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Aya[®] CUSTOM FASTENERS

FASTENERS, AS YOU ASKED

AYA Fasteners (Hebei) Co., Ltd.



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COMPANY PROFILE

AYA Fasteners (Hebei) Co., Ltd.

As a Global Fastening Customization Solutions Supplier, AYA has been deeply involved in the fastener industry with a single-minded and dedicated attitude, devoting to providing our customers with more industry-specific, professional, standardized, and precise fastener solutions.

AYA Fasteners specializes in Customized screws, nuts, CNC parts, and other specialized fastening solutions, ensuring high-precision manufacturing, premium materials, and expert design. They are widely used in the automotive, machinery, electronics, medical, and aerospace industries, meeting the requirements for unique specifications, high performance, and durability.

Besides more targeted and specific fastening solutions, AYA also provides you with exclusive value-added services. Anywhere, anytime, when you have any related problems and demand with fasteners, please feel free to contact our AYA customer service.

We will customize proper solutions based on your actual situation and requirements.

Slogan :

Fasteners, As You Asked

Value :

AYA's service process better satisfy customers' needs than the fastener itself

Positioning:

Global Fasteners Customization Solutions Supplier

Mission :

Devoting to satisfying multi-scenario fastening demand of our global customers

Brand Statement:

Providing professional solutions with dedicated attitude

Advantages :

Production advantage: High standard ensures high quality

Management advantage: Standardization ensures high efficiency

Service advantage: Constant provision of excellent service



37

Countries
Market



16

Years
History



9

R&D
Technicians



21

Industry
Cases

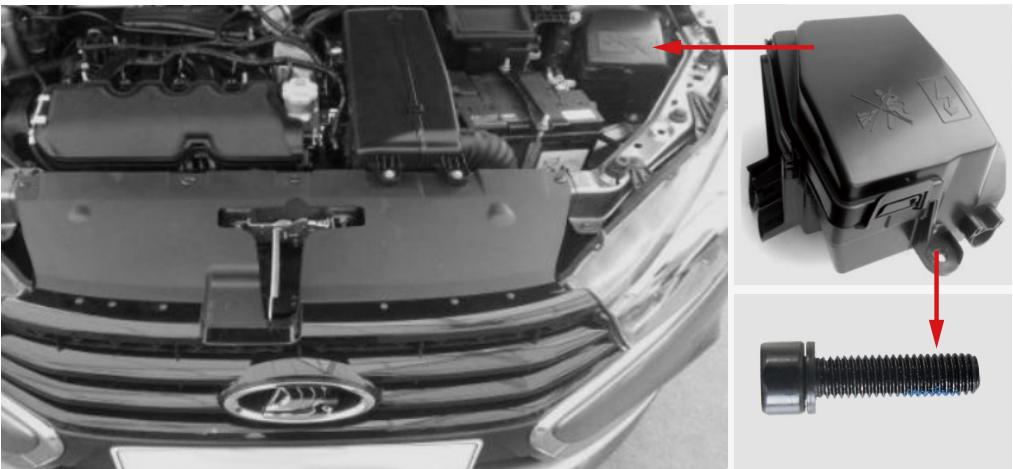


Certifications



AYA Fasteners is committed to delivering high-quality and secure products to our customers. We have achieved certifications of ISO9001: 2015, ISO14001: 2015, ISO45001: 2018, etc.

Quality guarantee and product testing are vital parts of fastener production. In AYA Fasteners, we have strict internal quality control system, professional QC team, and advanced equipment to ensure that all products can fully meet our customers' requirements and international standards.



Auto Molding Parts Production and Delivery in Russia

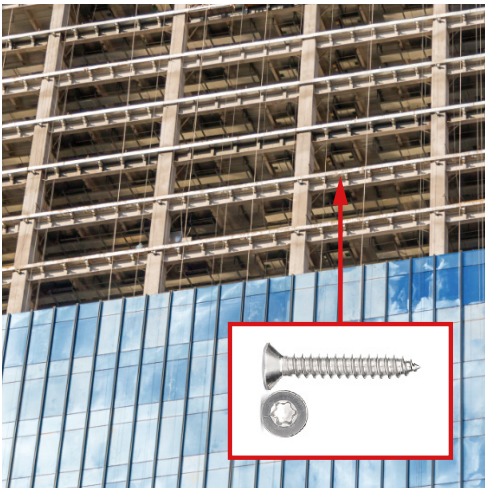
AYA Fasteners successfully produces and delivers auto molding parts in Russia in 2025, meeting our customers' needs for production injection moulding of thermoplastic materials. From design to production and delivery, AYA's expert team and technicians ensure high precision, safety, and customization to match the demanding standards of the automotive industry.



Connecting Parts Production and Delivery in the U.K.

AYA successfully delivers customized connecting parts in the U.K. in 2024, meeting our customer's need for engineered solutions using advanced materials. With expertise in stainless steel, titanium, and other high-performance materials, we ensure durability, strength, and precision across various applications.

From design to production and delivery, AYA provides customized fastening solutions with high-performance and reliability.



Custom Screws Production and Delivery in UAE

As a Global Fasteners Customization Solutions Supplier, AYA Fasteners has successfully delivered the first batch of customized Torx head stainless steel screws to a high-end construction project in the UAE in 2023. Specifically designed for the safe anchoring of ultra-high-rise glass curtain walls, meets Dubai's daily temperatures reaching 45°C, 90% humidity, and high salt spray corrosion extreme climate challenges.

This achievement once again proving our global service capability of "Devoting to satisfying multi-scenario fastening demand of our global customers."









• Metallic Coatings

This includes materials like chromium, nickel, zinc, tin, and various alloys used in processes such as electroplating, electroless plating, and physical vapor deposition (PVD). These coatings enhance corrosion resistance, wear resistance, and conductivity.

• Conversion Coatings

These are oxide, phosphate, or chromate coatings formed by chemical or electrochemical reactions on the substrate surface. Examples include anodizing, phosphating, and chromate conversion coatings, which provide corrosion protection and improved adhesion for subsequent coatings.

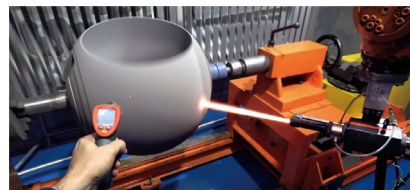


• Organic Coatings

These include paints, varnishes, lacquers, and powder coatings made from polymeric materials like epoxies, polyurethanes, acrylics, and polyesters. They offer corrosion protection, chemical resistance, and aesthetic appeal.

• Ceramic Coatings

Materials like oxides, nitrides, and carbides (e.g., titanium nitride, chromium nitride, and silicon carbide) are used to create hard, wear-resistant coatings through processes like chemical vapor deposition (CVD) and physical vapor deposition (PVD).

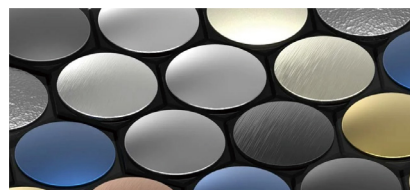


• Thermal Spray Coatings

These coatings are applied by melting and spraying materials like metals, ceramics, or cermets (ceramic-metal composites) onto the substrate surface. Examples include tungsten carbide, aluminum oxide, and nickel-chromium alloys used for wear protection and thermal barrier applications.

• Diffusion Coatings

These coatings are formed by diffusing elements like nitrogen, carbon, or boron into the surface of the substrate material, resulting in hardened surface layers. Examples include nitriding, carburizing, and boriding processes.



• Thin-Film Coatings

These are nanometer-scale coatings applied through techniques like atomic layer deposition (ALD) and molecular beam epitaxy (MBE), offering unique properties like low friction, chemical inertness, and optical characteristics.

Plating Type Salt Spary Time (hour)

• Zinc Nickle Plating: 1000+hrs/1500hrs max • Dacromet: 300/500/1000/1500hrs • Silver Ruspert: 300/500/1000/1500hrs • Teflon: 4000/9000 hrs • Magni: 300/500 hrs	• HDG: 96hrs • Black Zinc: 48/96hrs • Green/ Yellow/ Red Zinc: 24/48hrs • White/ Blue/ Color Zinc: 4/8/12/24/48/72/240hrs • Silver/ Black Nickel: 4/12/24hrs
• Electrophoresis: 48/72hrs • Anodize: 24/48hrs • Brass Plating: 12/24hrs • Tin Plating: 24/48hrs • Silver Plating: 12/24hrs	• Gold Plating: 12/24hrs • PVD: 96hrs • Brass Plating: 2hrs • Chrome Plating: 4/8/24hrs • Electroless Nickel Plating: 2hrs • Black Oxide: 2hrs • Painting: 12/24/48hrs





Cold Forged Fasteners Manufacturing

AYA Cold Forged Fasteners Manufacturing Services utilize cutting-edge techniques to produce high-quality fasteners with exceptional precision and strength. Cold forging, a process performed at ambient temperatures, involves shaping metal through controlled pressure application.



Turning Fasteners Manufacturing

AYA Turning Fasteners Manufacturing Services utilize advanced turning techniques to produce high-quality fasteners with precision and efficiency. Turning, a machining process, involves rotating a workpiece while a cutting tool removes material to create the desired shape.



Stamping Fasteners Manufacturing

AYA Stamping Fasteners Manufacturing Services utilizes state-of-the-art stamping techniques to produce high-quality fasteners with precision and efficiency. Stamping, a process of shaping metal using a press and die set, offers numerous advantages in fastener production.

Professional Inspection Lab

AYA Fasteners' Professional Inspection Lab reflects our commitment to product quality and innovation. Staffed by a dedicated team of 9 R&D technicians and supported by an in-house CNC production workshop, our lab is equipped with advanced inspection instruments, including: Optical Image Screening Machine (CCD), Tapping Speed Machine, Rockwell Hardness Tester, Vickers Microhardness Tester, Inverted Metallurgical Microscope, Salt Spray Test Chamber, Image Measuring Instrument, Precision Metallographic Cutting Machine, etc.

Through the integration of these advanced instruments and our skilled team, AYA Fasteners ensures that our fastening products deliver exceptional quality and reliability across various applications.



Quality Assurance

Quality Inspection Process

AYA has a professional QC team with over 30 experienced technicians and 10 senior fasteners experts. Meanwhile, an advanced fasteners laboratory with multiple testing instruments has also been established to ensure the high quality of the raw materials and final products.

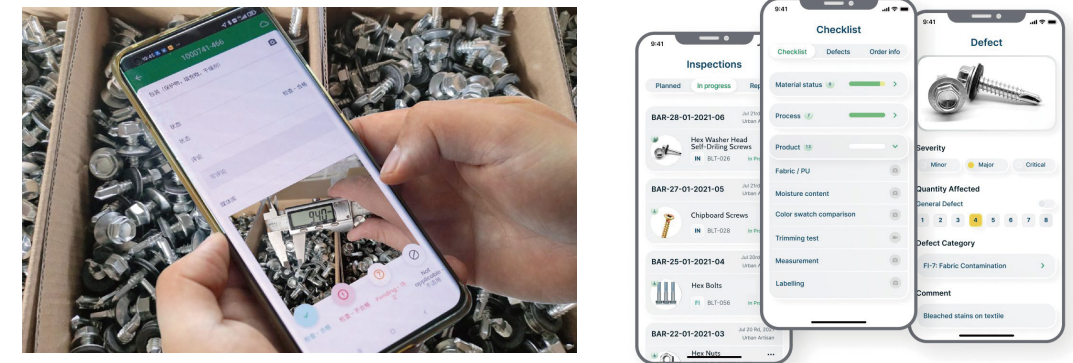
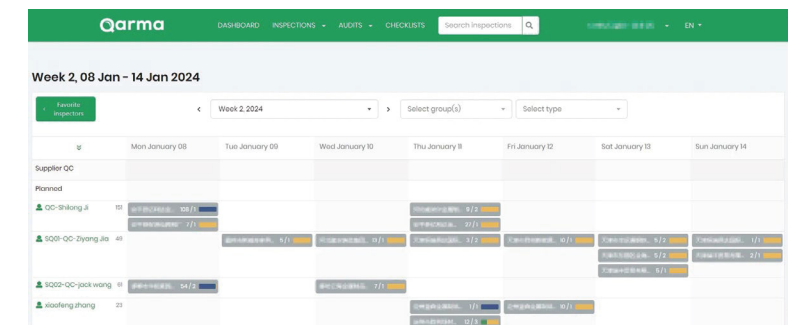


Quality Assurance

Digital Quality Inspection System: QARMA

At AYA Fasteners, we prioritize quality and safety performance in every product we deliver. To uphold our commitments to quality, we have integrated the advanced digital quality inspection tool, **QARMA**, into our manufacturing process.

By incorporating **QARMA** into our quality inspection process system, AYA Fasteners ensures our product's ability to maintain and uphold the highest standards across all stages of production, delivering visible quality and performance to our customers.

The screenshot shows the QARMA dashboard for the week of January 8 to 14, 2024. It displays a calendar view with inspection activities for various suppliers and products.

Supplier	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li
Planned	Planned	Planned	Planned	Planned	Planned	Planned	Planned
QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li
QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li
QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li	QC-Shuang Li