

bauma CHINA 2026: 7 Filter-Sourcing Checks for Heavy Equipment Buyers | ZhuoChen

Certificate of Registration



This is to certify that the Quality Management System of:

Zhejiang Zhongli Auto Parts Technology Co., Ltd.

Building B, No. 345, Huang Street, Nanxiongshan Sub-district, Lianhuo District, Taizhou City, Zhejiang Province, China
(IATF 16949:2016)

applicable to:

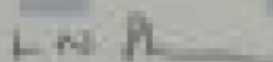
The manufacture of plastic injection moulded parts under 1kg, fuel filters, air filters

Has been assessed and registered by NQA, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 1TX, UK against the provisions of:

IATF 16949:2016

(Clause 8.3 product design of IATF 16949:2016 is partially excluded)

This registration is subject to the company maintaining a quality management system to the above standard, which will be monitored by NQA.


Managing Director



Registration of the IATF 16949:2016 system into force is hereby confirmed for issuance

NQA Certificate No.	188281
IATF Certificate No.	8086082
First Issue Date	02 February 2018
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Version	1



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Issue 1

Wenzhou, Zhejiang Sep 10, 2026 ([IssueWire.com](https://www.issuewire.com)) - *Meet ZhuoChen at Hall W1, Booth W1.752 to compare application fit, product-specific test evidence, manufacturing controls and OEM/ODM supply capability*

DATE

24-27 November 2026

VENUE

Shanghai New International Expo Centre

LOCATION

Hall W1 | Booth W1.752

Why bauma CHINA 2026 Is Worth a Procurement Visit

bauma CHINA is a benchmark trade fair for Asia's construction-machinery industry. In 2026, its new 'One Show, Two Venues' format is expected to bring together more than 4,000 exhibitors across 400,000 m². ZhuoChen will exhibit at the Shanghai New International Expo Centre (SNIEC) from 24 to 27 November 2026.

SNIEC connects construction vehicles, earthmoving and road machinery, mining and raw-material processing equipment with fluid technology, power-generation units, wear parts, and test and process-control engineering. Filter buyers can therefore discuss a part number alongside the actual machine, duty cycle and service conditions behind it.

One visit, four procurement outcomes: see technology trends, review field problems, compare product-specific evidence, and shortlist complete-filter and plastic-component suppliers.

A heavy-equipment filter can match an OE or cross-reference number and still be unsuitable for the actual machine, duty cycle or service environment. Dust loading, water contamination, pressure pulsation, vibration, temperature, seal compatibility and maintenance intervals all affect field performance.

The seven questions below help importers, distributors, private-label brands, fleet-maintenance groups and equipment-parts buyers move beyond catalogue claims and compare application knowledge, validation evidence, production controls and long-term supply capability.

Turn your visit into a working sourcing session: before visiting Booth W1.752, send 10-20 current, high-volume or difficult-to-source references, plus any OE numbers, drawings, samples, annual volumes and field complaints.

1. Can the Supplier Confirm the Exact Machine, Engine and Installation?

Cross-reference data identifies possible replacements; it does not complete application approval. The supplier should confirm the machine or vehicle, engine, filter location, rated flow and operating conditions, then review mounting threads, sealing diameters, envelope dimensions, bypass or anti-drainback functions and any drain, heater, priming-pump or sensor interface.

Useful evidence includes:

- the OE number and all proposed cross-references, with unresolved conflicts identified;
- a controlled drawing or dimensional comparison covering critical sealing and mounting features;
- a sample comparison when the drawing or application record is incomplete;
- a documented agreement on who is responsible for final machine validation.

2. Does the Product Range Match the Equipment's Filtration Systems?

Construction, mining and off-highway equipment may use several different filters: engine-oil filters, diesel fuel filters and fuel/water separators, primary and safety air elements, hydraulic return or pressure filters, transmission filters and crankcase ventilation elements. A supplier should identify the function and failure risk of each product instead of applying one generic specification across the range.

For multi-category programmes, buyers should also check whether complete filters, metal assemblies, filter elements, plastic housings, caps, transparent bowls, drains and sensor interfaces can be coordinated under controlled drawings and compatible revisions.

3. Are Performance Claims Supported by Product-Specific Test Evidence?

A micron value, pressure rating or service-life statement is incomplete without the test method, flow rate, test fluid or dust, product number, construction revision, acceptance criteria and result. The relevant method changes with the filter type, and a laboratory method does not create a universal pass/fail grade unless the customer defines one.

Filter category

Relevant examples

What the evidence should show

Fuel

ISO 19438:2023; ISO 16332:2018; SAE J905; SAE J1839

Particulate efficiency, contaminant capacity, pressure drop, water separation or integrity under the stated method and conditions.

Lubricating oil

ISO 4548 series, including ISO 4548-12:2017

The specific performance, valve, integrity or durability characteristic covered by the selected part of the

series.

Hydraulic

ISO 16889:2022; ISO 2941:2009

Multi-pass filtration performance and, where required, collapse/burst pressure of the filter element.

Engine air

ISO 5011:2025

Air-cleaner restriction, dust capacity and efficiency for the stated configuration and test conditions.

Important distinction: ISO 19438 evaluates particulate removal, contaminant capacity and differential pressure for fuel filters; it does not prove water separation. SAE J1839 addresses undissolved coarse water droplets and should not be presented as a fine-emulsion or dissolved-water test. Product validation must also be distinguished from routine batch inspection.

4. Have Structure and Materials Been Validated for the Duty Cycle?

Heavy-equipment applications may expose filters to high dust concentration, vibration, temperature cycling, long operating hours, variable fuels and hydraulic fluids, pressure pulsation and demanding transport conditions. Validation should therefore reflect the actual installation rather than a generic 'heavy-duty' label.

Depending on the product and application, buyers may request:

- leak, proof-pressure, hydrostatic-burst, collapse and pressure-pulsation evidence;
- vibration, thermal-cycle and service-life validation;
- compatibility records for filter media, steel, adhesive, polymer and elastomer materials;
- fit checks for threads, gaskets, end caps, centre tubes, bowls, drains and sensor ports;
- packaging and transport verification for complete filters and transparent components.

5. Does the Quality-System Certificate Cover the Actual Entity, Site and Scope?

ISO 9001 and IATF 16949 are quality-management-system standards. Within the certified scope they can support process control, traceability, supplier management, corrective action and change control; they do not by themselves prove the filtration efficiency, water-separation performance, pressure rating or service life of a specific filter.

Buyers should verify the legal entity, manufacturing address, certification body, current validity, certified products and any exclusions. Certificates and product-performance reports should never be attributed automatically to every affiliated company or production location.

Figure 1. IATF 16949:2016 certificate supplied for Zhongli's Lishui manufacturing site. Validity and scope should be reconfirmed during supplier approval.

Certificate holder and site

ZHEJIANG ZHONGLI AUTO PARTS TECHNOLOGY CO., LTD. | Lishui, Zhejiang, China

Certified scope

Manufacture of plastic injection-moulded parts under 1 kg, fuel filters and air filters

Certificate details

NQA T85381 | IATF 0596302 | USI GHK2ZY | 3 February 2026-2 February 2029

Scope limitation

Clause 8.3 product design is justifiably excluded. Engineering support should be evidenced separately through controlled drawings, reviews and validation records.

6. Can the Supplier Trace Materials, Production and Engineering Changes?

A test report represents a defined sample and revision. Production traceability and change control help keep later batches aligned with the approved condition. Buyers should be able to connect a received product to material lots, component batches, mould cavities, assembly dates and inspection records.

A practical review should cover:

- filter-media specification, polymer grade, steel, adhesive and seal-material records;
- supplier certificates of analysis and incoming-inspection results;
- production-date, mould-cavity and finished-batch identification;
- Process Flow, PFMEA, Control Plan, measurement-system checks and calibration status;
- engineering-change approval, complaint containment and corrective-action records.

7. Can the Manufacturing Network Support the Required Range and Volume?

WENZHOU ZHUOCHEN AUTOMOTIVE INDUSTRY CO., LTD. coordinates OEM/ODM and export programmes through two affiliated manufacturers: WENZHOU LANGDI AUTO PARTS CO., LTD. for complete filters and ZHEJIANG ZHONGLI AUTO PARTS TECHNOLOGY CO., LTD. for filter plastic components. These companies are affiliated, not subsidiaries.

For heavy-equipment programmes, this structure can coordinate complete filters, filter elements, metal assemblies, plastic housings, caps, bowls, drains and related interfaces within one commercial and technical workflow. The exact legal entity, production site, approved drawing, validation plan and control requirements should still be agreed for each project.

25,000+ m²

Combined area of two Zhejiang production bases

350,000/month

Finished-filter capacity

2,000,000/month

Plastic-component capacity

40+

Haitian injection-moulding machines

8,000+

Cross-reference numbers across the wider portfolio

30+

Utility-model patent certificates

These figures demonstrate scale but do not replace product-specific drawings, validation evidence, lead-time commitments or contingency plans.

What to Bring to Booth W1.752

For a productive meeting, buyers can bring or send:

- 10-20 current, high-volume or difficult-to-source filter references;
- OE numbers, current cross-references and target applications;
- drawings, dimensional reports or physical samples where available;
- annual volume, order mix, packaging and target delivery schedule;
- current field complaints, test requirements and acceptance criteria.

What Buyers Can Review with ZhuoChen at the Show

- initial OE and cross-reference matching;
- critical dimension, sealing and interface requirements;
- available product-specific validation evidence and any testing gaps;
- complete-filter and plastic-component sourcing options;
- MOQ, mixed-reference orders, OEM packaging, lead time and development priorities.

Conclusion

A reliable heavy-equipment filter partner should be assessed through connected evidence rather than isolated claims. Application knowledge establishes fit; product-specific testing evaluates defined performance; quality systems support repeatable processes; traceability protects the approved condition; and capacity planning supports long-term supply.

Book a 20-minute sourcing review with ZhuoChen at bauma CHINA 2026 in Hall W1, Booth W1.752. Send your reference list in advance and our team can prepare a no-obligation

preliminary review covering application fit, critical dimensions, available validation evidence, MOQ, lead time and OEM packaging. Use 'bauma W1.752 Meeting' in your email or WhatsApp message and include your preferred meeting time.

Ivan Zhu | Sales Manager

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Reference Sources

- [bauma CHINA 2026 - Official venue and opening hours](#)
- [bauma CHINA 2026 - Official show features and reasons to visit](#)
- [bauma CHINA 2026 - Official SNIEC exhibition sectors](#)
- [International Automotive Task Force - About IATF 16949:2016](#)
- [ISO fuel-filter standards catalogue - ISO 19438:2023 and ISO 16332:2018](#)
- [ISO 4548-12:2017 - Lubricating-oil filter efficiency and contaminant capacity](#)
- [ISO 16889:2022 - Hydraulic-filter multi-pass performance](#)
- [ISO 2941:2009 - Hydraulic-filter collapse/burst pressure rating](#)
- [ISO 5011:2025 - Engine air-cleaner performance testing](#)
- [SAE J1839 - Coarse Droplet Water/Fuel Separation Test Procedure](#)



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Source : WENZHOU ZHUOCHEN AUTOMOTIVE INDUSTRY CO.,LTD

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