Mahani Engineers Pvt Ltd

Machines **A**nd **H**i-Tech **A**utomation with **N**ovel **I**nnovation

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About Mahani

•We are an MSME founded by a team of seasoned technocrats with many years of entrepreneurial expertise in designing and manufacturing SPMs and automation systems.

•Rooted in the spirit of the *Make in India* initiative, Mahani is committed to delivering high-quality engineering solutions to both large enterprises and fellow MSMEs. We combine deep industry experience with the latest technologies to craft custom-engineered systems that meet the most complex and demanding requirements.

What We Do

•At Mahani, we specialize in **one-piece, tailor-made systems**—designed and built to fit your exact needs.

•Our capabilities include:

•Special Purpose Machines (SPMs) - integrating **hydraulic, pneumatic, servo, and robotic systems**, all controlled via advanced PLC programming, ensuring precision, performance, and reliability.

•Industrial Automation

•Process Equipment

•Material Handling Systems

•Mayil brand Radio Remote Controls for Cranes

•We are also the Indian Agents for **COMETO of Italy, specialists in Wire Processing Equipment & accessories**.

Why Choose Us

•**Customer-Centric Approach**: We build long-term relationships through quality, reliability, and responsive service—earning consistent repeat business.

•**Experienced Team**: Our engineers and technicians bring a high level of skill, innovation, and attention to detail in every project.

•**Innovation with Purpose**: Every system is designed to maximize performance, efficiency, and ROI for our clients.

•Whether you're an MSME looking to automate or a large enterprise needing a bespoke solution, **Mahani is your trusted engineering partner**.

Experience the Mahani difference. Contact us today.

Technical Director

Venkataraman, a Mechanical Engineer from the 1981 batch, brings over **44 years of extensive experience** across design, manufacturing, maintenance, project management, troubleshooting, and problem-solving. A seasoned industry expert, he is widely recognized for his deep technical knowledge, especially in the domain of **Special Purpose Machines (SPMs)** and **welding automation**.

Adaptable and forward-thinking, Venkataraman has successfully navigated decades of technological evolution, consistently delivering **innovative and cost-effective engineering solutions** to a wide range of corporate clients. Renowned for his ability to analyze complex problems and engineer practical solutions, he is a natural innovator who ensures every design is both robust and implementation-ready.

Earlier in his career, he held key roles at several reputed organizations, including **TI & M, TTK, Petron, and Advani Oerlikon**, gaining valuable experience both in India and internationally.

Domain Expertise

- **SPMs & Custom Machinery**
- **Welding Consumable Manufacturing Plants**
- **Welding Automation Systems**
- **Process Equipment Design & Maintenance Engineering**
- With **23 years at ADOR Welding** as Head of Engineering, Venkataraman gained expertise in designing and developing **complete plants for welding consumables**. His machines are successfully running in **Germany, the USA, Iran, Korea, China, and the Middle East**, consistently earning accolades for performance and reliability.
- He has also led **international commissioning and training assignments**, including installation of **WWM and Eurolls machines from Italy** and **operator training for flux-cored wire production**.

Leadership & Mentorship

- Beyond his technical prowess, Venkataraman is a highly effective **trainer and mentor**. Many young engineers have grown into skilled professionals under his guidance, benefiting from his hands-on training and leadership.

Entrepreneurial Journey

- In 2012, Venkataraman co-founded a partnership firm focused on manufacturing SPMs. After 12 successful years, he launched **Mahani Engineers** in 2024, carrying forward his vision for innovation-driven, high-quality engineering solutions.

Managing Director

Anirudh, a Graduate Production Engineer & M.Engg (Production & International Business) from Germany, brings over 13 years of diverse and hands-on experience across India and overseas.

A specialist in **Lean Manufacturing**, he is recognized for his dynamic approach, strong execution skills, and a consistent track record of delivering projects on time while exceeding customer expectations.
With a **go-getter attitude** and a **pleasing personality**, Mr. Anirudh excels in building and maintaining strong relationships with clients, vendors, colleagues, and employees. His collaborative leadership style fosters a results-driven work environment.

Anirudh, after his graduation, began his career with JCB, Pune & later he became an entrepreneur in 2012. He plays a key role in the Business growth and development. Over the years, he has gained in-depth knowledge of all aspects of the business.

His core proficiencies include:

- **Operations management**, including planning, production, and shop floor supervision
- **Site installation and commissioning** of machines at customer locations
- Oversight of **Finance, HR, and general administration**
- Known for his expertise in **Lean practices** and **man management**, Mr. Anirudh has consistently driven efficiency, quality, and team performance throughout his career.

List of Projects Executed

- Machines for Seam welding, Base welding, Internal SAW welding – for the manufacturing of **Street/ Light Poles**.
- Complete system for **testing X Ray Tubes**, including complicated **Lead Lined chambers**, to prevent X Ray leakage outside – which is harmful for the life.
- Complete plant & machinery to produce **Welding Stick Electrodes** – especially for making Special Electrodes – with Concentric Extrusion Technology. One such plant was exported to China in 2024, which included

Wire straightening & Cutting machine # Flux Wet Mixing machine # Slug Press
Extrusion press # Brushing Conveyor # Green stage flux & wire reclamation machine – including Installation, Commissioning & training of operators in China.

- All kind of auxiliary machines required for **Dry Wire drawing, Wet wire drawing & Flux Cored Wire production**, which include but not limited to –

Wire Descaler # Steel Wool Wire cleaning station # Wire Pointing Machine # Capstans
DIN 1000 Bobbin Winder # Dual Wire Pay-off – for Dry drawing as well as for Wet drawing lines
Rotating Die Holders – for Dry drawing as well as Wet drawing lines # Die stringing machine
Copper coating tank with Ceramic Pulleys # DIN 800 Bobbon Winder # Aligned Killing Rollers
Flux Mixer for FCW # Drum Packing machine for FCW

- Welding Automation - to produce – LPG Cylinders, H beams, SS Floats, Corner seam welders, Welding Rotators, Positioners, Column & Boom manipulators, Weld seamers, Customised machines which includes Loading /Unloading, Pick & Place etc.
- Different kinds of Special Purpose Machines, as per Customer Needs

Products

We specialize in the design and manufacturing of a wide range of industrial machinery.

- **Special Purpose Machines**
- One-off, custom-built machines tailored for specific production needs.
- **Welding Automation Systems**
- Custom welding automation solutions with integrated loading and unloading systems.
- Special rotators, positioners, and column & boom configurations to suit diverse applications.
- **Robotic Automation Systems**
- Robot-based solutions for welding, palletizing, and other industrial automation tasks.
- **Custom Welding Fixtures**
- Precision-engineered fixtures equipped with manual, pneumatic, or hydraulic clamping systems..

- **Welding Consumable Production Equipment**
- We offer complete plant and machinery solutions for the production of welding consumables, including:
- **Welding Electrode Manufacturing Lines**
- **Steel Wool Wire Cleaning Systems**
- **Flux-Cored Wire (FCW) Manufacturing Lines**
- **TIG Wire Straightening, Cutting, and Embossing Machines**
- **Drum Packing Machines** for FCW and SAW wire
- **Strip Cleaning Systems** for E71T-1 FCW production

Agency Products & our other Services

We also provide Imported Products & provide special Services

- **Authorized Indian Representatives for Cometo Italy**
  Supplying premium-quality wire handling and straightening solutions.
- **Mayil Brand – Wireless Radio Remote Controls** – used in EOT cranes – imported, sold & serviced by Mahani Engineers.
- **Radiation Protection Solutions**
  Design and fabrication of lead rooms and lead-lined tanks for X-ray insulation.
- **Troubleshooting & Cost-Effective Solutions**
  Expert problem-solving and optimization support for your operations.
- **Special Fabrication Services**
  Custom fabrication in mild steel and stainless steel as per project requirements, especially with Mechanised Welding .
- **Custom Hydraulic Cylinders**
  Designed and manufactured to meet specific customer specifications.

Some of our Products

Some of Mahani's Valuable Customers
Welding Consumables Manufacturers

ador FONTECH

ESAB

LINCOLN ELECTRIC
THE WELDING EXPERTS®

ador
peace of mind

Eureka Welding Alloys CHINA

METALDOM
DOMINICAN REPUBLIC

HYUNDAI WELDING

ZULFI
Welding Solutions
SAUDI ARABIA

Some of Mahani's Valuable Customers
Customers for Special Purpose Machines

Impression Systems & Engineers Pvt. Ltd.

WWTS

L'ORÉAL

NUCOR® TOWERS & STRUCTURES
USA

Swaraj

MTI

DRDO
DEFENCE R&D ORGANISATION
MINISTRY OF DEFENCE
NMRL

Linde
Linde India Limited

EWCFI
ESSER-WERKE CON FORMS INDIA PVT. LTD

GIRNAR PRECISION TECHNOLOGIES LIMITED

UWT
A FlowAir Group Company

Pentanen Engineering Pvt. Ltd.

Some of Mahani's Valuable Customers – Overseas

NUCOR® TOWERS & STRUCTURES
USA

Eureka Welding Alloys CHINA

METALDOM
DOMINICAN REPUBLIC

ZULFI Welding Solutions
SAUDI ARABIA

Why Choose Mahani Engineers?

•At **Mahani Engineers**, we combine the wisdom of industry veterans with the energy and innovation of young engineers — creating a uniquely **versatile and capable team**.

•**Proven Expertise in Special Purpose Machines & Welding Automation**

•With over **13 years of entrepreneurial experience**, we've designed, manufactured, and commissioned more than **350 custom machines**. Our deep expertise in **Special Purpose Machines** and **Welding Automation** enables us to offer **cost-effective, innovative solutions** across various applications.

•**Pioneers in One-Piece Production of Custom Machines**

•We specialize in one-off, tailor-made machines designed to meet your exact production needs — from concept to commissioning.

•**Experts in Welding Consumables Production Equipment**

•Our experience spans the complete range of machinery for welding consumables manufacturing, including:

•Stick electrode production lines, Wire drawing machines, Flux-cored wire (FCW) manufacturing lines, Mixers, ovens, conveyors, and more

•**Serving a Broad Spectrum of Industries**

•We provide a **diverse portfolio of automation and fabrication solutions** across multiple industry sectors.

•**Balanced Approach: Scalable Yet Personal**

•We're **large enough** to handle complex, high-volume projects — yet **small enough** to ensure **personalized attention, fast response times, and long-term support**.

•**Customer-Centric and Quality-Driven**

•Our **dedicated team** is focused on delivering high-quality solutions, with a strong emphasis on customer satisfaction, reliability, and after-sales service.

•**Exclusive Technology Providers**

•Mahani Engineers is currently the **only source** for **Concentric Extruder Technology** in India — essential for manufacturing **special welding electrodes**, particularly **double-coated electrodes**.

Thank you