

***Custom electro-mechanical assemblies
that convert your manufacturing vision
into production reality.***



Improve your manufacturing

Successful manufacturing is all about control. Controlling production. Controlling costs. Controlling time-to-market. And no company is better able to keep you in control of all three than Advanced Design and Manufacturing Inc.

Whether you need a single prototype or a production quantity, ADM designs and builds custom turnkey electro-mechanical assemblies that enhance the performance of your production equipment and processes. No matter what industry you're in.

From semiconductors to medical, from process manufacturing to power and fluidics distribution, a growing list of the world's leading companies in these and other fields rely on ADM's comprehensive on-site design and manufacturing capabilities to meet strict quality metrics. Tight deadlines. And even tighter budgets.

Complete product design for compressed production schedules.

You may have only a preliminary idea sketched on a napkin. Or you may have a completely detailed engineering concept. In either case, ADM's design engineering services and advanced CAD will translate your functional concept and design constraints into a superior electro-mechanical assembly. One that is as functional and fully tested as it is visually impressive.

ADM provides design layouts. Schematics. Parts lists. Detail and assembly drawings. Wire run lists. And all additional documentation required to support assembly, manufacture and maintenance. Most important, because all these services are delivered under one roof, ADM eliminates your need to outsource any aspect of assembly or component manufacture. The result is the ability to further compress production schedules. So you can meet critical time-to-market deadlines.

Flexible, dependable production. For just-in-time delivery.

ADM's sophisticated design and timely production capabilities are complemented by

our agile response to changing client and market conditions. In addition to rapid prototyping of assemblies, and device evaluation under plant-floor conditions, ADM is an expert in Just-In-Time inventory strategies that help our customers successfully adapt to fluctuations in business volume. By optimizing your inventory levels and production schedules with proven dock-to-stock service, ADM helps clients achieve their financial and production objectives.

Rigorous quality testing for no-surprises results.

To ensure the most dependable performance in complex integrated assemblies, ADM has instituted a thorough test regimen.

That regimen includes testing of component cabling and harness components up through functional performance evaluation of final electromechanical assemblies. During the build process, all assemblies and sub-assemblies have intermediate inspections, during which electrical connections are inspected and continuity testing is done.

For testing, ADM uses a low voltage Weetek Cable Continuity Analyzer before assemblies leave the ADM facility. The Weetek analyzer's extensive programmability allows ADM to provide unsurpassed management of such key data as device revisions, test results, assembler and test history, and more. A Hipot High Voltage Analyzer is also employed when needed to test maximum voltage loads.

During final inspection, the assemblies are powered up and a comprehensive functional test is conducted. Test records are kept for each assembly and can be supplied with the shipping documents or kept on file at ADM. ADM also has the ability to design and build test fixturing for many applications.

The result of this rigorous attention to quality is that ADM has earned a reputation as a ship-to-stock assembly manufacturer. This allows our many demanding industrial partners to reduce or eliminate their incoming inspection time.

Preserving our edge — and yours — through technology.

The quality of ADM's assemblies is matched by the quality of the information systems we have implemented to manage internal business processes that meet customer expectations and production schedules.

ADM's network of computers tracks the status of customer orders, scheduling, purchases, and manufacturing currently in process. It also provides an invaluable window into the operational history to better track engineering changes, sources of material, changes in scheduling, and other information.

Over a decade of increasingly sophisticated design and production of complex, integrated electro-mechanical assemblies has made one fact indisputably clear to our customers:

When it's time to turn engineering vision into production reality, the most demanding companies turn to ADM.

High Quality electro-mechanical assemblies for every need and industry including:

- Semiconductor
- Medical
- Scientific Research
- Food Services
- Robotics
- Fluidic Systems
- Process Manufacturing
- Power Distribution
- Gas Systems

Turnkey solutions for any assembly application:

- Electro-mechanical
- Chassis and Panel
- Cable and Harness
- Fiber Optics
- Fluid/Gas Assemblies
- And more



19" Rack Assembly: 19" x 18" x 5"



Power Distribution, Exterior: 78" x 48" x 18"



Power Distribution, Interior: 78" x 48" x 18"



Fluid & Pneumatic Control: 36" x 12" x 36"



System Control, Front: 78" x 36" x 36"



System Control, Rear: 78" x 36" x 36"



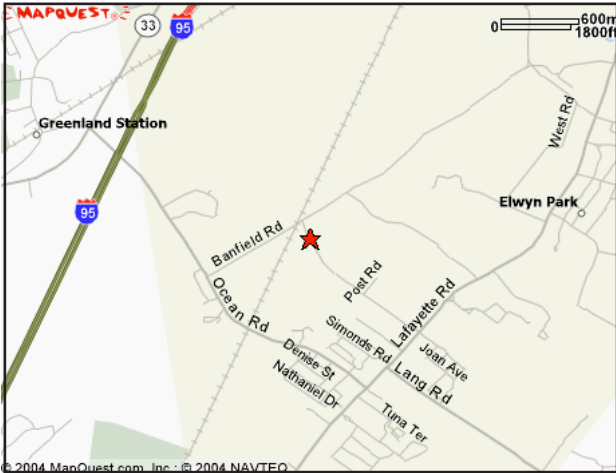
Remote D.I. Water: 36" x 40" x 42"



Control Harnessing: 8'-0" x 4" Dia.



Motion Control: 19" x 20" x 12"



Directions from I95: Take Exit 3B. Make a left onto Rt. 33.
Next left onto Ocean. Left onto Banfield. Right onto
Heritage.



Advanced Design & Manufacturing
350 Heritage Avenue
Portsmouth, NH 03801

(603) 430-7573

Fax: (603) 427-1624