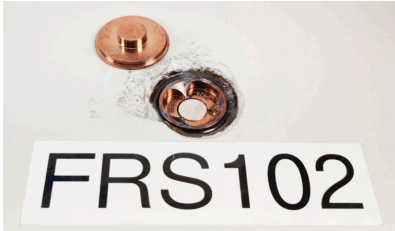
**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" FRS Monument Assy With magnetic lid. Recommended general use precision monument. Lid can be removed with a minimal pry tool (screwdriver, key, coin, etc.) or by hand for those with strong fingers. No coring required for installation (hammer drill only)!



**Name:** 0424-00371-2 – FRS Monument, 1.5"

**Price:** \$90

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" FRS Monument Quick Assy (No Lid). 00371 but with no lid. Useful only for unusual applications, e.g. flush wall mount.



**Name:** 0424-00374 – Setting tool

**Price:** \$120

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" FRS Monument Steel Setting Tool for 0424-00371 (magnetic lid). Greatly simplifies fast and accurate installation. Reusable. Steel.

NO PHOTO AVAILABLE

**Name:** 0424-00375 – FRS Install Dwg

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00371, 00374, 00375

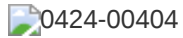
**Links:** [Manual](#) [User Guide](#)

**Description:**

Installation drawing only. Monument is .13"dia x .7" tall. 1.5" FRS Monument Quick Assy install drawing

NO PHOTO AVAILABLE

# Targeting



**Name:** 0424-00404 – Installation drawing only.  
Monument is .13"dia x .7" tall

**MFG:** Electroimpact

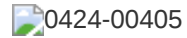
**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

FRS w/locking lid, 1.5" SMR -- installation drawing. Installation drawing only. Monument is .13"dia x .7" tall



**Name:** 0424-00405 – 1.5" FRS Monument, lidless

**Price:** \$105

**MFG:** Electroimpact

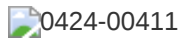
**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

00459 but with no lid. Useful only for unusual applications, e.g. flush wall mount.



**Name:** 0424-00411 – Locking lid, 1.5"

**Price:** \$25

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

Spare lid for 0424-00459 kit. These are magnetic and click into place as soon as you get them near the nest. Use 3/16" Allen key for 1/8 turn to positively lock into place.



**Name:** 0424-00414 – Setting tool, 1.5 locking

**Price:** \$24

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

1.5" Locking FRS Monument Plastic Setting Tool for 0424-00374 or 00459. Greatly simplifies fast and accurate installation. Reusable. Plastic.

## Targeting

NO PHOTO AVAILABLE

**Name:** 0424-00433 – Lid, magnetic, 7/8"

**Price:** \$25

**MFG:** Electroimpact


**Weight:** 222 lbs

**Compatible With:** 0424-00433, 00616, 00461

**Links:** [Manual](#) [User Guide](#)

**Description:**

7/8" FRS Monument Lid

 0424-00459

**Name:** 0424-00459 – FRS Monument, 1.5", Lock

**Price:** \$120

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) [User Guide](#)

**Description:**

1.5" Locking FRS Monument with Lid. Precision monument with locking lid where there is demand for positive mechanical lid retention. Lid is magnetic but also locks with 1/8" turn using 3/16 Allen key. O-ring seal. No coring required for installation (use 1.375" hammer drill bit)

NO PHOTO AVAILABLE

**Name:** 0424-00461-1 – 7/8" FRS Monument, lidless

**Price:** \$105

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00433, 00616, 00461

**Links:** [Manual](#) [User Guide](#)

**Description:**

7/8" FRS Monument Assy (No Lid). Normally you will need this lid for this item.

NO PHOTO AVAILABLE

**Name:** 0424-00461-2 – 7/8" FRS Monument, Mag lid

**Price:** \$120

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00433, 00616, 00461

**Links:** [Manual](#) [User Guide](#)

**Description:**

7/8" FRS Monument Assy With magnetic Lid. Recommended general use precision monument. Lid can be removed with a minimal pry tool (screwdriver, key, coin, etc.) or by hand for those with strong fingers. No coring required for installation (hammer drill only)!

## Targeting

**Name:** 0424-00616 – Setting tool, 7/8

**Price:** \$40

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00433, 00616, 00461

**Links:** [Manual](#) [User Guide](#)

**Description:**

7/8" FRS Monument Plastic Setting Tool. FAB REQUIRED

NO PHOTO AVAILABLE

**Name:** 0424-2093 – Lid

**Price:** \$22

**MFG:** Electroimpact

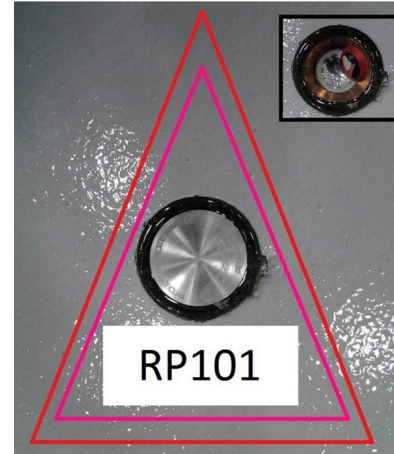
**Weight:** 222 lbs

**Compatible With:** 0424-2093, 00003, 00133, 00134, 00364

**Links:** [Manual](#) [User Guide](#)

**Description:**

Spare lid for 0424-00134.



**Name:** ActiveReflector – Hexagon Active reflector

**Rent:** \$188 checkout, \$62.86/day, \$440.00/wk

**MFG:** Hexagon

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) [User Guide](#)

**Description:**

The Active Reflector is Hexagon's version of API's Active Taret.

NO PHOTO AVAILABLE



**Name:** ActiveTarget – API Active target

**Rent:** \$188 checkout, \$62.86/day, \$440.00/wk

**MFG:** API

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) [User Guide](#)

**Description:**

The API Active Target is a powered, gimbaled reflector that faces the laser tracker as it moves relative to the Active Target. This is very useful for compensation of large machines where thousands of points must be measured. Users must remember to enter the appropriate offset!

# Targeting

## ALLENKEY3\_16

**Name:** ALLENKEY3\_16 – Allen key, 3/16"

**Price:** \$20

**MFG:** Electroimpact

**Weight:** 222 lbs

**Compatible With:** 0424-00404, 00405, 00411, 00414, 00459, ALLENKEY

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

3/16" Allen Key for FRS monuments with locking lids.



**Name:** BMR-0.5 – SMR, 1/2"

**Rent:** \$188 checkout, \$4.01/day, \$28.05/wk

**MFG:** PLX

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

SMR, 1/2", glass, .0005 centering. Standard glass PLX target recommended for general use with laser trackers.

**Name:** BMR-0.875 – SMR, 7/8"

**Rent:** \$188 checkout, \$4.35/day, \$30.47/wk

**MFG:** PLX

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

SMR, 7/8", glass, .0005 centering. Standard glass PLX target recommended for general use with laser trackers.



**Name:** BMR-1.5 – SMR, 1.5"

**Rent:** \$188 checkout, \$5.01/day, \$35.09/wk

**MFG:** PLX

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

SMR, 1.5", glass, .0005 centering. Standard glass PLX target recommended for general use with laser trackers.



## Targeting

**Name:** ei-targets – EI target kit

**Rent:** \$940 checkout, \$29.20/day, \$204.42/wk

**MFG:** Electroimpact

**Weight:** 222 lbs

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

0

NO PHOTO AVAILABLE

**Name:** FlatNest – Flat nest

**Rent:** \$68.8725 checkout, \$0.55/day, \$3.85/wk

**MFG:** Any

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

Flat nests look much like drift nests but have a ground bottom and a precision distance from the measured surface to the center of the SMR. They should never be hot glued in place to be used as drift nests.



 FLOORPRINTKIT

**Name:** FLOORPRINTKIT – Floor label printer

**MFG:** Electroimpact

**Weight:** 222 lbs

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

Floor reference systems require labels. This kit enables simple, on-site printing of durable and readable 2" tall labels. Label material is part of the kit, along with overlay material to further protect the installed label. This is the label system used around Electroimpact in many buildings.

**Name:** hubbslanyardset – 0

**Rent:** \$45.915 checkout, \$0.52/day, \$3.63/wk

**MFG:** Hubbs

**Weight:** 222 lbs

**Links:** [Manual](#) **Links:** [User Guide](#)

**Description:**

0

NO PHOTO AVAILABLE

# Targeting



**Name:** PinNest – Pin nest

**Rent:** \$68.8725 checkout, \$0.55/day, \$3.85/wk

**MFG:** Any

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

Pin nests are used to measure the location of precision reference holes or bushings placed on machines and fixtures. Reference holes should be reamed and are best reamed slightly oversized and bushed using drill bushings and green locktite as press-fit bushings tend to have their walls collapse slightly. Electroimpact has a very wide variety of pin nests, but 1/4" and 6mm are the two most common sizes. Size should be based on customer requirements, typically 1/4" for Boeing and 6mm for Airbus.



**Name:** SuperCateye – Super CAT Eye reflector

**Rent:** \$376 checkout, \$15.71/day, \$110.00/wk

**MFG:** Hexagon

**Drawing Number:** 0424-xxxx

**Weight:** 222 lbs

**Links:** [Manual](#) Links: [User Guide](#)

**Description:**

The Super Cateye is a very wide angle (180??) target, very useful for large machine compensation and applications where a wide angle is useful.

# SOFTWARE



We have metrology software and related software for reverse engineering.



## Software



**Name:** MetrologX4 – Metrolog X4

**MFG:** Metrologic **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Metrology software with powerful inspection, scanning and GD&T capabilities.



**Name:** PW – Polyworks Inspector

**Rent:** \$34.37 checkout, \$62.86/day, \$440.00/wk

**MFG:** Polyworks **Drawing Number:** n/a

**Weight:** 222 lbs **Compatible With:** All trackers

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Polyworks is noteworthy for good GD&T and part inspection capabilities



**Name:** SAU – Spatial Analyzer Ultimate

**Rent:** \$34.37 checkout, \$94.29/day, \$660.00/wk

**MFG:** Hexagon **Drawing Number:** n/a

**Weight:** 222 lbs **Compatible With:** All trackers

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Spatial Analyzer (SA) has a unique capability for very accurate "bundling" of control networks (reference systems). This is the tool to be used for any Enhanced or Foundation reference systems. Electroimpact has developed an automation wrapper (Operation Commander aka OpCom) that can exploit SA's capabilities.



**Name:** Verisurf – Verisurf

**MFG:** Verisurf **Drawing Number:** n/a

**Weight:** 222 lbs **Compatible With:** All trackers

**Links:** [Manual](#) , [User Guide](#)

**Description:**

Powerful surface measurement software for laser trackers and scanners.



# Geomagic Design X

**Name:** DesignXGo – 0

**MFG:** Hexagon **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Geomagic Design X is used for reverse engineering scan data to create "waterproof" models for 3D printing, accurate models for 3D visualization or to reconstruct accurate parametric 3D CAD models.

# SERVICES

Electroimpact offers metrology services from measurement to CMM or tracker setup to turnkey production automation programming, such as for aircraft integrated join systems.



## Services

NO PHOTO AVAILABLE

**Name:** HCMM – CMM Programming

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Time for usage by Electroimpact employees. (Does not include employee time).

NO PHOTO AVAILABLE

**Name:** HM – Metrologist

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Rate for metrologist

NO PHOTO AVAILABLE

**Name:** HME – Metrology engineer

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Rate for metrology engineer

NO PHOTO AVAILABLE

**Name:** HMH – 0

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**

Etrology for usage by Electroimpact employees. (Does not include employee etrology).

## Services

NO PHOTO AVAILABLE

**Name:** HMP – Metrology programmer

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**  
Rate for metrology programmer

NO PHOTO AVAILABLE

**Name:** HMT – Metrology technician

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**  
Rate for metrology technician

NO PHOTO AVAILABLE

**Name:** HourAnyTracker – Laser tracker, hourly

**MFG:** Electroimpact **Weight:** 222 lbs **Links:** [Manual](#) , [User Guide](#)

**Description:**  
Rate for laser tracker usage by Electroimpact employees. (Does not include employee rate).