







INDUSTRIAL SOLUTIONS

INNOVATION AND PRECISION





Our clients































































































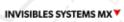














































Your need is our inspiration

Since our founding on August 14, 2014, at Solid Manufacturing, we have established ourselves as a company with more than 30 specialists committed to excellence in every process.

We stay at the forefront through constant training, ensuring mastery of new technologies, machinery, and tools. This allows us to offer high-quality products and services, guaranteeing customer satisfaction.



DUNS Number: 81-282-8092



Environmental policy

At Solid Manufacturing, we are committed to sustainable development by adopting responsible practices to prevent pollution and optimize resources in our industrial processes.

We incorporate recyclable tools in manufacturing and automation, promoting a culture of environmental responsibility among our collaborators. Additionally, we encourage environmental education inside and outside the company, driving concrete actions to reduce our environmental impact.

Mission

To meet our clients' needs with customized, innovative, and efficient solutions for the industry.

Vision

To establish ourselves as a leading company in Mexico, driving continuous growth and expanding our presence in the international market.



Welding electrodes

At Solid Manufacturing, we offer a wide range of high-quality and precision welding electrodes designed to meet the highest standards across various welding processes. Each electrode is carefully crafted from selected materials to ensure superior performance, delivering consistent and long-lasting results.

Materials used:

- Tungsten
- Molybdenum
- Class II and III Copper
- Lanthanum
- Elkonite
- Ceramic



Services:

Replicas

New designs

FH-ELEO1 Hook electrode copper C2 100% tungsten



FH-ELEO2 Hook electrode copper C2 100% tungsten



FH-ELEO3 Pusher electrode copper C2 100% tungsten



FH-ELE04 Vertical electrode copper C2 100% tungsten



FH-ELEO5 Cylindrical electrode copper C2 100% tungsten



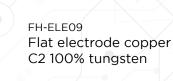
FH-ELE06 Cylindrical electrode copper Cylindrical electrode copper C2 100% tungsten



FH-ELEO7 C2 100% tungsten



FH-ELE08 Cylindrical electrode copper C2 100% tungsten





FH-ELE10 Cylindrical electrode for rivet copper C2 100% tungsten



FH-ELE11 Cylindrical electrode for rivet copper C2 100% tungsten



FH-ELE12 Cylindrical electrode for rivet copper C2 100% tungsten





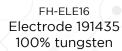
FH-ELE13
Cylindrical electrode
for rivet copper C2
100% tungsten



FH-ELE15 Cylindrical electrode for rivet copper C2



FH-ELE17 Electrode 98% tungsten 2% lanthanum





FH-ELE18 Elkonite electrode 100%



FH-ELE19 Electrode for welding terminal Elkonite copper C2



FH-ELE20 Copper C2 electrode for welding terminal tungsten/WLA



FH-ELE32 100% tungsten electrode



FH-ELE21 External welded electrode



FH-ELE22 Copper C2 electrode for EDM machine



FH-ELE23 Graphite electrode for EDM machine



FH-ELE28 100% tungsten electrode



FH-ELE25 Ceramic for welding



FH-ELE26 Ceramic for welding



FH-ELE27 Ceramic for welding



FH-ELE29 100% tungsten electrode



FH-ELE30 100% tungsten electrode



FH-ELE31 Linear 100% tungsten electrode

Inserts and cavities for plastic injection molds

We offer a specialized line of inserts and cavities for plastic injection molds, manufactured with high-quality materials such as:

Materials used:

- P20
- Beryllium copper
- S7
- H13
- Stainless steel
- And others



FH-INS01 Slider insert Material S7



FH-INS02 Slider insert Material S7



FH-INS03 Onix insert movable side Material S7



FH-INS04 Comb insert H13 Material S7



Pallet insert fixed side Material H13



FH-INS06
Onix insert fixed side
Material H13



FH-INS07 Comb insert Material H13





FH-INS09 Mold insert Material H13



FH-INS10 Mold insert Material H13



FH-INS11 Mold insert Material H13



FH-INS12 Mold insert - Medical product Material H13



FH-INS13 Pin with figure Material H13



FH-INS14 Core pin Material H13



FH-INS15 Sub insert Material Inox 420



FH-INS16 Sub insert Material H13



FH-INS17 Additional cavity insert for medical product Inox 420



FH-INS18 Core insert Material S7



FH-INS19 Core insert core bullet Beryllium



FH-INS20 Core insert Beryllium copper



FH-INS21 Central insert Beryllium copper



FH-INS22 Channel Beryllium copper



High-precision tooling

At Solid Manufacturing, we provide a wide range of high-precision tooling solutions designed to ensure superior performance and reliability for your industrial operations.

Our tools help reduce downtime and maximize productivity.

We work with a selection of high-strength materials, including:

- Carbide
- CPM10
- D2
- A2
- M2
- A11
- M4
- Stainless steel



FH-HER01 Cutting stem .280 carbide



FH-HER02 Cutting stem .250 carbide



FH-HER04 Cutting stem .135 carbide



FH-HER05 Pin distributor



FH-HER06 Spring winder .085 Material carbide



FH-HER07 Anvil for rivets Material A2



FH-HER08 Anvil for rivets Material A2



FH-HER09 Anvil for rivets Material A2



FH-HER10 Short finger for Grommet expansion Material 4140



FH-HER11 Core CT1520 Material A2



FH-HER12 Long finger for Grommet expansion Material 4140



FH-HER13 Dado 5 para conexión de estaciones 30 A2 Material 4140



FH-HER14 Die 2 for station 20 A2 Material 4140



FH-HER15 Die for pressure sensor A2 Material 4140



FH-HER16
Dies for station connections A2
Material Delrin and aluminum

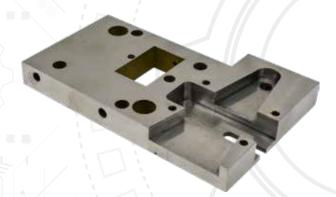


Custom fixtures

We design custom industrial fixtures to optimize manufacturing and assembly processes, ensuring precision, stability, and repeatability. Made from high-quality materials, they offer reliable support, high durability, and adaptability to demanding conditions, improving productivity and reducing operation times.

Materials used:

- A2
- D2
- Aluminum
- And more



FH-FIX01 Insertion kit Material A2



FH-FIX03
Pull test for Schleuniger tensometer
Material 4140



FH-FIX02 Pull test for Schleuniger tensometer Material A2



FH-FIX04 Terminal cutting die Material D2





FH-FIX05 VW alignment fixture Material: aluminum



FH-FIX06 Dowel pin distributor Material: M2



FH-FIX07 Surface mount cup disc Material: D2



FH-FIX08 Clip assembly tool Material: aluminum



FH-FIX09 PCB assembly fixture Material: aluminum



FH-FIX10 Manifold holding fixture Material: Aluminum A2



Extraction hood Material: aluminum



FH-FIX12 Welding nest for station 030 Material: aluminum



FH-FIX13 Proxi fixture Material: Aluminum A2



FH-FIX14 Clip retention fixture Material: aluminum



High-precision stamping

Our company manufactures advanced high-precision stamping solutions, including holders, dies, punches, die sets, and complete molds. We work with high-quality materials that ensure superior wear resistance and long service life.

Materials used:

- Carbide
- M4
- M2
- D2
- CPM 10V



FH-TRO01 Carbide die



FH-TRO02 D2 holder



FH-TRO03 M2 holder



FH-TRO04 M2 die



FH-TRO05 Die Material: A2



FH-TRO06 Die Material: M2





FH-TRO07 Die and punch Material: M2



FH-TRO08 Die holder Material: A2



FH-TRO09 Former Material: A2



FH-TRO11 Clamping tool Material: A2



FH-TRO12 Punch and holder Material: A2 D2



FH-TRO15 Crimping tool Material: M2



FH-TRO13 Punch Material: A2



FH-TRO14 Carbide die



FH-TRO17 Circular punch Material: M2



FH-TRO18 Die Material: M2

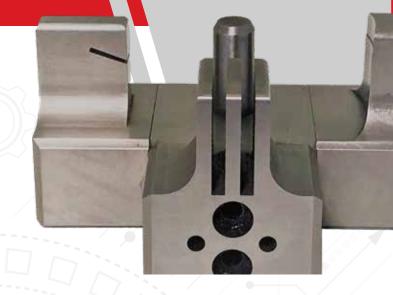


FH-TRO20 Carbide die punh



High-precision gauges

Our gauge design and manufacturing service is focused on ensuring accurate and consistent measurements for the industry's most demanding processes. We design custom tools using high-quality materials to guarantee durability and superior performance. Whether for quality control or production verification, our gauges provide precision and reliability in every detail.







FH-GAG01 Rotor handling Material: A2



FH-GAG02 Micro bottom Material: A2



FH-GAG03 Gauges knock sensor VW Material: A2



High-precision dies for industrial applications

We design and manufacture high-precision dies for various industrial applications, ensuring strength, accuracy, and superior performance under demanding conditions. Our custom solutions optimize efficiency and quality in every project, meeting the highest standards of durability and performance.

Materials Used:

- Carbide
- M4
- M2
- D2
- CPM 10V



FH-DFE01 Aluminum extrusion mold



FH-DFE02 Stainless steel extrusion mold



FH-DFE03 Blades and die set for die-cast parts



FH-DFE04 Cavity and core for die-cast



Custom injection molds

We provide tailored solutions to meet each client's needs, optimizing production processes and ensuring excellent results in various industrial applications. Our molds guarantee high precision, efficiency, and durability in the production of superior-quality plastic parts.

Materials Used:

- Carbide
- M4
- M2
- D2
- CPM 10V



FH-MIP01 Aluminum gel mold cavity



FH-MIP03 Plastic injection mold



FH-MIP02 Core plate



FH-MIP04 Aluminum mold for gel





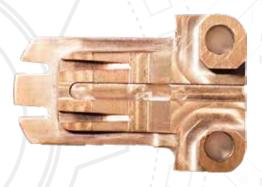
FH-MIP05 Cavity plate



FH-MIP06 Mold cavity slide



FH-MIP07 Mold cavity for medical product



FH-MIP08 Beryllium copper insert





FH-MIPI 0 Core for plastic injection moldin

Automation and integration

We design and manufacture automation and industrial integration machines to optimize processes and enhance efficiency across various applications. Our custom solutions are tailored to each client's specific needs, seamlessly integrating systems to increase productivity and reduce operational costs.

With cutting-edge technology and a focus on quality and flexibility, our integrations ensure exceptional performance and greater competitiveness in the industrial sector.



6 16

9F component flame soldering station

















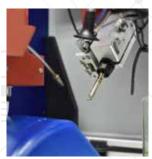


Tinning station







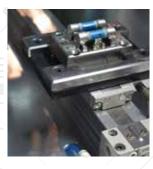




Flame system fuse cap welding machine





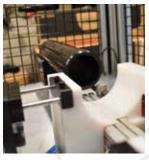














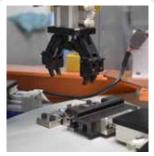




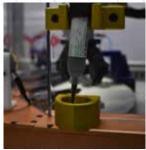


Induction weftlding erminals to use











9F component induction soldering station



















MRO – Maintenance, repair, and operations

In this section, you'll find everything needed to ensure the optimal performance of your equipment and facilities. We offer a wide range of MRO products, designed to meet preventive and corrective maintenance needs across various industrial sectors.





Hand and power tools

From wrenches, screwdrivers, and hammers to drills, grinders, and more, ensuring precision and efficiency in every task.



Industrial consumables

Includes adhesives, lubricants, abrasives, sealants, and other essential supplies for daily maintenance.



Personal protective equipment (PPE)

Safety for every operation with gloves, goggles, helmets, industrial footwear, and more.



Components and spare parts

Essential supplies to maintain machinery and systems in optimal working condition.

Each of our products is carefully selected to ensure efficiency, durability, and high performance in demanding work environments. With our support, your company can maximize productivity, reduce downtime, and improve operational safety.



Manufacturing lines for stainless steel medical products

At Solid Manufacturing, we develop specialized manufacturing lines for the production of stainless steel medical products, ensuring quality, precision, and reliability at every stage of the process.

We adhere to the highest industry standards, guaranteeing that each manufactured piece meets critical safety, durability, and functionality requirements. Accuracy is essential in the medical sector, which is why we implement advanced technology and optimized production methodologies to achieve efficient, repeatable, and consistent processes.



High-quality materials

We use medical-grade stainless steel for biocompatibility, corrosion resistance, and maximum durability.

Resource optimization

Strategies to minimize waste and enhance the performance of every manufacturing line.

Regulatory compliance

We ensure that our processes and products meet all necessary certifications and industry regulations.



With our expertise, we provide innovative solutions tailored to our clients' needs, enhancing efficiency and quality in medical device production.



Information display support equipment



We offer information display solutions for professional environments such as meeting rooms, offices, and production lines. Our SmartBoards and digital kiosks improve communication with advanced technology, interactivity, and seamless integration, optimizing collaboration and workflow.

Self-service kiosk

Kiosco de 21.5" para autoservicio y gestión de filas, con diseño moderno, pantalla Full HD, interfaz táctil de 10 puntos, iluminación LED y opciones como impresora térmica y escáner QR.



Impresora térmica de 58/80 mm



Escáner QR con módulo NFC



LED lighting strip at the base



Panel Full HD original de alta calidad

Potente motherboard con android o windows integrado

- Android: RK3566, RK3568, RK3399, etc.
- Windows: Procesadores Intel i3, i5 e i7.

Pantalla táctil capacitiva de 10 Puntos personalización disponible

- Impresora térmica de 58 mm o 80 mm
- Escáner de código QR
- Cámara
- Ranura para POS
- · Otros accesorios bajo solicitud

Available Sizes

- 21.5"
- 32"
 - <u>2</u>" 49"
- 27"
- Custom sizes available.

Smart board

El panel táctil interactivo de 75 pulgadas cuenta con una pantalla con tecnología táctil infrarroja de 20 puntos (compatible con pantalla táctil capacitiva personalizada), ofreciendo una experiencia táctil altamente sensible. Su vidrio templado antirreflejante reduce los reflejos visuales para una mejor visibilidad.

Este panel interactivo de 75 pulgadas incorpora un sistema operativo dual: Android OS y Windows OS.

En Android OS, incluye un software profesional de pizarra digital, y permite la instalación de otras aplicaciones como Zoom para videoconferencias. En Windows OS, cuenta con ranuras OPS para mayor compatibilidad.

No external computer needed!

The integrated Android system allows teachers and professionals to browse the web, use the digital whiteboard, and share screens effortlessly.



Specifications

75-inch interactive touch panel, with a screen size of 1750x928 mm and detailed dimensions provided below.



Designed for learning

Enables teachers to write, erase, and move notes intuitively.

Accessories

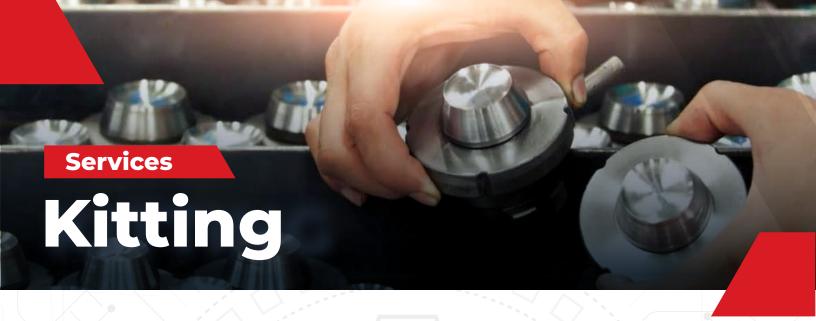
1-year warranty: If a quality issue is detected, accessories or the device can be replaced at no cost.

Includes

- 1. Conference machine
- 2. Remote control
- 3. Wall mount

- 4. Writing pen
- 5. Power cable
- 6. Electronic manual





Services:

Kitting is used to gather items or components into a single kit. The contents of the package will depend on the specific needs of each sector:

Automotive industry:

Kits may contain items such as nuts, bolts, and screws, either pre-assembled or as individual pieces.

Aerospace industry:

These kits can include anything from mechanical parts to specialized electronic components.

Electronics industry:

Kits typically include resistors and capacitors, with parts shipped in a single package.

Food & beverage industry:

Workers in this sector require supplies like spices or flavorings, which are sent in a specialized kit.

Healthcare industry:

These kits usually contain anything from surgical instruments to emergency medical supplies.

Retail sector:

Kits include everything from accessories to complete products, streamlining order preparation and shipp

The importance of kitting in manufacturing

Kitting services offer several advantages. Here are the four main benefits:

Simplification

Once the kit is prepared and sent to the production line, assembly is carried out with all the necessary components in place.

Efficiency

The kitting logistics system reduces the time required to gather production components, streamlining the pre-assembly phase.

Quality assurance

Kitting also serves as a quality control system, ensuring that all necessary elements are present in each kit.

Inventory management

Kitting logistics improve inventory management by reducing the number of SKUs stored in the warehouse.



Preparation for UL certification

Guaranteed safety and reliability

At Solid Manufacturing, we ensure compliance with the highest quality and safety standards in every one of our processes. Our UL certification guarantees that our products and solutions meet international regulations for electrical safety, reliability, and performance.

Why Choose UL-certified products?

- Compliance with international standards
- Enhanced safety and reliability in every application
- Risk reduction in industrial environments
- Guaranteed quality and durability

PROVEEDOR



With this certification, we reaffirm our commitment to providing engineering solutions that meet the market's most stringent requirements, giving our clients the confidence of working with products backed by one of the world's most recognized certifications.



Services

Sorting

Our goal is to help you detect defects and quality issues in production before they reach your final customer. With this service, we can help you control all potential failures that your production lines may have:

- Reduce customer complaints
- Prevent line stoppages
- Avoid downtime
- Increase economic profitability
- Enhance credibility and competitiveness

We can design and manufacture any type of tooling and assembly line to carry out any sorting process, regardless of its complexity.







At Solid Manufacturing, we understand that precision is key in the manufacturing industry. Our Rework Service is designed to correct, adjust, and improve components that do not meet the required specifications, optimizing processes and reducing production costs.

We utilize cutting-edge technology and a highly qualified team to modify defective parts, eliminating waste and ensuring the highest quality in every component. Our approach is based on efficiency, guaranteeing that each reworked piece meets the industry's most demanding standards.

Benefits of Our Rework Service

- Defect correction without the need to manufacture new parts.
- Cost and waste reduction in production.
- Process optimization and improved delivery times.
- Quality assurance in every component.

Trust our experience and commitment to excellence to keep your production running smoothly.



Software development

Custom Enterprise Software with innovative solutions, modern design, and the best usability analysis.









Creating enterprise software solutions.









We create custom enterprise software solutions with innovative solutions, modern design, and the best usability analysis to meet customer needs and requirements.





Web development

We develop all types of websites, from complex corporate-oriented sites to customer-focused designs, ensuring adaptability to any device.



Mobile applications

We develop Native and Cross-Platform Applications for iOS, Android, and Windows Mobile.



Desktop applications

We develop applications for Windows using the latest technological tools and best practices.



Databases

TWe help you organize raw data in the most efficient way for analysis and decision-making.



API integrations

We use API-based development to seamlessly integrate custom software with third-party corporate systems and services.



SMT Solutions innovation & precision in

every detail

















Racks for magazines & ESD cart





Dispensing equipmen









Our dispensing equipmen are designed to work with: epoxy, adhesives, greases, pastes & more

Nozzles









Fedders







AGV magazine loader & unloader SSLXSR-3200R



Stencil cleaning SPI SS305SWM



Automatic nozzle cleaning machine



Conformal coating removal CRYSTAL MARK









Industrial solutions innovation & precision



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