

# Chris Stergiou

Concepts – Engineering – Solutions

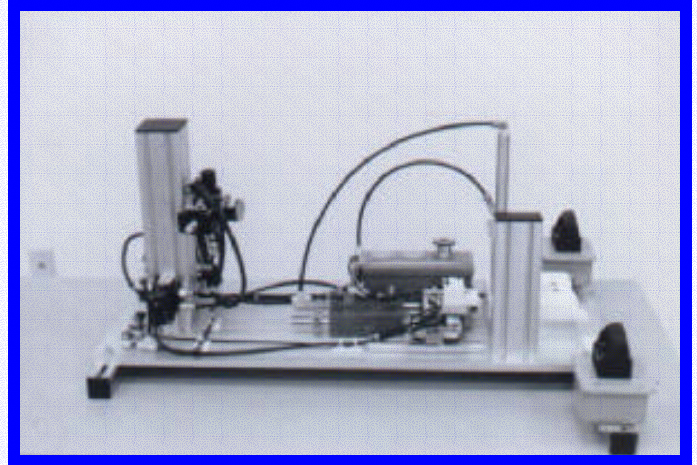
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## Custom Electro - Mechanical Systems Design and Build



Automated Multi-Part Assembly System



Manual Table Top Fixture – Press Assembly

### Product Cycle

### Level of Automation

R&D	- None/Design for assembly studies
Limited prototype run	- Manual Fixturing and Tooling
Pilot manufacturing	- Semi-Automated assembly tools
Full production release	- A mix of semi-automated assembly tools and a fully automated line or machine.
Mature high volume	- Fully automated and integrated line encompassing parts feeding, automated assembly, automated testing, packaging and data collection.

Assembly Automation ranges from simple tool and part fixturing, to semi-automation and full automation. The level of automation is determined by several factors, including operator skill sets, cycle time objectives, flexibility requirements and budgetary constraints.

I provide turnkey automation from simple fixtures to fully automated machines. I have the ability to take the project from early feasibility studies to final deployment of the hardware and full documentation.

**Call or email** with your Requirements, Statement of Work or Samples for a no cost evaluation and review of you custom mechanical requirements. You will receive a thought out strategy based on 25 years of experience in many industries and development projects.

[Visit My Web Site for a Comprehensive Presentation of Capabilities](#)

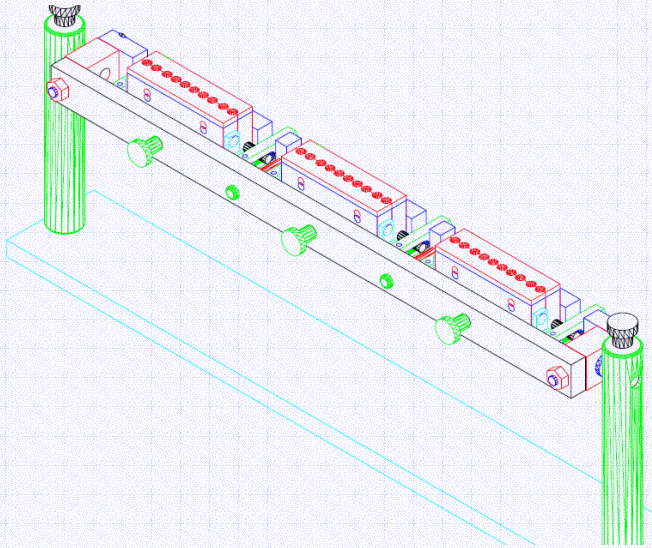
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## Custom Electro - Mechanical Systems Design and Build



All designs are in 3D AutoCAD with detailed Model Development and very efficient use of off the shelf and commercially available components.

Integration of drive systems, manual tooling and custom structures result is designs which are modular, flexible and easy to both build and maintain.

**Experience makes all the difference.**



Extensive use of Aluminum Extrusion Profiles and stock size aluminum and flat ground steel plates for structures, result is simple yet robust frame structures onto which tooling, actuation and automation components can be built.

System controls may consist of simple manual pneumatic valves to more sophisticated PLC controls with integrated motors, pneumatics and specialized test modules such as leak testers, Hi-Pot testers, parts feeders etc.

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