

Complex Engineering, Simple Business.

Your engineers own the engineering. We own the execution. A U.S. company — you contract with us, invoiced and paid domestically, with freight, customs and duties in our scope.

Production Automation

For plants and tier-1 suppliers

- Assembly & test lines — 12 to 90 s cycles, up to 30+ stations
- Tooling packages & changeover tooling
- Retrofit & modernization of existing machines
- End-of-line test: leak, electrical, NVH, gauging
- Robotic work cells · MES / WMS / MDC / DNC

Precision Instruments & Components

For laboratories, research groups, manufacturers

- High-precision thickness measurement fixtures
- Air-bearing guideways, rotary tables, spindles
- Hydrostatic guideways · granite metrology bases
- Precision machined parts & optical machining
- Every instrument ships with a CMM inspection report

DELIVERED SYSTEMS

12 s

fastest line cycle delivered

30+

stations on a single line

23

stations, HVAC line — sister line in Mexico

11

stations, robot joint line (engineered design)

QUALIFIED AND BOUGHT BY

Sanden

JAPAN

A complete production line

Sanden

MEXICO

Coupling welding and measurement equipment

Schaeffler

GERMANY

Tooling and fixture packages

HOW ENGAGEMENTS START

STEP 0 · 3-6 WEEKS

Engineering Study

\$15,000 – 50,000

Process assessment, automation concept, line layout, budgetary number, risk register. No capital approval needed — the study is yours either way.

STEP 1 · 12-24 WEEKS

Tooling Package or Retrofit

\$600,000 – 1.5M

A contained piece of production hardware — a cell, a test station, a tooling package — the full experience of working with us at one capital approval.

STEPS 2-3

Line Section → Full Line Scoped per project

Multi-station segments through complete turnkey lines, with FAT sign-off before anything ships.

If the numbers don't support automating it, we'll say so — a recommendation not to automate is a valid outcome of the study.

Automation systems are engineered and built by Linking Automation (Shanghai), for whom we hold exclusive North America distribution. Precision instruments and components are built by our precision equipment partner. Both work under ISO 9001:2015 certified quality systems. Customers include Schaeffler, Magna, Continental, Sanden and Huayu Automotive.