



THE ROAD TO INNOVATION
**MEDICAL
MAIN STREET®**
POWERED BY OAKLAND COUNTY, MICHIGAN



MICHIGAN®
**MEDICAL
DEVICE**
MANUFACTURERS
DIRECTORY



HERE'S YOUR SUPPLY CHAIN – IT'S IN MICHIGAN

Connect with potential partners, customers and suppliers – you can research, design, test, engineer and manufacture here.

MedicalMainStreet.com

Medical Main Street is a network of world-renowned hospital systems, universities and life science companies – forming a globally-recognized hub of innovation.

Medical Main Street business services include:

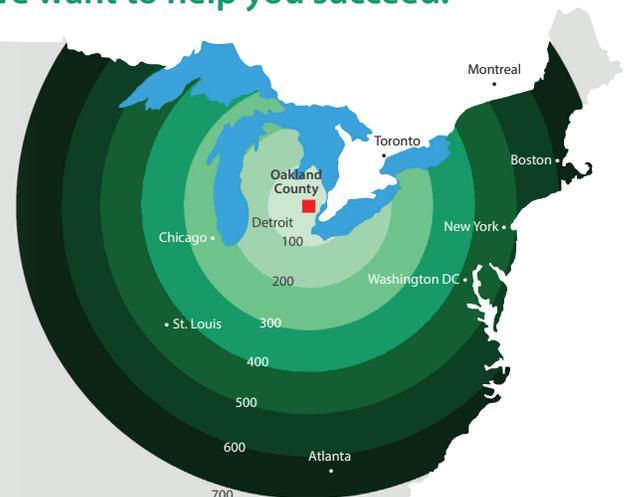
- Introducing you to experts who can guide you from concept to prototype and through regulatory requirements to FDA approval and commercialization.
- Training and networking events for you to connect with potential partners, customers and suppliers.
- Helping you get to the right people and the right funding at the right time.
- Connecting you to plastics, metals, electronics and other manufacturers who can help inventors with design, prototype, production, sterilization and distribution needs.
- Providing access to Oakland County's Department of Health & Human Services, one of the nation's leading public health institutions.

If you are interested in more information or expanding in Oakland County, contact:
Info@MedicalMainStreet.com
(248) 858-0978

Oakland County

2100 Pontiac Lake Road – Building 41W
Waterford, Michigan 48328 | USA

We want to help you succeed!



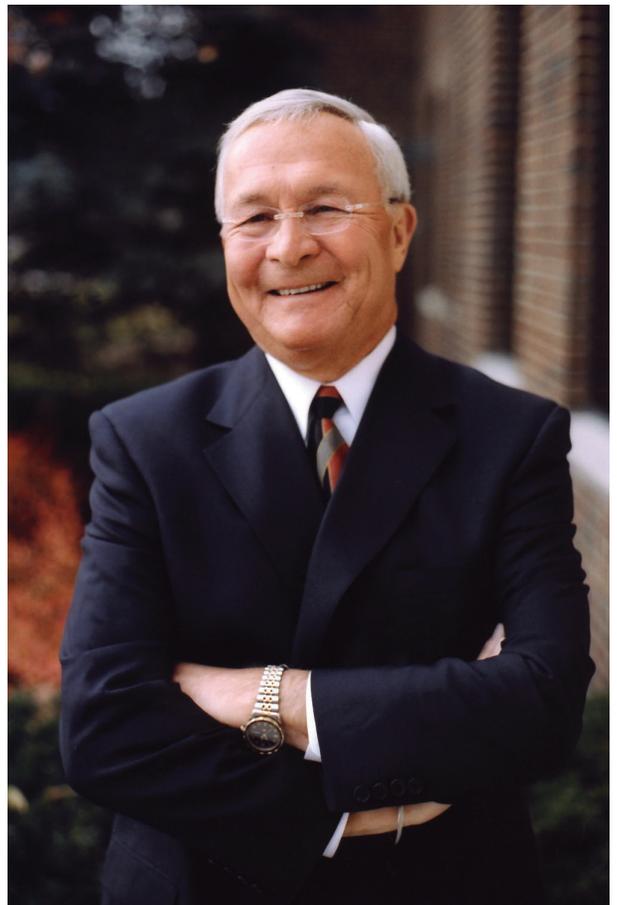
A Message from L. Brooks Patterson Oakland County Executive

Oakland County, Michigan drives the Medical Main Street program for the region, to connect and spotlight our vibrant life science and manufacturing industries. Companies can find the partners and talent that they need to do everything — research, design, test, engineer or manufacture. If you can imagine it, we can make it here. Innovation is in this region's DNA.

The Michigan Manufacturing Technology Center has helped us compile this medical device manufacturing directory to give you a sample of what is available, providing you with instant access to the Michigan-based supply chain.

With more than 39,000 businesses, Oakland County is the economic engine for Michigan's economy, and our diverse assets have attracted some 1,100 international firms from 39 countries to locate here. Few locations in the world can match the resources we can offer companies and their employees.

I urge you to contact our Medical Main Street team to learn how Oakland County can help your business grow in Michigan.



Michigan Medical Device Manufacturers

Company Name	ISO 13485	FDA	GMP	Manufacturer	Distributor
3 Dimensional Services				•	
Action Fabricators				•	
Adco Circuits	•	•	•	•	
Advance Turning & Manufacturing	•			•	
Aim Plastics	•			•	
Airman Inc.				•	
Ajax Spring & Manufacturing				•	
Alternative Components LLC				•	
Amtech Electrocircuits	•			•	
Anticipated Plastics Inc.				•	
Autocam Medical	•	•		•	
Avon Broach & Production				•	
B C & F Tool Company				•	
Baker Industries				•	
Barron Industries				•	
Barron Precision Instruments	•			•	
Becker Metal Works				•	
Becker Orthopedic	•			•	
Becker Rehabilitation Products				•	
Biopro	•	•	•	•	
Britt Manufacturing	•			•	
Carlson Metal Products				•	
Centurion Medical Products					
Clinton River Medical Products					
DASI Solutions					
Debron Industrial Electronics	•			•	
Delphinus Medical Technologies		•		•	
Diamond Tool Manufacturing				•	
Di-Coat Corp.				•	
Dornerworks, LTD	•			•	

Michigan Medical Device Manufacturers (cont.)

Company Name	ISO 13485	FDA	GMP	Manufacturer	Distributor
Dynamic Computer Corp.	•	•	•	•	
Electro Optics Manufacturing				•	
Elite Mold & Engineering	•			•	
Emerald Engineered Decorative Solutions	•			•	
EOS of North America			•	•	
Excel Medical Products	•	•	•	•	
FANUC Robotics North America					
Ferndale Contract Manufacturing		•	•	•	
Firstronic LLC	•			•	
Fluxtrol					
Frontier Medical Devices	•	•		•	
Future Products Tool Corp.				•	
Globe Tech LLC				•	
GoBioMed					•
Gonzalez Production Systems Inc.				•	
Gresham Driving Aids					
Harding Energy	•	•		•	
Hart Enterprises Inc.	•	•	•	•	
Hi-Tech Mold & Engineering Inc.				•	
Hommel-Etamic America Corp.	•			•	
Hoover Precision Products	•			•	
Hy-Tech Spring			•	•	
IEE Sensing Inc.				•	
Industrial Woodworking Corp.					
INOAC USA				•	
Integrated Sensing Systems	•	•		•	
J & B Medical Supply					•
J. Sterling Industries	•	•		•	
Kent Manufacturing	•			•	
Keystone Product Development	•	•		•	

Michigan Medical Device Manufacturers (cont.)

Company Name	ISO 13485	FDA	GMP	Manufacturer	Distributor
Kremin	•			•	
LMS (an Aptar Company)				•	
M.A.K.S.				•	
Mar-Med, Co.					•
Marposs Corp.					
Materialise				•	
MC3 Corp.			•	•	
MedBIO	•	•		•	
Medimage					
Medi-Nuclear Corp.					•
Michigan Instruments	•	•		•	
Michigan Metals & Manufacturing, Inc.					
Micro Machine Company	•			•	
Miller Technical Services, Inc.	•	•			
Myco Industries					•
NoIR Medical Technologies				•	
Northwest Tool & Machine Inc.				•	
NYPRO, A Jabil Company	•	•		•	
Odyssey Electronics Inc.	•			•	
Oerlikon Balzers				•	
Oliver Healthcare Packaging	•	•	•	•	
Omega Plastics	•		•	•	
Omega Surgical Instruments	•			•	
Omni Medical Supply Inc.					•
OPS Solutions					
Orchid MACDEE	•	•		•	
Orchid Orthopedic	•	•		•	
Orchid Orthopedic	•	•	•	•	
Orchid Unique (Bridgeport)	•	•		•	
OscO Inc.					
Oxus America	•			•	
PGK Services					

Michigan Medical Device Manufacturers (cont.)

Company Name	ISO 13485	FDA	GMP	Manufacturer	Distributor
Pinnacle Technology Group					
Pointe Scientific	•	•	•	•	
Precision Edge Surgical Product				•	
Prezio Health	•				
Product & Tooling Technologies				•	
Pros-Tech Inc.				•	
Protomatic Medical	•			•	
PTI Engineered Plastics	•	•	•	•	
Robinson Industries				•	
Rockwell Medical		•	•	•	
Rose Medical	•	•		•	
Royal Oak Medical Devices				•	
RTI Surgical				•	
Safari Technologies	•	•		•	
Safe N Simple				•	
Saint Gobain Performance Plastics				•	
Saline Lectronics Inc.	•			•	
Setco Sales Co.					
SharperTek					
Skytron LLC					
SMC Corporation of America					
SOTA Technologies				•	
Stanco Metal Products				•	
Stryker Corp.				•	
SunMed	•	•		•	
Surge Cardiovascular	•	•		•	
Surgitel	•				
TD Industrial Coverings Inc.				•	
Tech Group Grand Rapids	•	•		•	
Tecomet	•			•	
Tekna	•	•	•		

	Allied Services	Machining	Casting	Die Cutting	Injection Molding	Extrusion	Tooling/Dies/Moldmaking	Stamping	Machine Building	Pad Printing	Assembly	Finishing	Welding	Electronics	Design	Engineering	3D Printing /Additive Manufacturing	Prototypes	Clean Room	Contract Manufacturing	Private Label	Packaging	Sterilization	Testing	Warehouse	Logistics	Adhesives	Foams	Metal/Alloys	Plastics/Polymers/Rubber
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Michigan Medical Device Manufacturers (cont.)

Company Name	ISO 13485	FDA	GMP	Manufacturer	Distributor
Tel-X Corporation				•	
Terumo Cardiovascular Group	•			•	
Thielenhaus Microfinish					
Thyssenkrupp					
TPC Sales LLC				•	
Trelleborg Sealing Solutions				•	
Tri-Pac Inc.	•	•		•	
TruLife	•			•	
Trutron Corp.				•	
TSM Corp.				•	
UFP Technologies	•	•		•	
Vaupell Midwest Molding and Tooling	•			•	
Ventura Manufacturing				•	
Wolverine Assemblies LLC					
Wolverine Orthotics				•	
Xcentric Mold & Engineering				•	

3 Dimensional Services

3Dimensional.com

Materials include all grades of aluminum and steel, rubber, urethane, sand, wood and plaster. 100 CNC machining centers, mills, lathes, multi-axis machines, vertical and horizontal, gun drill, boring mill, stamping, laser processing, hydroforming, tube bending and waterjet cutting. Rapid prototyping includes stereolithography (SLA), fused deposition modeling (FDM), selective laser sintering (SLS) and rapid injection molding (RIM).



Rochester Hills

Action Fabricators

ActionFab.com

Converts and die-cuts custom-made tapes, plastic, rubber, non-adhesive-backed foams and specialty materials for a wide range of applications. Prototyping, slitting, laminating, die-cutting and assembly. Materials include 3M product, foams, rubber and plastic such as polyethylene and neoprene, and specialty materials like carbon fiber, multiaxial and composites.

Grand Rapids

Adco Circuits

AdcoCircuits.com

Design, new product introduction, rapid prototyping, surface mount printed circuit board assembly, box build/system integration, test and environmental stress screening, conformal coating, automated optical inspection, selective soldering, supply chain and order fulfillment.



Rochester Hills

Advance Turning & Manufacturing

AdvanceTurning.com

Processes include: OD/ID grinding, gun drilling, gear and spline manufacturing, milling, turning, Swiss machining, EDM fabrication, milling spindle and multi-axis machining. Materials include: Aluminum, titanium, high nickel alloys like inconel, monel, hastelloy, stainless steel, plastics, forgings, castings, stampings and extrusions.

Jackson

Aim Plastics

AimPlastics.com

Tool design in 3D CAD and built using its proprietary Prototype Plus™ processing, two-shot molding, insert and over molding, cleanroom molding, scientific molding and light assembly. Value added services includes pad printing, secondary machining, part welding, heat staking, solvent bonding, sonic welding, specialized packaging, painting, plating and EMI-RFI shielding.

Clinton Township

Airman Inc.

AirmanInc.com

48 CNC mills, turning centers and saws.
Metal finishing machines and weldments.
Manual knee mills and lathes.

Brighton

Ajax Spring & Manufacturing

AjaxSpring.com

Slide forming machinery, Heliarc welding, spot welding, heat treating, stress relieve, degreasing, deburring, plating, sharpening, anodizing, stamping, in-die assembly, insertion and tapping. Materials include: low and high carbon steel, brass, copper, beryllium copper, phosphor bronze, aluminum, stainless steel, titanium, nickel titanium and other spring alloy steel.



Madison Heights

Alternative Components LLC

AlternativeComponents.com

Bending, CNC rotary draw or vertical press, end forming, press forming, punching and notching, welding and brazing, assembly and staking. Materials include low carbon steel, high strength low alloy steel, most grades of stainless steel, copper, brass, aluminum, titanium and incoloy.

Warren

Amtech Electrocircuits

AmElectro.com

Circuit board assembly: 0201, fine pitch, BGA, uBGA, through-hole; box build; and mechanical assembly. Production and prototype. Lead-free, RoHS-compliant assembly, wire harness, cable assembly and hot/cold testing. Uses vapor phase reflow to achieve perfect solder joints as well as 3-D automated optical inspection (3D AOI) to ensure quality.



Anticipated Plastics Inc.

AnticipatedPlastics.us

Works with ABS, acetal, nylon, PBT, polycarbonate, polyethylene, PET, polypropylene, PVC and TPE. Injection molding.

Warren

Autocam Medical

Autocam-Medical.com

CNC machining and grinding, Swiss turning, cutter grinding, deep-hole gun drilling, laser marking, wire EDM, laser welding, precision saws, assembly, secondary finishing, coating and cleaning.

Kentwood

Avon Broach & Production

AvonBroach.com

Wire EDM, wire cutting, broaching, blind spline tooling, internal pull broach tools and surface broach tooling. Designs and manufactures broach insert holders and workpiece holding fixtures.



B C & F Tool Company

BCF-GunDrilling.com

Machining capabilities include milling, honing, turning, grinding and gundrilling. Materials include stainless steel, tool steels, brass, aluminum and titanium.



Oak Park

Baker Industries

BakerIndustriesInc.com

Materials include aluminum, magnesium, steel, stainless steel, Invar, Delrin, Ultem, polycarb, glass filled materials, nylon, acrylic, PC/ABS, ABS, silicon, fiberboard (low, medium and high density); press brakes, bend, shape, form, weld, boring mills, multi-axis machining, lathes, waterjet cutting, injection mold, compression mold, dual gloss mold-in color, additive manufacturing including Fused Deposition Modeling (FDM) and Direct Metal Laser Sintering (DMLS). Engineering designs tools, molds, fixtures and gages.

Macomb

Barron Industries

Barron-Industries.com

3D Printing via SLA or stereolithography. CNC machining includes grinding, honing, brazing, vertical and horizontal milling systems, turning, MIG and TIG welding, laser engraving, heat treating and painting.



Oxford

Barron Precision Instruments

BPIC.com

Materials include high-carbon stainless steel, Dacron. Proprietary multi-stage honing process.

Grand Blanc

Becker Metal Works

BeckerOrthopedic.com

Investment castings are made with ceramic or wax casting molds as an alternative to traditional machining. The casted parts are made of ferrous alloys, non-ferrous alloys and various grades of ductile iron. Additional processes include grind, heat treat, straightening and autoclaving.

St. Clair

Becker Orthopedic

BeckerOrthopedic.com

Materials include stainless steel, thermoplastics, copoly, carbon fiber, aluminum, leather, composites, copolymer, polypropylene, low density polyethylene and carbon graphite fibers. Processes include vacuumforming, tapping and finishing.



Becker Rehabilitation Products

BeckerOrthopedic.com

Products are orthopedic devices, some stitching, some thermoforming of plastic components, machining of metal hinges and supports.



Biopro

BioproImplants.com

CNC machining, milling, turning and grinding. Products include a variety of implants for upper and lower extremities, soft tissue bone screws and cannulated screw systems, memory staples, biologics and surgical instruments.

Port Huron

Britt Manufacturing

BrittMfg.com

Powder injection molding specialist in metal and ceramic injection molding, sintering, coining, machining including grinding and milling, heat treating, coatings including chrome plating and black oxide, and finishing, welding and passivation. Can assist with design through production. Also has micro molding capabilities of parts as small as .0015 grams.

Port Huron

Carlson Metal Products

CarlsonMetal.com

Sheet metal fabrication, MIG & TIG welding, turret press punching, CNC inspection, shearing, punching, forming, welding, assembly and finishing services including powder coating, painting, stenciling, plating, silk screen printing and anodizing. Work with steel, stainless steel, aluminum, copper, brass and some plastics.



Centurion Medical Products

CenturionMP.com

Product line includes procedural trays, single-use instrument trays, catheter securement/stabilization and wound care/dressings. Services include contract packaging and sterilization services. Features 100% ethylene oxide sterilization, in-house services include product sterility, biological indicator, bioburden, bacteriostasis and spore strip enumeration testing.

Williamston

Clinton River Medical Products

ClintonRiverMedical.com

Its Tailwind power-assist wheelchair is comprised of an ultra-lightweight aluminum frame, electronics, dry cell NiMH8.4 Ah battery, custom upholstery options, hand rim, caster wheels and tires. It is custom designed and made for each user; almost any dimension can be configured to fit.



DASI Solutions

DASIsolutions.com

Fused Deposition Modeling (FDM), PolyJet printing and rubber over molding capabilities.



Pontiac

Debron Industrial Electronics

Debron-Electronics.com

Capabilities range from simple, single-sided thru-hole to multi-layer, fine pitch surface-mount assemblies, complex technology assemblies using semi-rigid flex, aluminum substrate and high-content copper circuit boards. Capabilities also include a wide range of axial, radial, odd form components, surface mount devices and leading edge, Ball Grid Array (BGA) placements. Also has wire and cable assembly services for stand-alone production needs. Box builds for customer specific projects and validation and testing.



Troy

Delphinus Medical Technologies

DelphinusMT.com

Developing a 3D whole breast ultrasound system using sound and water for imaging, via proprietary algorithms. The SoftVue™ system has received FDA clearance for diagnostic imaging purposes.



Novi

Diamond Tool Manufacturing

DiamondToolMfg.com

Diamond and CBN electroplated tooling, CNC machining and grinding. Products include a wide variety of form wheels, broaching wheels, hone tools and grinding mandrels for manufacturing and surgical instruments. The surgical instruments include custom burrs, fluted burrs, diamond plated burrs, bone saws and accessories. Capabilities include custom notching and private label marking.

Plymouth

Di-Coat Corp.

DiCoat.com

Manufacturer of surgical instruments, cutting tools, broaches, jigs and mandrels used by tooling companies to manufacture parts; also the machinery that uses the tools.



Novi

Dornerworks, LTD

Dornerworks.com

Has provided software development for an ultrasound bone stimulator, which included LCD display, encrypted USB communications and rechargeable batteries; a pneumatic control circuit board and pressure sensing I/O circuit board for Stryker hospital bed, which included safety critical software design, SPI & CAN inter-processor communication; MultiGen™ radiofrequency generator for chronic back pain treatment, which included full touch-screen interface and independent controls for up to four lesions, thermal elements; developed a system for moving large patients without risk of injury, which included thermal and power signal spacing with analog I/O, motor control, power regulation on a high density board.

Grand Rapids

Dynamic Computer Corp.

DCC-Online.com

Q-wrxSM is a deployment ready quality management system for ISO 13485 registered companies. As a value-added IT reseller, helps clients acquire IT hardware and software via OEM channels to verify authenticity, security and compliance with all regulatory requirements.



Farmington Hills

Electro Optics Manufacturing

ElectroOpticsMfg.com

Contract manufacturer specializing in precision stamping, machining and assembly. Also manufacturers tools for termination of fiber optic cable and copper wire. CNC milling, surface grinding, assembly, bar-coding, cleaning, coating, deburring, heat treatment, in-house testing, pad printing, packaging and plating. Tooling capabilities include dies from progressive, compound, carbide, steel, forming and small die punches. Materials include aluminum, beryllium, brass, copper, ferrous alloy, high temperature alloys, nickel, non ferrous alloys, plastic, spring steel, stainless steel and thermal alloys.

Wyandotte

Elite Mold & Engineering

TeamEliteOnline.com

Has rapid prototyping capabilities. Produces prototype and low volume injection molds in aluminum and soft steel. Injection molding is available and capabilities include light assembly, insert molding, pad printing, plating, texturing, finishing, sonic welding and heat staking. Sister company Elite Plastic Products specializes in medium to high volume plastic molding.

Shelby Township

Emerald Engineered Decorative Solutions

EmeraldCorporation.com

In mold decorating, screen printing, pad printing, class A painting, laser etching, injection molding and electronic assembly.

Grand Rapids

EOS of North America

EOS.info

Focus on micro metal laser sintering of 3D or additive manufactured parts for a variety of industries including medical devices. Typical production volumes are between 10 and 1,000 units per year. Materials include: polyamides, polystyrenes, thermoplastic elastomers, and polyarletherketones, aluminum, cobalt chrome, nickel alloy, martensite-hardenable steel, stainless steel and titanium.



Novi

Excel Medical Products

ExcelMedicalProducts.com

Complex device and kit assembly, product packaging, tray and pouch sealing and bonding including ultra-violet, epoxy and solvent. Molding includes thermoplastic, injection, insert, over molding and liquid silicone injection molding. Contract manufacturing and validation services include design, tooling and sterilization validations - ethylene oxide and gamma radiation, shelf-life studies, sterilization program maintenance and packaging validations. Also includes a variety of testing and inspection services, product storage and warehousing, finished product distribution and order fulfillment.



Wixom

FANUC Robotics North America

FANUCRobotics.com

Reliable, intelligent robots, system integrators and automation for industries including aerospace, automotive, consumer goods, medical and pharmaceutical. Offers standard and collaborative robot models for pharmaceutical and medical device manufacturing. Also has a line of multi-axis CNC machines with robot interface that are designed for orthopedic, spinal, trauma and dental implant and surgical instrument manufacturing.



Rochester Hills

Ferndale Contract Manufacturing

FerndaleLabs.com

Manufactures creams, ointments, gels, lotions and liquids. Contract manufacturing expertise in creating custom recipes and mixes. Has multiple tube fillers, liquid filling lines and cartoning equipment for packaging compounds. Packaging capabilities include aluminum, plastic, and laminate tube filling, bottle filling, foil pouch packaging, single-use towelettes, child-proof packaging options and kit assembly. Additional services include artwork design for custom package labels, warehousing, shipping and regulatory affairs assistance to ensure GMP and other compliances.



Ferndale

Firstronic LLC

Firstronic.com

Turnkey electronic assembly, complex PCB assemblies, SMT, fine-pitch and mixed technology products, box builds, RoHS compliant, conformal coating, potting, soldering, functional testing, in-circuit and final systems testing.

Grand Rapids

Fluxtrol

Fluxtrol.com

Provides coatings, including Teflon coating which provides protection for controllers used in the food industry, clean rooms and medical applications. Coating thickness can vary from several microns to more than 20 microns depending on coating type and technology.



Auburn Hills

Frontier Medical Devices

FrontierMD.com

Machining, milling, Swiss turning, wire edm, prototypes, design and manufacturing assistance. Secondary processes include in-house electropolish, anodizing, passivation and packaging.

Marquette

Future Products Tool Corp.

Future-Products.com

Builds tooling to customer specification, CNC machining, metal stamping, forming (draw, hydro, flow, hot and cold), powder metal and fine blanking. Multi-axis machining, contouring, milling, grinding, wire and sinker EDM and turning.



Clawson

Globe Tech LLC

Globe-Tech.biz

Tooling design and construction up to 120 inches, gage and fixture design and build, die details and components. Fabrication includes laser cutting, water jet cutting, CNC machining, rapid prototyping, robotic and manual welding, MIG, spot and resistance, weld repair and quality analysis, press brakes and stamping. Has an SLA 3D printer in its metallurgical lab.

Plymouth

GoBioMed

GoBioMed.com

Company has partnered with next generation specialty surgical devices, wound care, infection control, orthopedic, anesthesia and other product manufacturers to provide products to medical institutions.



Waterford

Gonzalez Production Systems Inc.

Gonzalez-Group.com

Expertise in joining and fastening methodologies for aluminum welding, adhesives, magnesium to aluminum joining, remote laser welding, nut runners and self-piercing rivets. Also has a line of vision aided robotic guidance systems and a staffing division to assist companies in hiring.



Pontiac

Gresham Driving Aids

GreshamDrivingAids.com

Provider of mobility product including wheelchair vans, lifts, scooters and other adaptive equipment for vans and vehicles.



Wixom

Harding Energy

HardingEnergy.com

Manufactures custom battery cells, packs and chargers. Provides prototyping and custom plastics, packaging and kitting, validation testing, private label capabilities, injection molding, insert molding, overmolding, custom colors, multi-component assemblies and internal and external threads.

Norton Shores

Hart Enterprises Inc.

HartNeedles.com

Prototyping, design and turn-key products, metal fabrication, plastic fabrication and assembly, packaging and sterilization. Polishing, flaring, crimping, forming, knurling, bending, inspection, heat treating, brazing, electropolishing, passivation, piercing, deburring, welding and flattening. Insert molding, small part molding, insulating coatings, complete device assembly, cannula, individual packaging and sterilization and inspection.

Sparta

Hi-Tech Mold & Engineering Inc.

HiTechMold.com

Steel and aluminum additive manufacturing of components, DMLS, EDM, polishing, graining, coating, 3D plastic component and prototype feasibility studies. Also provides multi-axis machining and presses.



Rochester Hills

Hommel-Etamic America Corp.

Jenoptik.com

Integrated photonics group with a focus on optical systems, healthcare, automotive, traffic solutions, civil and defense systems. Medical division is focused on life science, laser, automotive and LED lighting applications. Product portfolio includes semiconductor chips, optoelectronics, laser technology, polymer optics, electronics and software. Examples are next generation DNA analysis, LASIK and blood glucose measurements.



Rochester Hills

Hoover Precision Products

HooverPrecisionPlastics.com

Provides plastic balls and medical beads for raw material. Also performs medical injection molding and clean room molding. Materials include acetal, acrylic, nylon, polyamide, polycarbonate, polyethylene, polypropylene, polystyrene and PTFE.

Sault Ste. Marie

Hy-Tech Spring

HyTechSpring.com

CNC production centers to custom manufacture precision parts. Swiss turning, milling, turning, grinding, wire EDM, honing, CMM, engraving, etching, textured designs, plasma and laser welding, ultrasonic cleaning, passivation, heat treating, fixtures and tooling, assembly and bar coding. Works with carbon and alloy steels, stainless steel, tool steels, cast iron and exotic materials as well as plastics and foams.

Plainwell

IEE Sensing Inc.

IEE.lu

Production, testing, sales, business development, finance and quality activities, with ISO/TS 16949 certification. Sensor technologies are also used in training and sports performance assessment and rehabilitation and preventive products which utilize technology developed for automotive applications. Products include a smart foot sensor that provides information on running technique and provides personalized training plans. This same sensor is used in orthotics, providing data on posture, plantar pressure and other data, particularly useful after lower limb procedures. Smart input sensors are thin, flexible and foil-based pressure sensing devices.



Auburn Hills

Industrial Woodworking Corp.

IndustrialWoodworking.com

Designs and manufactures furniture and components for hospitals and acute care facilities. Processes include thermoforming; finishing and painting, laminates, veneers, edgbanding and solid wood construction; assembly and packaging.

Zeeland

INOAC USA

INOACUSA.com

Reticulated and specialty polyurethane foams for medical needs. Open-pore foam allows fluid and gases to pass, allowing permeability as needed. Can also be produced for pressure wounds and negative pressure wound therapy.



Troy

Integrated Sensing Systems

MEMS-ISS.com

Wireless medical monitoring systems. Wireless portfolio includes sensors, is implantable, uses magnetic telemetry and a pressure transducer. Materials are selected to ensure biocompatibility and non-thrombogenicity. Devices can be used for long-term management of chronic diseases and short-term post-operative care. Has an FDA pre-market notification for its first drug delivery product being developed for commercialization.

Ypsilanti

J & B Medical Supply

JandBMedical.com

Medical distribution company focusing on a variety of medical and surgical products, emergency medical equipment, retail home medical supplies, breast pumps and veterinary products.



Wixom

J. Sterling Industries

SterlingIndustries.com

Manufacturing capabilities include machining, milling and turning, injection molding, forming, casting, heat treating, coating and finishing — including anodizing, chrome plating, powder coating, bead blasting, polishing — some sub-assembly and engineering support.

Kalamazoo

Kent Manufacturing

Kent-Mfg.com

Portfolio of bonding and fastening solutions includes a full range of 3M tapes, fasteners and films for manufacturers of durable medical equipment including assembly of metal, rubber, glass and low surface energy plastics. Also carries products designed for disposable medical devices such as diagnostic test strips and reclosable devices. Can also produce a variety of stick-to-skin products for patient care such as electrodes, nonwoven tapes for extended wear, hydrocolloid adhesive tapes and foam tapes.

Grand Rapids

Keystone Product Development

Keystone-PD.com

Contract medical device manufacturing of disposable and durable medical goods. Class I and Class II disposable products to complex durable medical equipment and electro-mechanical assemblies. Cleanroom assembly, kitting, packaging, sterility management and fulfillment.

Kalamazoo

Kremin

KreminInc.com

Specializes in precision turning, milling and grinding. Swiss turning, surface, ID, OD grinding, jig grinding, honing, laser marking, sonic cleaning, passivation and epoxy application.

Frankenmuth

LMS (an Aptar Company)

LMSValves.com

Specializes in liquid silicone injection molding (LIM) and thermoplastic assembly. SLA, machining, molding, multi-piece assembly. Medical device products include valve and seal assemblies for a variety of applications including ports, cannulas, endoscopic devices, surgical valves, vent valves and one-way check valves.

Midland

M.A.K.S.

MAKSInc.net

Engineering-intensive circuit board layout and assembly up to 64 layers. Through-hole and surface mount. Box build, wiring. Manufacturing capabilities: screen printer/solder paste machines, pick and place machines, reflow ovens, nitrogen capable for lead free solder, selective soldering machines, aqueous batch washer/clean and no-clean boards, automated optical inspection and x-ray inspection system. Past applications include hotel door locks, auto diagnostics, medical devices and electronic game pieces.



Troy

Mar-Med, Co.

MarMedCo.com

FDA registered medical device manufacturing site certified to ISO 13485. Designs and distributes novel, disposable devices for emergency medicine and orthopedic surgery. Products include various tourniquets for digits (i.e., fingers and toes). Its derma-stent product is undergoing clinical trials at Wayne State University to measure outcomes in comparison to packing gauze.

Grand Rapids

Marposs Corp.

Marposs.com

Produces measuring and metrology equipment, including its Orthoflex product, a machine using vision sensing technology to evaluate the quality, dimension, aesthetic and overall matching specifications of various orthopedic devices. Beyond prosthetic testing, also provides leak testing and gauging equipment for biomedical applications.



Auburn Hills

Materialise

Materialise.com

Stereolithography, laser sintering, FDM, DMLS, SLM, HP Multi Jet Fusion, colorjet, PolyJet, vacuum casting and investment casting. Products include patient specific implants and patient specific guides. Also offers software solutions. Materials include: aluminum, titanium, stainless steel, PA 12, alumide, polyamides, with glass, flame retardant, polyurethane, PP, ProtoGen White, ABS and a variety of composite materials.

Plymouth

MC3 Corp.

MC3Corp.com

Produces medical devices addressing acute cardiopulmonary clinical needs. Examples include diffusion tip arterial cannula, which is now distributed by Medtronic.

Dexter

MedBIO

MedBioInc.com

Detail design mold, mold building, micro tooling, two shot tooling, prototype tooling, CNC, EDM, engraving, laser welding, diamond polishing, mold flow analysis and scientific mold tryout. Injection molding, hybrid-hydraulic electric injection molding machines and cleanroom molding. Works with a large variety of resins and materials including ABS, LDPE, PE, PC-ABS, PET, PC, PP, HDPE, PPS, TPU, PVC, PEEK and TPE. Clean room assembly includes laser welding, ultrasonic welding, gluing, UV cure adhesives, solvent bonding, pad printing, hot stamping and custom assemblies.

Grand Rapids

Medimage

MedImage.com

Products include a suite of display, communication and image data translation software with direct integration to Corridor4DM and NeuroQ specialty software packages. Software works for nuclear medicine, PET and CT imaging, cardiac and brain analyses.

Ann Arbor

Medi-Nuclear Corp

MediNuc.com

Services cardiology departments, nuclear medicine, PET, hot labs and diagnostic imaging centers with JIT inventory. Product lines include nuclear medicine, equipment, general imaging and cardiology supplies like electrodes, EKG cables and IV infusion supplies.

Caledonia

Michigan Instruments

MichiganInstruments.com

Materials: aluminum, steel, and plastic machining and turning. Precision machining, grinding and honing, de-burring, tumbling and finishing, engineering, assembly and test, complete traceability and document control. Class III medical device facility.

Grand Rapids

Michigan Metals & Manufacturing, Inc.

MichMM.com

Provides rare earth and refractory metals in varying purities as raw material or as manufactured items. Its products include custom alloys, specialty powders, wire, foil, tubes and rods, evaporation shapes, sputtering targets, brazing materials, plates and sheets, single crystals and stable isotopes.



West Bloomfield

Micro Machine Company

MicroMachineCo.com

Manufactures machining for complete knee instrument systems, complex assemblies, measuring devices, broach handles, impactors/extractors, saw guides, ankle implants, small toe implants, elbow implants, spinal implants and trials made from titanium, cobalt chrome, stainless steel and PEEK. Also manufactures raps, t-handled instruments, complex retractors and small spinal trays. Latest products include scope components and external fixation devices to aid in trauma injuries.

Kalamazoo

Miller Technical Services, Inc.

MTSMedicalMfg.com

Manufacturing experience includes mobility systems, imaging, laboratory testing, ophthalmic devices, dental instruments, orthopedics, sterile products, surgical instruments, cardio-vascular devices and SPD equipment. Supply chain management capabilities can provide solutions for electronics, machining, casting, forging, injection molding, material finishes and fabrications.

Plymouth

Myco Industries

MycoIndustries.com

Provides software and other IT Solutions for health care. Cloud based SaaS solution helps providers and patients work together. Distributes a variety of surgical instruments and ultrasonic wound debridement equipment in Michigan, Ohio, Indiana and Kentucky.



Milford

NoIR Medical Technologies

Noir-Medical.com

Manufactures international-certified LaserShield laser safety eyewear for medical, military, aviation, scientific and industrial applications. Produces filters for alignment, forensics, UV/Blue light curing, photodynamic therapy, enhancement and telecommunications. Sun filters work for the partially sighted, post-operative cataract patient and recreationalists, with over 50 different lenses of various colors and transmission characteristics.



South Lyon

Northwest Tool & Machine Inc.

NWTool.biz

Specializes in job shop work such as precision I.D., O.D., flat and jig grinding; Wire EDM; CNC milling and turning; large and small detail work; boring mill work; laser engraving; design and build and build to print jobs; work-holding fixtures, gages, and small special machines; automation; prototype to production tooling and general machine and repair work. Company maintains a registered toolmaker apprenticeship program.

Jackson

NYPRO, A Jabil Company

Jabil.com

Specializes in rapid prototyping, digital prototyping, validation and testing, accelerated product introduction, decoration and in-mold labeling and sustainable packaging. Products include fluidics, pneumatics and hydraulics, micro-fluidics, mechanical design and build to order. Serves the healthcare, analytical instruments and automotive industries.



Auburn Hills

Odyssey Electronics Inc.

Odyssey-OEI.com

SMT, THT, wave and selective solder, testing, automated optical inspection, conformal coating, potting, box build, screen printing, x-ray inspection, axial insertion/sequencing, repair and modifications of existing PCBs, wire harnesses, and connectors. Materials include FR materials, flex, rigid flex, CEM materials and aluminum.

Livonia

Oerlikon Balzers

Oerlikon.com/Balzers

Its medical coating series for tools and components from dental instruments, dental screws to bone saws, drills and reamers and medical instruments with antimicrobial properties.



Wixom

Oliver Healthcare Packaging

OliverHCP.com

Producer of sterilizable, cost-effective, protective packaging for medical device, pharmaceutical and biologic companies. Products include porous substrates for EtO and steam sterilization and film and foil laminations for radiation sterilization, with high performance, UV, moisture and/or oxygen barrier properties.

Grand Rapids

Omega Plastics

OPinc.com

Prototypes on average in 2-3 weeks and production molds in 3-6 weeks. Tooling can be prototype, bridge, production or transfer tooling manufactured from aluminum, steel and stainless. Can include bases, insert or freestanding, multi-axis CNC machining, sinker and wire EDM, mold surface finish and texturing, cold runner and hot manifold as needed. Plastic injection molding includes insert and over molding, high temperature resins, including PEEK, PEI, PPSU and more. Class 8 clean room for production molding and assemblies and packaging. Additional services include pad printing, EMI/RFI shielding, painting, machining, annealing, metal cutting, punching and forming, sonic insertion, ultrasonic welding, adhesive and solvent bonding and application of gaskets, labels and/or protective films.

Clinton Township

Omega Surgical Instruments

OmegaSurgical.com

Manufactures saw blades, twist drills, burrs, instruments, of stainless steels and carbides. Over 750 products, some proprietary, others replacement parts for other manufacturers' products.

Grand Blanc

Omni Medical Supply Inc.

OmniMedicalSupply.com

Online distributor of medical products used in clinic and at home. Product lines include equipment like monitors and kits for cardiology, endoscopy, podiatry, oncology, general medical and home health care products.



Walled Lake

OPS Solutions

LightGuideSys.com

Products are augmented reality tools designed to create a digital operating 'canvas' directly onto virtually any work surface with audio and visual prompts, guidance, pacing and direction. Medical applications include medical device manufacturing and packaging, inspection and component verification and instrument cleaning and sterilization assistance.



Wixom

Orchid MACDEE

Orchid-Ortho.com/Chelsea

Plastic injection molding, custom packaging and labeling. Medical grade plastic materials include PEEK, Torlon, PMMA, PPS and PSU. Experience with machining of surgical instruments and implants, Swiss style and conventional turning, milling, grinding, EDM machines, laser machining and laser welding, color coding, diamond coating, gundrilling and micro deburring.

Chelsea

Orchid Orthopedic

Orchid-Ortho.com

Forging of exotic alloys: titanium, cobalt-chromium-molybdenum, stainless steel and zirconium. Concept, design and prototyping solutions. Machining capabilities for hard-die manufacturing and machining of implants. Products include acetabular cups, femoral hip stems, femoral knee components, tibial base components, trauma and fusion plates, extremity parts and forged blanks.

Holt

Orchid Orthopedic

Orchid-Ortho.com/Farmington-Hills

Custom coatings and surface treatments for implants. Coatings for titanium, cobalt-chromium, stainless steel, PEEK, UHMPWE, RBM and other custom coatings. Additional capabilities include passivation, clean and sterile packaging in a ISO Class 7 cleanroom.



Farmington Hills

Orchid Unique (Bridgeport)

Orchid-Ortho.com/Bridgeport

CNC Machining, Swiss machining, turning, milling, grinding, EDM machines, laser machining, laser welding, color coding, diamond coating, gundrilling, micro deburring, finishing, chrome coating and electropolish. Materials include: implant-grade UHMWPE, high temperature resistant engineering plastics, thermoplastic resins and biodegradable polymers.

Bridgeport

Oscos Inc.

Oscosystems.com

Offers both stock and custom engineered machines including runnerless molding systems and replacement parts, specialty nozzles, valves and filters for injection molding.



Rochester Hills

Oxus America

OxusAmerica.com

Designer and manufacturer of portable oxygen concentrators (POCs) . Also provides contract engineering and manufacturing to medical equipment companies, particularly for POC and other gas separation and respiratory equipment.



Auburn Hills

PGK Services

PGKServices.net

Offers engineering design services and staffing assistance to a variety of industries including the medical market. Services include contract, project based, short and long term assignments and direct placement services.



Troy

Pinnacle Technology Group

PinnacleTec.com

Serves the medical training market with a variety of training manikins for blood pressure, auscultation (lung sounds), cardiac and airway management and AED situational training. Also offers electronic manufacturing services.

Ottawa Lake

Pointe Scientific

PointeScientific.com

Clinical chemistry includes analyzers, diagnostic reagents, enzyme immunoassays (EIA), calibrators, quality control, instrument specific reagents and consumables. Provides contract manufacturing and private labeling for OEM-specific chemistries.

Canton

Precision Edge Surgical Product

PrecisionEdge.com

CNC machining centers, multi-axis machining, CNC grinders, lathes, gundrilling, Wire EDM, laser etching, laser cutting, welding (laser, MIG, TIG, and silver soldering), blasting, electropolish and passivation. Other capabilities include packaging, label design, bar coding and vendor managed inventory.

Boyer City

Prezio Health

PrezioHealth.com

Perioperative services include surgical instrument repair and maintenance, endoscopic equipment repair and maintenance, optimization, asset management, surgical instrument marking and training for CBSPD - Certification Board for Sterile Processing and Distribution certification.



Novi

Product & Tooling Technologies

PTTech.us

Plastics services include injection molding, blow molding, acoustic molds (foam in place, compression, waterjet), RIM Molds, vacuum forming, cold pour tooling (urethane components), and layups (carbon fiber and fiberglass). CNC machining and milling includes multi-axis machining, drilling and boring and gundrills. Stamping capabilities include die design, prototype parts, full assemblies and fabrication, fixture and assembly fixtures and welding — including spot, MIG, TIG and spin — grinding and polishing, cutting and drilling and class A surfaces.

Fraser

Pros-Tech Inc

Pros-Tech.com

Creates customized braces, orthotics and prosthetics. Orthotics are for upper extremities, cervical or spinal support, hips, knees, ankles and feet. Prosthetics are primarily for trans-tibial, trans-femoral, hip, fingers, trans-radial, trans-humeral and shoulder disarticulations. Upper extremity prosthetics sometimes include passive, mechanical, electronic or combination limbs. Materials include silicone, titanium, aluminum, stainless steel and carbon composite.



Protomatic Medical

ProtomaticMedical.com

Offers CNC precision machining, multi-axis machining, milling, turning, lathes, ovens, presses, laser engraving, testing and quality inspection. Products include surgical tools, lab testing equipment, optical tools, cardiovascular and orthopedic devices, as well as components for the optical and dental market. Materials include aluminum, steel, plastic, rubber, ceramics, titanium, refractory metals and superalloys.

Dexter

PTI Engineered Plastics

TeamPTI.com

Materials include aluminum, mild steel, hardened steels, stainless and copper beryllium to make prototypes, low volume, hybrid and production tooling. Can also manufacture mold bases. Mold design includes Direct Metal Laser Sintering, an additive manufacturing component which helps in creating hollow core inserts. Injection molding includes insert and over molding, high temperature molding, scientific molding and cleanroom molding. Secondary operations include ultrasonic welding, staking, spot welding and swaging, spin welding, vibration welding, thermal processing for plastic joining, laser marking, pad printing and applique assembly, EMI and RFI shielding, hydrographics, paint and plating.

Macomb

Robinson Industries

RobinsonInd.com

In-house capabilities for packaging processes include thermoforming, injection molding, vacuumforming and structural foam.

Coleman

Rockwell Medical

RockwellMed.com

Biopharmaceutical company targeting end-stage renal disease (ESRD) and chronic kidney disease (CKD) with innovative products and drug therapies for the treatment of iron replacement, secondary hyperparathyroidism and hemodialysis in the U.S. and throughout the world. Products include drug therapies and hemodialysis concentrates for dialysis. Its iron drug, Triferic, is the only FDA approved iron drug used to infuse the bloodstream after dialysis treatment. Approval was received in 2015 and launched for commercial sales in September of that year.



Wixom

Rose Medical

RoseMedical.com

Specializes in catheters, cannulae, tip forming, wire-reinforced silicone tubing and shafts, medical balloons, RCSP devices and full assembly.

Grand Rapids

Royal Oak Medical Devices

RoyalOakMed.com

Implants are U.S. made, FDA 510K cleared and 2D etched for tracking. Products include implantable pedicle screws, rods, cross connectors, cages and surgical instrumentation for spinal fusion both cervical and lumbar. Customer service includes inventory management options for hospitals.



Rochester Hills

RTI Surgical

RTI.com

Manufacturer of metal and synthetic implants made from a variety of materials including PEEK. Michigan is known for spinal implants for use in spinal surgery, particularly cervical and thoracolumbar fusion procedures.

Marquette

Safari Technologies

SafariCircuits.com

Engineering, assembly, testing, PCBs, surface mount technology (SMT), through-hole technology (THT), BGA and micro-BGA, wave soldering and supply chain management.

Otsego

Safe N Simple

SNS-Medical.com

Wide variety of medical products for the ostomy and wound care markets. Products promote healthy skin and healing wound care management.



Clarkston

Saint Gobain Performance Plastics

Medical.Saint-Gobain.com

Materials include silicone, thermoplastics and fluoropolymers. Process include compression/transfer molding, insert/over molding, two-shot thermoplastics, silicon micro molding, Liquid Silicone Rubber (LSR) and High Consistency Rubber (HCR) for molds. Medical extrusions include tubing, coextrusions, profiles, multi-lumen, radiopaque, paratubing, tapes, silicone corrugated tubing and a variety of secondary operations like punching, striping, printing, silk screening, winding tubing and/or tapes to spools/reels, cut to length.

Beaverton

Saline Lectronics Inc.

Lectronics.net

Electronic manufacturing includes multi-layer PCB assembly, surface mount technology, soldering, conformal coating, encapsulated electronics-grade potting, wire bonding, electro-mechanical box build and testing and inspection. Factory is connected (i.e., Industry 4.0). Electronic contract manufacturing, to the commercial medical, aerospace and telematics industries.

Saline

Setco Sales Co.

Setco.com

Designs, manufactures and services high performance spindles, slides and milling heads. Includes new and rebuilt belt-driven, geared, motorized, high speed and high frequency models.



Novi

SharperTek

SharperTek.com

Custom machine builder of ultrasonic cleaning equipment. Medical products include ultrasonic cleaners for medical devices, dental equipment, tubes and cannulated surgical instruments.



Pontiac

Skytron LLC

Skytron.us

Products include surgical lights, tables, booms, RFID for asset tracking, steam sterilizers and incorporates video integration as applicable.

Grand Rapids

SMC Corporation of America

SMCUsa.com

Products for life sciences includes electric actuators, pneumatic actuators, chemical and fluid process valves, directional control valves, high purity fluoropolymer tubing, fittings and valves, temperature controls and liquid dispense pumps used in cleanrooms.



Rochester Hills

SOTA Technologies

Sota-Tec.com

Metalforming services include progressive stampings, transfer stamping, deep drawn, prototype, roll forming, resistance welding, assembly engineering support, die design, JIT delivery and logistics.



Oxford

Stanco Metal Products

StancoMetal.com

Assembly and welding, tapping, powder coat paint system, gas-fired curing oven, finishing and packaging.

Grand Haven

Stryker Corp.

StrykerCorp.com

Twenty business units from communications and navigation to craniomaxillofacial, endoscopy and orthobiology with surgical, spine, trauma and extremity and EMS equipment.

Portage

SunMed

Sun-Med.com

Design, development and manufacturing, automated and manual assembly, sterile packaging, extrusion, injection molding, blow molding, compression molding, welding and printing.

Walker

Surge Cardiovascular

SurgeCardiovascular.com

Innovative product development for cardiac care professionals. Designs, develops, manufactures and markets open heart surgical products. Portfolio includes perfusion sets, retrograde cardioplegia cannulae, antegrade cardioplegia cannulae, cardiac suckers, vessel cannulae and cardiovascular surgery accessories like tourniquets, insulation pads, retraction clips, suction safety devices, suture guides, myocardial temperature probes and tubing organizers.

Grand Rapids

Surgitel

Surgitel.com

Optical components and optical imaging equipment for dental and medical professionals. LED lighting.

Ann Arbor

TD Industrial Coverings Inc.

TDIC.com

Class 100 Clean Room for packaging final products which are fabric covers for robotic arms and masking for paint facilities.

Sterling Heights

Tech Group Grand Rapids

WestPharma.com

Company designs and produces integrated containment and delivery systems for injectable medicines. As a contract manufacturer, can assist from product conceptualization to manufacturing and final packaging. Precision injection molding includes molding, multi-shot, insert, Liquid Silicone Rubber molding and optical. Short to medium production runs, class 7 and class 8 clean room assembly and secondary operations, tool building and repair capabilities. FDA registered.

Grand Rapids

Tecomet

Tecomet.com

Machining of implants includes CNC machining, multi-axis machining, grinding, milling, polishing, passivation, turning, laser marking, ultrasonic cleaning, FDM and DMLS. Materials include: stainless steel, titanium and plastic. Lansing facility focuses on aerospace, defense and implants.

Lansing

Tekna

TeknaTeam.com

Can do everything from research, strategy and market assessments, to product design, engineering, branding, manufacturability, prototypes, pilot runs, production, sub-assemblies, low to medium volumes, supplier qualifications, logistics, warehousing and distribution. Has outside partners for extrusion, casting, machining, forming and material finishes.

Kalamazoo

Tel-X Corporation

TelXCorp.com

Sheet metal and machined prototype manufacturing, CNC machining, laser cutting, TIG, MIG, spot welding and stamping. Materials include copper, aluminum, brass, stainless, high-strength and low carbon steel, nylon, paper (gasket material) and galvanized steel.

Garden City

Terumo Cardiovascular Group

Terumo-CVS.com

Medical devices for cardiac and vascular surgery, including a full line of perfusion products. On-site molding, hollow fiber, oxygenators and miniaturized perfusion circuits.

Ann Arbor

Thielenhaus Microfinish

Thielenhaus.us

Microfinish machines, machine-tools and attachments for high-precision finishing for a variety of components and surface types. Machinery can optimize ceramic and metallic surfaces making it ideal for shaping medical devices and implants such as the endoprosthesis hip and shoulder joints, reducing wear and increasing the weight capacity of the joint replacement.



Novi

Thyssenkrupp

Tkmna.com

Raw materials include aluminum, brass, bronze, copper, custom steel profiles, nickel, plastics, stainless steel, tool steel and titanium. Engineered plastics. Meet FDA criteria for reducing sensitization and cytotoxicity concerns. Materials are used in prosthetics and orthotics. Medical technologies products are bar coded, have complete lot, batch and material traceability and include medical grade plastics, metals and biopharma products.



Auburn Hills

TPC Sales LLC

TPCsales.com

Maker of molded rubber and plastic components and utilizes sonic welding, screen printing, heat staking, centerless grinding, assembly, injection molding, transfer and compression molding and injection over molding for part manufacturing. Materials include thermoplastics, acetals, polycarbonates, TPEs including nitriles, FKMs and flexible PVC, and ECO, fluorosilicones, EPDM and other specialty materials. Machined components division has screw machines, CNC machining including turning, grinding and milling, boring, drilling, deburring, knurling, reaming, polishing and threading. Works with a variety of alloys, steels, aluminum, brass, titanium, copper and stainless steel.



Auburn Hills

Trelleborg Sealing Solutions

TSS.Trelleborg.com

Dip molding and coating. Primary material is silicone. Contract manufacturing for health and medical device market in Elk Rapids, which carries ISO 13485 certification.



Bloomfield Hills

Tri-Pac Inc.

Tri-Pac.us

Advance contract manufacturing division provides an array of chemical products including aerosols, liquids, bovs and piston aerosol. Product portfolio includes personal care and OTC items such as FDA hand sanitizer, FDA pain relief sprays and FDA wart freezes. R & D labs are able to create products to customer specifications and conduct in-house formulations to develop new products.

Vandalia

TruLife

TruLife.com

Materials include silicones, elastomers, foams, titanium, aluminum, stainless steel, acetal, resins, polyethylene, carbon fiber, fiberglass and other composites.

Jackson

Trutron Corp.

Trutron.com

Precision machining includes CNC turning, CNC machining, high speed machining, Sinker EDM, Wire EDM, jig, I.D., O.D. and surface grinding, ultrasonic cleaner, inspection equipment, and a 3-D FDM printer for ABS builds.



Troy

TSM Corp.

TSMcorp.com

Precision machine components, flexible machining centers, assembly and test. Materials include aluminum die castings, extrusions, permanent mold castings, sand castings, ductile iron and gray iron castings, stainless steel investment castings, steel forgings. Secondary services include painting, e-coating, heat treating and plating.



Auburn Hills

UFP Technologies

UFPT.com

Design capabilities include component, packaging or product. Expertise working with foams, plastics, molded fiber, fabrics, films and other specialty materials. Foam fabrication includes routing, water jet cutting, saw cutting, compression molding, laminating, die cutting, heat sealing, laser etching and pad printing. Thermoforming is used to create custom packaging including clamshells, blisters and trays. Materials include ABS, APET, PETE, PETG, Polycarbonate, Polyethylene, Polypropylene, Polystyrene, XLPE, and TPU. Cleanroom manufacturing includes thermoforming, compression molding, rotary presses, die cut and packaging of medical device components. In-house tooling shop includes cutting dies and cutting tools.

Kentwood

Vaupell Midwest Molding and Tooling

Vaupell.com

3-D printing via SLA, SLS, DMLS, FDM and PolyJet. Also does resin casting, metal casting and investment, plaster mold casting. Sand casting, injection molds and molding. Injection molding capabilities include structural foam molding, insert molding, over-molding, in-mold decorating (IMD) and gas-assist molding. Can do metal to plastic (M2P) conversions and CNC machining with multi-axis machines and EDM. Focuses on injection molds and production tooling builds for all locations. Materials include Acetals, Nylons, polysulfones, PEEK, PEKK, Ryton® and bioabsorbable materials.

Constantine

Ventura Manufacturing

VenturaMfg.com

Manufacturer of automotive, furniture and moldable silicone components.

Zeeland

Wolverine Assemblies LLC

Wolverine-LLC.com

Provides value-added warehouse services for a variety of industries including healthcare organizations. Services include real time visibility with track and trace capabilities, real time information and shipment status, on-time delivery and consistency and reducing variability.



Troy

Wolverine Orthotics

WolverineOrthotics.com

Custom orthotic manufacturing. Casting is done for extremity, then fabrication for brace and frames.



Novi

Xcentric Mold & Engineering

XcentricMold.com

Insert molding, overmolding, multi-component assemblies, internal and external threads, custom colors, CNC machining and multi-axis machines. Works with metal or plastic, threads and holes. Offers a variety of finishes including anodizing, chrome plating. Builds molds for injection molding using proprietary process that shortens lead times from weeks to days, SLS, SLA, FDM and cast urethane. Materials include: aluminum, stainless steel, common steel, brass, titanium, variety of colored ABS, HDPE, LDPE, nylon, PC, PEEK, Acetal with polymers, PEI, PMMA clear acrylic, PP, PPSU, PS, PTFE and PVC.

Clinton Township

Medical Main Street Board

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Beaumont Health

John Fox, *President/CEO*

Beckman Coulter Molecular Diagnostics

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Jacqlyn Smith & Adam Michaud
Project Managers

Detroit Regional Chamber of Commerce

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Customer Initiatives*

Doeren Mayhew & Co. PC

Sandy Kowalski, *Business Development
Coordinator*

Dpro Healthcare

Jason Verburgghe, *Principal Partner &
Chief Healthcare Strategy*

E.M.M.A. International Consulting Group

Carmine Jabri & Ms. Kira Jabri
President/CEO & Vice-President/COO

Euro-Peds Foundation

Michelle Haney, PT, MSPT
Director

Ghafari Associates & MI4 Spine

Phil L'Esperance, *Business Development
/ Consultant*

Jems Technology

Kevin Lasser, *Chief Executive Officer*

Medical Device Communications, Advocacy & Partnerships

Susie Vestevich, Esq., *Brand
Development, Health Policy Affairs*

Michigan Economic Development Corporation - MLSIC

Fred Molnar, *Vice President,
Entrepreneurship & Innovation*

Oakland County Department of Health and Human Services

Kathy Forzley, *Director*

Oakland University

David A. Stone, Ph.D.
*Chief Research Officer, Professor,
Department of Philosophy*

Oakland University, William Beaumont School Of Medicine

Rick Kelley, *Senior Director of
Development*

OU INC

Stephen Kent, *Finance and
Operations Manager*

Oxus, Inc.

Tim Hatt, *Director of Home Medical
Equipment & Legislative Affairs*

Sri International

Gloria Chou, *Director of
Clinical Operations*

United States Patent & Trademark Office

Dr. Christal Sheppard, *Director*

University Of Michigan – Dearborn College Of Education Health & Human Services

Janine Janosky, Ph.D., *Dean
Professor, Department of Health and
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Versicor

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October, 2017