

Manufacturing Capabilities & Services

HICKOK WAEKON

ISO 9001:2015
QUALITY MANAGEMENT SYSTEM
CERTIFIED

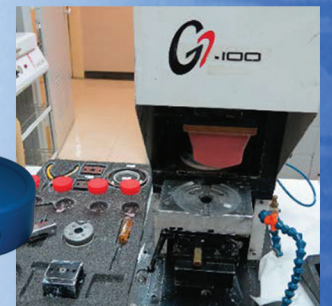
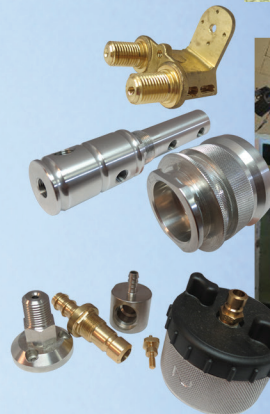
Concept, Design, Development & Production Services

Hickok Waekon has been in the business of developing and manufacturing tools for service technicians for over a century. For the last 40+ years we have been an industry leader in design, development and production of electronic and non-electronic diagnostic and service tools for technicians in the transportation industry. This includes products designed for automotive aftermarket service providers, tools designed specifically to OEM requirements, and products developed for the emissions testing industry.

During this same time we have become an integral supplier of critical Indicators and Gauges to the aviation (military, private and commercial) and locomotive industries. From Concept to production and through the life cycle of the product we have the engineering and manufacturing expertise to provide our customers with the value of high quality, cost effective, innovative solution.

Contract Manufacturing Services

- Custom Electronics Design, Assembly & Fabrication
- Automated Circuit Board Assembly
- 4 Mazak Turning Centers performing Multi-Axis, Multi-Spindle CNC Machining
- Metalworking
- Plastic Injection Mold Design & Fabrication



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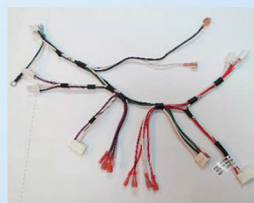
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Contract Manufacturing Services *(continued)*

- Silk Screening & Pad Printing
- Delicate Instrumentation (Avionics & Locomotive)
- Wire Harness Design & Assembly
- Laser Engraving On Plastics, Metals & Other Materials
- Kan-ban & Stocking Programs
- Low And High Volume Production Runs (1 To 10,000+)



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Direct Business Partnership Capabilities

- Sheet Metal Fabrications using CNC punch presses, metal cutting lasers
- Water Jet cutting and welding
- Large Scale Powder Coating
- Metal Plating and Blackening
- Aluminum Anodizing
- Heat Treating



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Equipment Listing

Automated Circuit Board Assembly

- Quad QSP-2 Pick & Place Machine with Fiducial Alignment Vision
- DEK 260 SMT Paste Screen Printer
- Heller 10 Zone Forced Convection Heating SMT Reflow Oven
- K.I.S.S. 101B Automated Selective Lead Free Solder Machine
- Hand Soldering & Magnification Stations

Molding

- 3 - Newbury 30-ton Shuttle Plastic Injection

Metalworking

- Mazak QT-250MY 40" CNC Lathe with Bar Feeder
- Mazak QT-250MSY CNC Lathe with Bar Feeder
- 2 - Mazak SQT-250M CNC Lathes with Bar Feeders
- All Mazak Lathes feature live tooling
- 3 - Haas VF Series Vertical Machining Center with CNC Tilting Rotary Table
- Niagara 20 & 30-ton Punch Presses
- GMC 4 ft. Metal Sheer
- Atom 25-ton Traveling Head Press for Steel Rule Die Cut products
- Milman Geared Head Tapper capable of tapping to 200 pitch thread

Laser Engraving

- HANS 20 watt Fiber Laser MOPA marking system

Delicate Aircraft & Locomotive Instrumentation

- 6 - Downdraft Clean Room Work Benches
- 9 - Microscope Camera Assisted Assembly Stations
- CNC Coil Winder for winding fine wire thinner than a human hair
- Electric Breakdown Tester

Wire Harness Design & Manufacturing

- Terminal Applicator Presses
- Komax 33 Wire Stripper with Schleuniger De-reeler
- AMTI Slice 141 Tubing Cutter
- Cirris wiring verification Tester
- CAMI Cable Eye wiring verification Tester

Silkscreen & Printing

- Printex Closed Cup Pad Printer
- Manual & Semi-automatic Silkscreen Stations
- UV Ink Lamp Dryer with Conveyor
- Powder Coating Operation & Oven

Rapid Prototyping

- Prusa I# MK2S 3D Printer

Contact Information

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