

The Apex Scanner

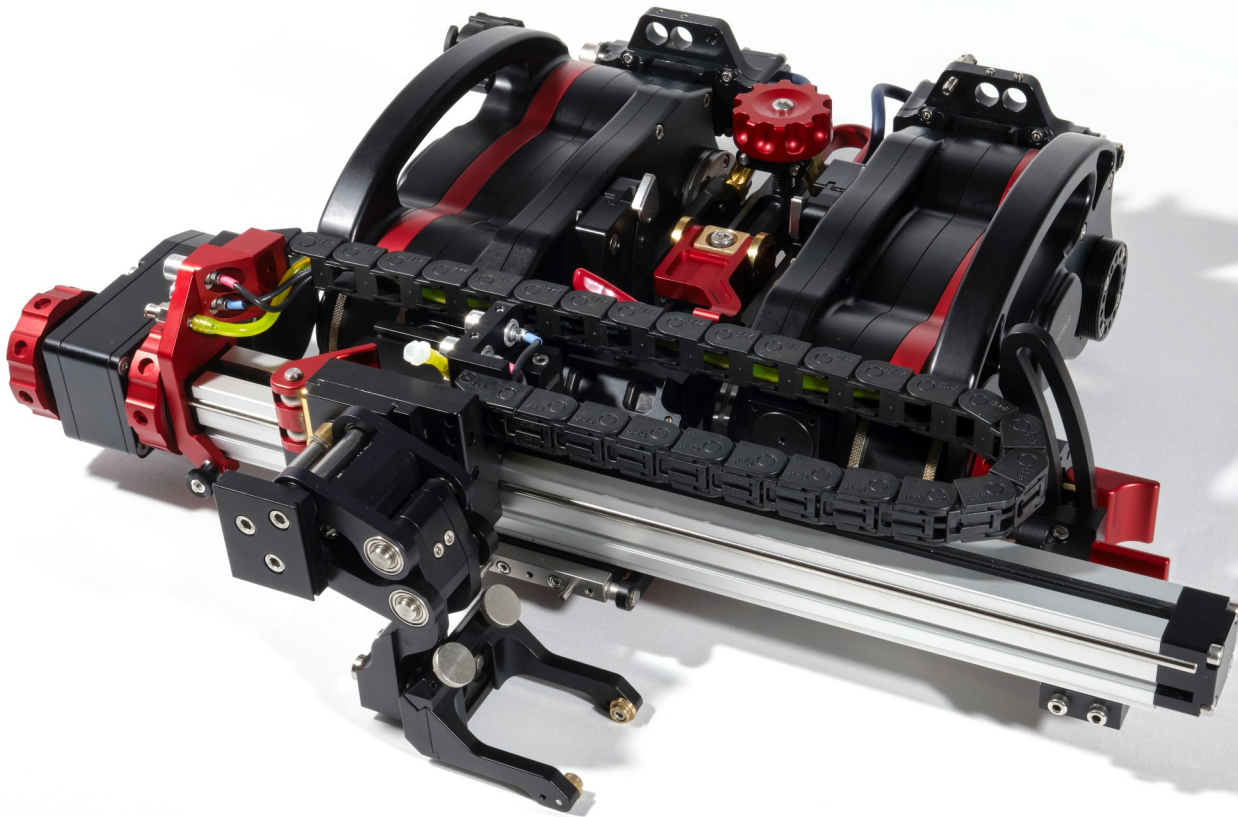
MODULAR, UNIVERSAL SCANNER PLATFORM

Introducing the new **Apex Scanner—One Scanner for All of Your Job Requirements!**

Toolless Modules Bring Versatility, Portability, and Reliability to Your Scanning Arsenal

ScanTech has answered the call for a portable yet versatile crawler with many rugged field proven components:

- **Modularity**—Toolless attachments for B-Scan, Front Raster Arm, Side Raster Arm, and Multi-Probe Weld Scans.
- **Versatility**—Scans circumferentially or longitudinally; This includes a river-bottom raster scan or a long seam weld scan.
- **Compatibility**—Use with our powerful Analyst Controller and Software or connect to a third party Phased Array system.
- Field proven straight-line probe lift provides far greater ruggedness than a linear guide while ensuring positional accuracy.
- Rigid dovetail probe yoke provides wide adjustability for most probes, including Phased Array Probes, while maintaining the rigidity required for real world environments.
- Probe holders incorporate ScanTech's patented Anti-Tip probe gimbal for best-in-class stability and UT signal return. When combined with the near-constant force spring design, you get a superior probe holder that will skim over welds with ease and provide quality repeatable UT readings.



ScanTech utilizes our **STC distributed, modular control system**. This communication architecture minimizes conductors making the umbilical significantly lighter. It also offers easy expandability for an additional axis or add-on features, making this a very versatile platform for your scanning requirements. The Apex will easily adapt to nearly any application.

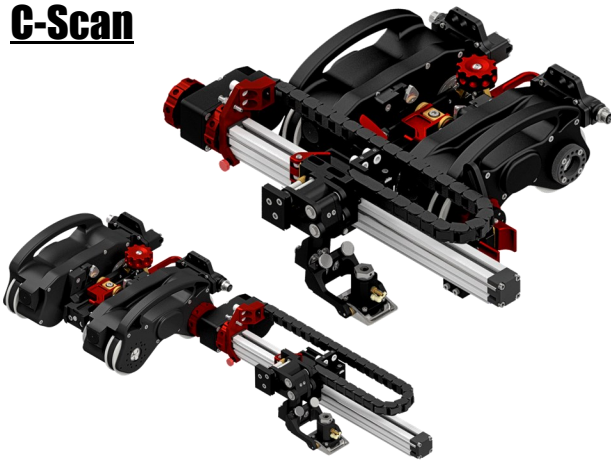
Attachment Modules for B-Scan, C-Scan, and Weld Inspection

B-Scan



- New mid-section body design with high compliance suspension
- Toolless attachment points and wheel angle adjustment for small radii
- Probe coupling incorporates our ACR design for reducing turbulence and water consumption
- Our newest spring design offers the most constant contact force over full travel to date

C-Scan



- C-Scan arms are quick-attached for either front mounted or side mounted raster scanning
- Lead screw and belt drive configurations are available
- New compact brushless DC raster motor pack with integrated encoder/controller/drive offering high torque and performance
- Lead screw raster arms are hot swappable with the modular motor pack, allowing fast reconfiguration of arm lengths and positions, without needing multiple motor packs

Weld-Scan



- New purpose-built probe guide hardware delivers our trusted reliability and ruggedness in lightweight, modular, multi-probe configurations of common TOFD and PA setups
- Quick, toolless adjustments ensure proper probe contact on pipe surface, for both circumferential and longitudinal scans
- Rigid, toolless probe width adjustment to accommodate most popular probe models
- Retains ScanTech's trusted anti-tip probe mechanism to prevent probes from flipping over

Specifications:

Base Scanner Unit:

Length	10.5 in (266.7mm)
Width (Slim Wheels)	10.8 in (271mm)
Width (Wide Wheels)	12.0 in (305mm)
Height	4.95 in (125.7mm)
Weight	19 lbs. (8.64 Kg)

Drive Units:

Speed (@ full load)	6 in/sec (153mm/sec)
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Raster Arm (Lead Screw):

Speed (@ full load)	30 in/sec (914 mm/sec)
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Raster Arm (Belt Drive):

Speed (@ full load)	30 in/sec (760 mm/sec)
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Pipe Inspection Minimum Diameters:

Circumferentially w/ Front Raster Arm:	6" OD
Circumferentially w/ Side Raster Arm:	3" OD
Axially:	12" OD w/ 9" inspection width