

CONTROL IS YOURS, THE FUTURE IS OURS!

2025 AUTOMATION SOLUTIONS PORTFOLIO





ABOUT US

FENIXIS Industrial Manufacturing, was founded in 2024 with the aim of ensuring **efficiency, sustainability, and safety** in production processes. With **over 8 years of industry experience**, we provide automation solutions specifically for the **welding industry**. We stand out in the sector with our products, including **rotators, column-boom systems, positioners, pipe turners, and monitoring systems**.

Thanks to our **strong electronic, software, and mechanical infrastructure**, we develop all our systems with **domestic and innovative technologies**, offering **customized solutions** for automation projects.

In addition, **fume extraction systems** that improve safety and air quality in production areas are a key part of our product portfolio. We design and manufacture these systems for both domestic and international markets.

With our expert team, we not only develop products but also provide **consulting services** to help companies make their production processes more **efficient and safe**.

Vision

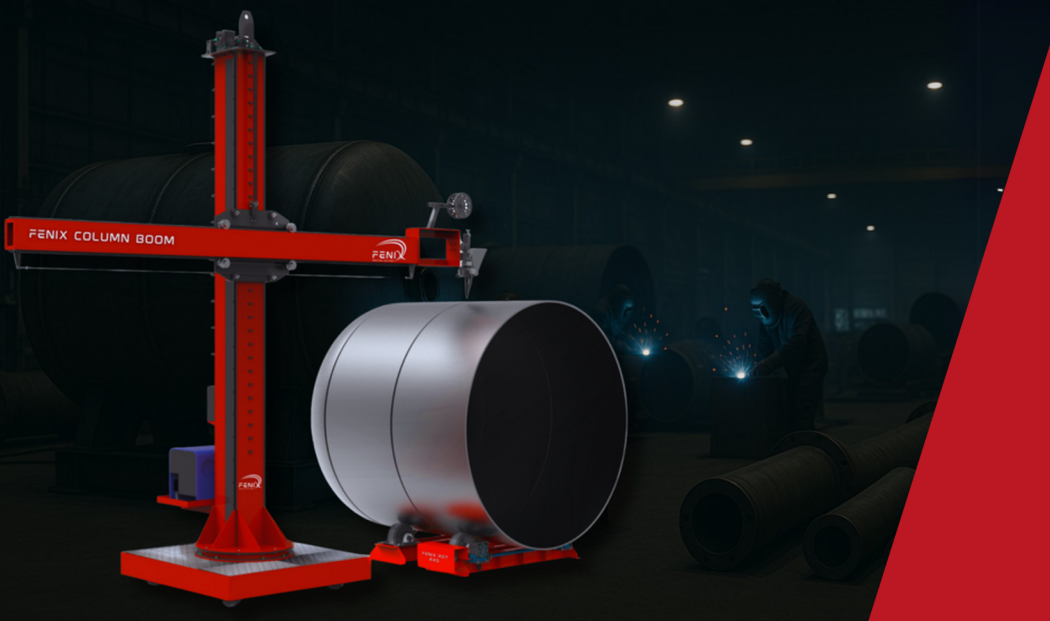
To become a globally preferred leading brand by providing **innovative, efficient, and sustainable** solutions in the **welding and automation technologies**.

Mission

With our high-tech **domestic** automation systems and **industrial solutions**, we aim to increase **production efficiency**, prioritize **workplace safety**, and add value to our customers in the **welding industry**.

FENIX C-BOOM

COLUMN & BOOM SYSTEMS

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FENIX C-BOOM Column & Boom Systems deliver **maximum efficiency and precision** in welding operations. Seamlessly integrated with **FENIX ROT** and **FENIX POS**, they enable both **circumferential and longitudinal welding processes**. Compatible with **SAW (Submerged Arc Welding)**, **MIG**, **MAG**, **TIG**, and **PLASMA** welding techniques.

Available in **stationary** or **manually/motor-driven rail-mounted** configurations, and featuring a **360° rotating column**, they enhance welding reach while **minimizing operator intervention**.

Through **synchronized systems and digital communication**, they ensure full integration with modern **production lines**, making welding processes significantly more efficient and safe.

- **Fixed & Rail-Mounted Options:** Offers the flexibility to move along the rail manually or with a motorized drive, making the welding process significantly more adaptable.
- **360° Rotating Column:** Provides full rotation with manual or motorized options, enhancing welding access during operation.
- **Linear Rail Option:** Enables precise movement capability, allowing workpieces to be processed in the most optimal position.
- **High Quality & Fast Production:** With automation support, faster and higher-quality welding results are achieved.
- **FENIX ROT & POS Integration:** Works in harmony with rotator and positioner systems to enhance welding efficiency.
- **Digital Communication with Synchronized Systems:** Offers fully integrated digital control options compatible with modern production lines.
- **Flexible and Precise Operation:** Enables accurate welding of large, heavy workpieces.
- **Operator-Friendly Design:** Offers safe operation with an easy-to-use interface and ergonomic structure.

FENIX ROT

ROTATORS



8 YEARS OF
EXPERIENCE



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FENIX ROT Self-Adjusting Rotators automatically grip cylindrical workpieces of different diameters in welding applications, ensuring perfect rotation motion and welding efficiency. Its design, which requires no manual adjustments, **provides automatic positioning based** on the workpiece diameter. The system, consisting of a motorized and a free-turning unit, works with high precision while accelerating production processes. The **KAMA** brand wheels, coated with durable **polyurethane**, ensure vibration-free operation, and the modular structure adapts to a wide range of production requirements. Available in capacities from **5 tons to 50 tons**, FENIX ROT **integrates seamlessly with column-boom systems and welding automation**.

- **Self-Adjusting Design:** Automatically grips and positions materials of varying diameters.
- **Wide Diameter Compatibility:** Works with workpieces ranging from Ø500 mm to Ø5000 mm.
- **Vibration-Free Rotation:** Ensures precise and silent operation with polyurethane-coated KAMA wheels.
- **Motorized and Free-Turning Unit:** Ideal for high efficiency and balance.
- **Manual Wired/Wireless Speed Control:** Provides flexible speed control and user-friendly operation.
- **Modular Structure:** Easy adjustments for distance and diameter.
- **High Capacity Options:** Rotation capacity ranging from 5 tons to 50 tons.
- **Digital Communication with Column-Boom Systems:** Full integration with automation systems.
- **Heavy-Duty Yilmaz Reducer and Drives:** Industrial durability and safe operation.
- **Kama Brand Polyurethane-Coated Wheels:** High durability and long-lasting performance.
- **Compact and Robust Design:** Built to industrial standards for long-term use.

FENIX C-ROT

COMPACT ROTATORS



8 YEARS OF
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FENIX C-ROT 2 Ton Height-Adjustable Modular Pipe Stand is designed to provide **maximum efficiency and flexibility** in complex welding applications. With a load capacity of up to 2 tons, this modular stand accommodates pipe diameters ranging from **5 cm to 122 cm**. Thanks to its gear mechanism, **height adjustment** can be easily made along the vertical axis, reducing operator physical strain and accelerating the workflow. Its **modular structure** allows for interchangeable bases, rollers, and customizable upper sections, making it easily adaptable to different projects. The durable **KAMA** brand polyurethane-coated wheels ensure a vibration-free and stable working environment.

- **0-2 Ton Load Capacity:** Ideal solution for medium-sized pipes.
- **Adjustable Pipe Diameter:** Wide diameter range from 5 cm to 122 cm.
- **Modular Design:** Flexible use with interchangeable bases, upper sections, and rollers.
- **Height Adjustment with Gear Mechanism:** Vertical positioning is done quickly and effortlessly.
- **KAMA Brand Polyurethane-Coated Wheels:** Ensures a vibration-free and stable working environment.
- **Superior Performance, Cost-Effective:** A high-value solution offering great price-performance.
- **Compact and Durable Body:** Designed for industrial use with a long-lasting structure.

FENIX POS

LX SERIES POSITIONER



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FENIX POS LX Series Positioners enhance production quality by holding workpieces in the ideal position for **welding** and **assembly operations**. With **rotation** and **inversion capabilities**, they provide optimal access during welding, minimizing manual intervention and boosting productivity. The **360° rotation and flexible angular adjustments** allow for easier and safer handling of **large and heavy parts**. Offering capacity options ranging from **300 kg to 2,000 kg**, the LX series is fully customizable to meet specific needs. Equipped with **powerful motors and precise speed control systems**, it ensures stable and reliable operation. These positioners integrate seamlessly with **welding robots and automation systems**, while **user-friendly control systems** simplify operation for the operator. With an ergonomic and durable design, the FENIX POS LX series delivers **long-lasting performance**, making it ideal for heavy industrial environments.

- **360° Rotation & Inversion:** Ensures optimal workpiece positioning for maximum stability.
- **Different Capacity Options:** Offers load capacities ranging from 300 kg to 2,000 kg.
- **Powerful Motors & Precision Speed Control:** Enables high-performance operation and safe movement.
- **Automation Integration:** Compatible with welding robots and automation systems for digital communication capabilities.
- **Digital & Analog Control Options:** Provides easy control and optimized process management through a user-friendly interface.
- **Ergonomic Design & Work Safety:** Ensures operator comfort while maximizing safety.
- **Durable & Long-Lasting Construction:** Designed for heavy-duty industrial environments with a robust structure.

FENIX POS

HX HEAD-TYPE SERIES POSITIONERS



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FENIX POS HX Head-Type Positioners improve productivity by positioning workpieces in the ideal location for welding operations. By providing rotation and movement along the **horizontal axis**, these positioners ensure secure fixation of parts and enhanced welding quality. The **opposite body operation** feature can be either **manual or motorized**. With a durable body structure, the HX series is suitable for **heavy industrial conditions** and offers capacity options ranging from **1 ton to 20 tons**. The table rotation speed is controlled by a precise control system, and the **'T' channel design** ensures easy assembly. Positioners with optional precision angle adjustment provide more flexible use and can be integrated with column-boom systems, welding robots, and machines. **Powerful turning motors and independent drivers ensure safe operation**, while the compact and durable design adapts to a wide range of production needs.

- **Motorized or Manual Movement:** Provides flexible positioning along the horizontal axis.
- **Powerful Motors & Independent Drivers:** Ensures high performance and safe operation.
- **Precision Control System:** Table rotation speed is precisely controlled.
- **Easy Assembly:** T-channel design enables quick and easy setup.
- **Optional Precision Angle Adjustment:** Offers more flexible use and optimal positioning.
- **Automation Integration:** Compatible with column-boom systems, welding robots, and machines.
- **Optional External Operator Panel:** Provides ease of use and custom solutions.
- **Compact and Durable Design:** Suitable for industrial conditions, with capacity options ranging from 1 ton to 20 tons.

FENIX POS

AX SERIES POSITIONERS



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FENIX POS AX Series Positioners are designed to enhance **efficiency and precision** in welding processes by positioning workpieces in optimal orientations. With **dual-axis movement** enabling both rotation and angular positioning, they offer **maximum flexibility** during welding operations.

These positioners support a **rotation capacity from 300 kg to 1000 kg**, accommodating various workpiece sizes. By securely fixing the part according to its weight, they enhance **weld quality** and **operator safety**.

Table rotation speed is managed through a **precision control system**, while the integrated **slip ring system** ensures continuous and safe grounding during welding. Additionally, the AX series can be customized for seamless **integration with column-boom systems, welding robots, and welding machines**.

- **Dual-Axis Motion Capability:** Enables both rotation and tilting for optimal workpiece positioning.
- **300–1000 kg Load Capacity:** Suitable for a wide range of components, customizable based on application.
- **Precision Control System:** Accurate table speed adjustment tailored to the welding process.
- **Adjustable Speed Control:** Fine-tuned rotation speed for different part weights and welding types.
- **Secure Clamping:** Ensures safe and stable holding based on workpiece mass.
- **Integrated Grounding via Brush System:** Reliable and uninterrupted welding current transmission.
- **Low-Backlash Gear and Reducers:** Smooth, high-efficiency power transfer with minimal vibration.
- **Automation Compatible:** Easily integrates with booms, robots, and welding systems.
- **Compact & Durable:** Built for tough production environments.
- **Customizable:** Configurable for specific welding setups.

FENIX POS

AXC SERIES POSITIONERS

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FENIX POS AXC Series Positioners are designed to **optimize welding efficiency** for light-duty parts up to **300 kg**. Featuring dual-axis movement, they offer both rotation and tilt for precise positioning. Secure clamping ensures safety based on part weight, while **fine speed control** allows smooth rotation. With full compatibility for **integration with column & boom systems, welding robots, and machines**, AXC Series positioners adapt easily to diverse production lines.

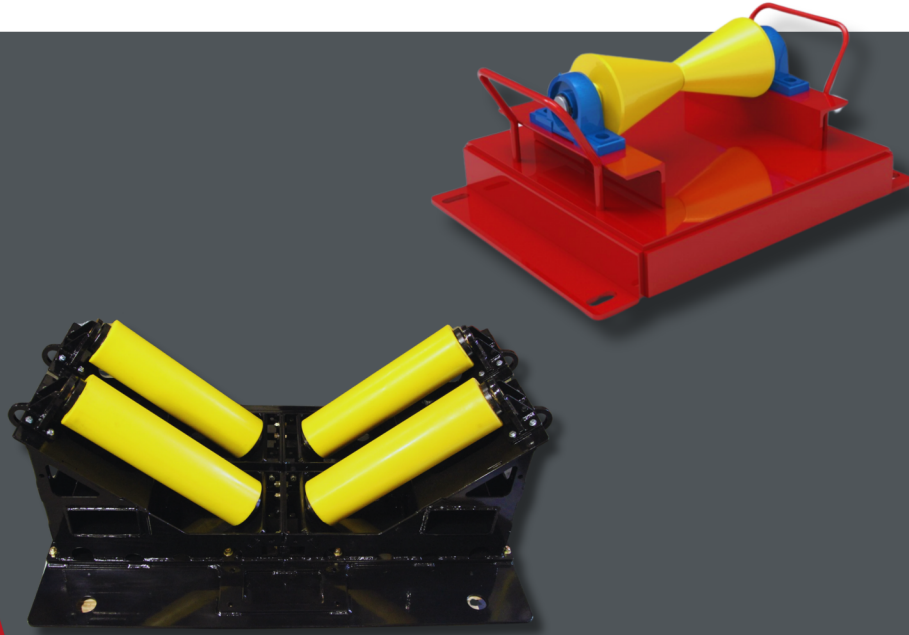
- **0–300 kg Load Capacity:** Ideal for precise positioning of light-duty parts.
- **Dual-Axis Motion:** Enables both rotation and tilt adjustment.
- **Foot Pedal Control:** User-friendly operation with easy speed adjustment.
- **Precision Speed Control:** Adjustable rotation speed for optimal welding conditions.
- **Automation Integration:** Compatible with column & boom systems and welding robots via digital communication.
- **High Performance, Cost-Effective:** Efficient and economical welding solution.
- **Compact & Safe Design:** Built to meet industrial safety standards.

FENIX ROL

PIPE ROLLERS



8 YEARS OF
EXPERIENCE



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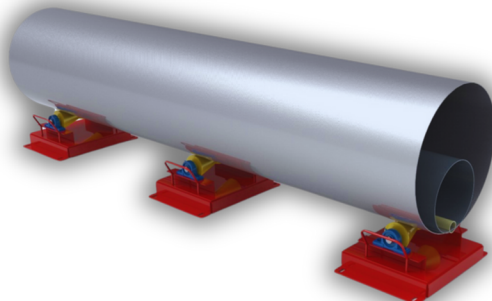
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FENIX ROL Series Pipe Rollers are essential auxiliary equipment designed to ensure **maximum efficiency and safety** during pipeline installation. Especially effective in challenging environments like **river or road crossings**, they enable **secure and damage-free** pipe handling. In horizontal directional drilling (HDD) operations, they keep pipes elevated above ground, reducing friction and protecting against dust and debris. With load capacities ranging from **100 kg to 3000 kg**, they offer versatile solutions for pipes of various sizes and weights. Their modular and adaptable design makes them ideal for **oil, gas, and other industrial pipeline projects**.

- **100–3000 kg Load Capacity:** Wide range for handling pipes of various weights.
- **High Efficiency:** Saves time and labor during pipeline installation.
- **Low Friction:** Keeps pipes elevated to reduce drag in HDD applications.
- **Rugged Use:** Suitable for rivers, road crossings, and uneven terrain.
- **External Protection:** Shields pipes from dust, dirt, and ground contact.
- **Modular & Adaptable Design:** Easily adjustable for different pipe diameters.
- **Versatile Applications:** Ideal for oil, gas, and industrial pipeline projects.



FENIX ROL

ROLLER PIPE CARRIER CRADLE

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FENIX ROL Roller Pipe Carrier Cradle is a specially engineered **transport system** designed to enable safe, efficient, and damage-free pipe handling during pipeline installation. Its unique wrap-around design ensures the pipe remains balanced and secure on the rollers, while the **polyurethane rollers** provide firm support without damaging weld seams.

Equipped with **anti-friction bearings** and a **high-strength support cable structure**, the system minimizes drag and eliminates surface deformation. By distributing the pipe's weight evenly across the rollers, it completely **eliminates the risk of ovality (egging)**. The modular and lightweight construction allows for quick assembly and disassembly, significantly **simplifying transportation and storage**.

- **Unique Wrap-Around Design:** Keeps the pipe stable and balanced within the cradle.
- **Polyurethane-Coated Rollers:** Ensures damage-free transport without affecting weld seams.
- **Anti-Friction Bearings:** Minimizes friction, preventing surface deformation.
- **Weight Distribution to Prevent Ovality:** Even weight distribution eliminates the risk of egging.
- **Modular and Lightweight Structure:** Easy to transport, with quick assembly and disassembly.
- **Practical Storage:** Can be disassembled quickly, saving storage space.

FENIX EYE

FENIX EYE MONITORING AND EFFICIENCY ANALYSIS SYSTEM

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FENIX EYE Monitoring and Efficiency Analysis System is an intelligent solution designed to optimize industrial machine performance. With **easy installation** and **no machine intervention required**, it provides **real-time tracking of operation times, energy usage, and production data**. The system records key production metrics, such as blade strikes and spot welds, and supports **RFID integration for operator efficiency tracking**. Using **LORA WAN technology**, FENIX EYE offers wireless, lossless data transmission **up to 4 km**, with secure data transfer to business management or cloud platforms. Compatible with a wide range of machines, it operates **independently of brand or model**.

- **Real-Time Monitoring:** Machine operation times, energy consumption, and production data are tracked in real-time.
- **Production Parameter Tracking:** Data such as blade strike count and spot weld numbers are recorded.
- **RFID Card Reader for Operator-Based Monitoring:** Production data is directly linked to individual personnel.
- **LORA WAN Technology:** Provides wireless, lossless, and reliable data transmission up to 4 km.
- **Brand/Model Independent Integration:** Compatible with all industrial machines.
- **Easy Installation:** Quick integration through power connection without needing machine intervention.
- **Warranty-Compliant Setup:** Can be installed without modifying the device, ensuring warranty terms are preserved.
- **Cloud and ERP System Integration:** Collected data can be transferred to central platforms.

FENIX EYE

FENIX EYE MONITORING AND EFFICIENCY ANALYSIS SYSTEM



8 YEARS OF EXPERIENCE



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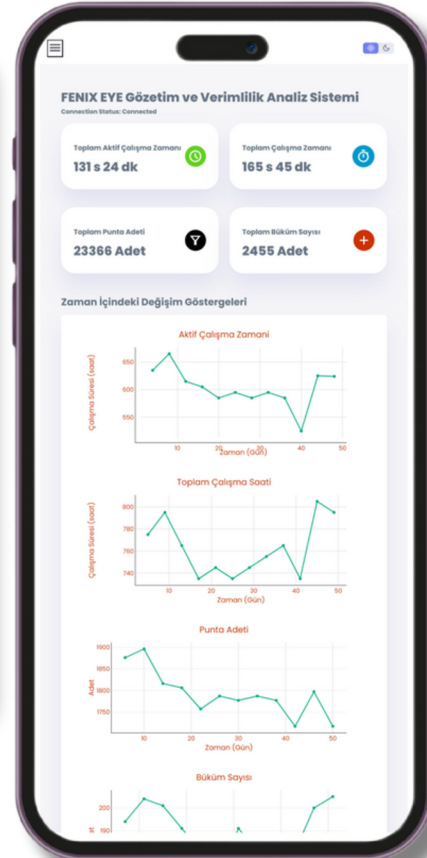
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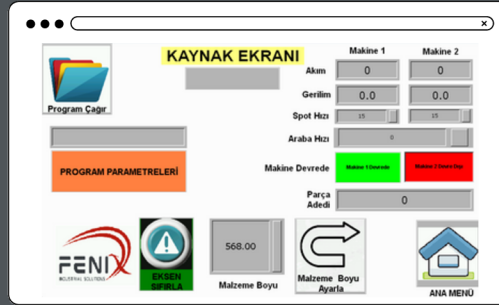
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FENIX

AUTOMATION SOLUTIONS – REVAMPING OF EXISTING SYSTEMS AND INTEGRATION OF SUSTAINABLE TECHNOLOGIES

With over **8 years of experience** in the industry, FENIX provides high-quality and sustainable **automation solutions** to its customers. During this time, we have enhanced existing automation systems by leveraging our **deep knowledge and experience** in various industrial processes, significantly improving performance. By **integrating older systems with the latest technologies and communication protocols**, we create more efficient and reliable solutions. Offering sustainable technologies, we ensure long-term cost reduction and high efficiency for our customers. At FENIX, **we continuously follow the latest innovations** in the industry to provide our customers with cutting-edge solutions.



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FENIX

CONSULTANCY SERVICES: WELDING TECHNOLOGIES, INDUSTRIAL PRODUCTION, AND ELECTRONIC SOLUTIONS

FENIX offers comprehensive consultancy services for the **welding industry** and **industrial production processes**. We provide in-depth knowledge and experience in welding technologies, automation systems, and applications while developing solutions to enhance the efficiency of industrial production processes. By offering **professional consultancy** in areas such as **5S, Kaizen, lean manufacturing, industrial engineering, value stream mapping (VSM), total productive maintenance (TPM), capacity planning, process optimization, supply chain management, and time studies**, we help businesses achieve a more efficient and organized production process. Additionally, we provide expert support in embedded software, electronic hardware design, and communication systems. As FENIX, we develop customized solutions for businesses using the **latest technologies** and **most efficient methods** at every stage.



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