

X-DIECASTING TECH

SOURCING | ENGINEERING | COORDINATION

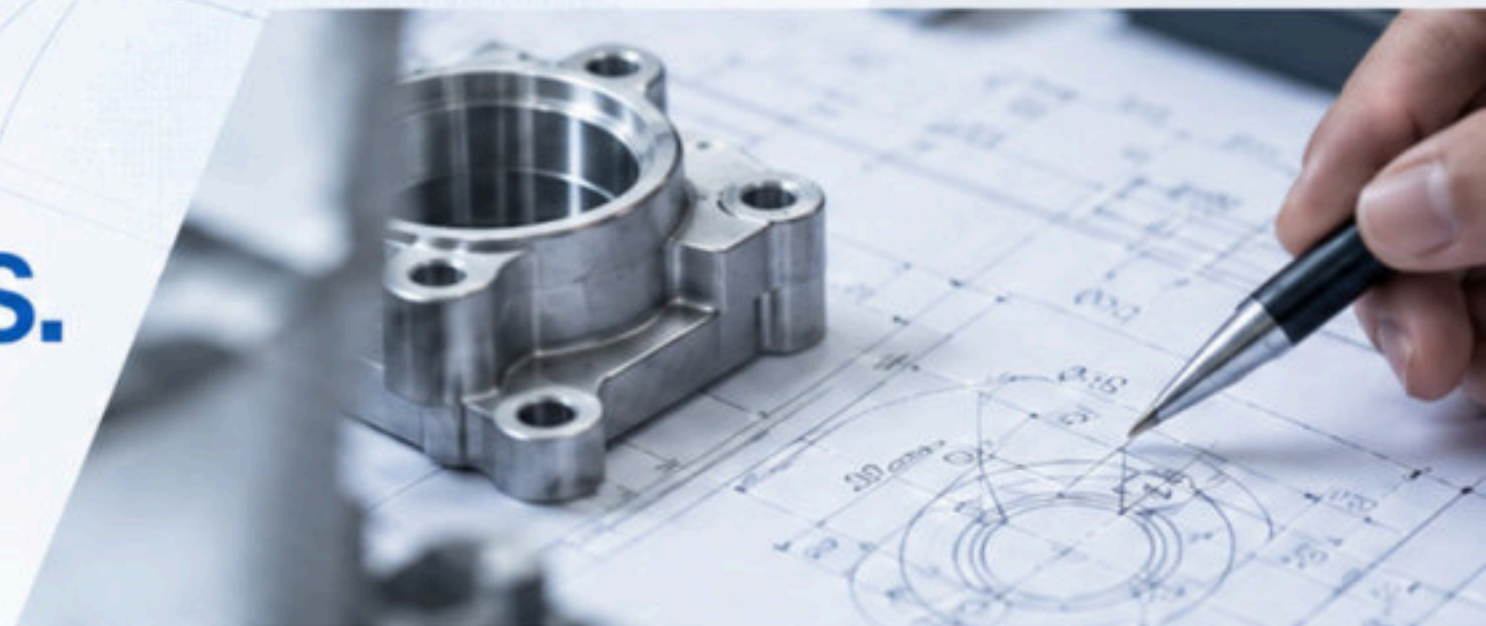
Technical Sourcing Support in China

Buyer-side support for die casting, tooling,
machining and finishing

A practical technical sourcing partner in China
for overseas buyers.

Why Technical Sourcing Support Matters.

Overseas buyers often need more than supplier lists. They need technical judgment, clear communication and disciplined follow-up.

**01**

Supplier Fit Is Hard to Verify

Capability on paper does not always match actual process control, quality systems or mass-production readiness.

02

Samples and Mass Production Can Diverge

Good initial samples do not automatically guarantee stable repeatability in tooling, process control and secondary operations.

03

Communication Gaps Create Delay

Small misunderstandings in drawings, tolerances, finish or change points can lead to rework, delay and avoidable cost.

04

Secondary Processes Add Complexity

Machining, finishing, leak testing and packaging often involve multiple parties and require tighter coordination.

» **X-DIECASTING TECH** helps reduce sourcing risk through supplier evaluation, technical clarification and project follow-up in China.

Where We Add Value.

Typical support scenes across supplier selection, trials and production follow-up.



Supplier Comparison

Compare candidate factories based on process fit, quality systems, capacity and communication—not price alone.



Trial & Issue Follow-Up

Help clarify findings, coordinate technical questions and follow agreed corrective actions with the factory.



Machining & Finishing Coordination

Support alignment between casting, machining and downstream finishing partners when multiple processes are involved.



Production & Delivery Communication

Follow agreed milestones, quality concerns and shipment progress from China with practical communication support.



Project-specific support



Technical communication in China



Buyer-side perspective



Support scope is defined according to the actual project stage and requirements.

How Our Sourcing Model Works.

A direct-factory model supported by technical coordination in China.



Scope agreed
in advance



Fees agreed
in advance



Support tailored
to each project



You contract directly with the selected factory. X-DIECASTING TECH supports communication and project follow-up in China.

Our Sourcing Principles.

The principles behind our buyer-side technical sourcing support in China.



Buyer-Led Supplier Selection

You make the final supplier decision based on project fit.



Direct Factory Transactions

Commercial terms and purchase orders are agreed directly with the selected factory.



Project-Specific Technical Support

Support scope is defined according to part, process and project needs.



Transparent Scope & Fees

Responsibilities, deliverables and fees are agreed in advance.



Process Fit Before Price

We compare options based on technical suitability, quality and delivery—not only cost.



Communication & Follow-Up

We help bridge technical gaps and follow agreed milestones in China.

» | A practical, buyer-side model for sourcing tooling, casting, machining and finishing in China.

What We Support & Source.

Core process and material coverage for cast and machined components in China.



Tooling

Die casting dies and replacement tooling components.



High-Pressure Die Casting

Al 180–5,000 t |
Mg 180–3,500 t |
Zn 5–500 t.



Gravity Casting

Selected aluminum mechanical and fluid-handling parts.



Low-Pressure Casting

Wheels, housings and structural components.



Semi-Solid Forming

Lightweight aluminum and magnesium parts.



CNC Machining & Surface Finishing

Machining, drilling, tapping, anodizing, plating, painting and more.



Project-specific support for tooling, casting, machining and finishing.

Process selection is matched to part geometry, material, volume and quality requirements.

Manufacturing Partner Network.

We compare and coordinate specialized Chinese manufacturing partners according to process, quality, delivery and project requirements.

100+

Tooling

200+Die Casting &
Machining**50+**

Gravity Casting

60+Low-Pressure
Casting**20+**Semi-Solid
Forming

Category counts are process-based and are not additive.

Quality & Inspection Evidence

**CMM**Dimensional
verification**X-ray / CT**Internal defect
checks**Optical 3D Scanning**CAD comparison and
full-shape measurement**OES**Alloy composition
verification**Leak Testing**Pressure / helium /
differential pressure
methods as required**Microscopy**Surface and micro-feature
observation**X-DIECASTING TECH**

You contract directly with the selected factory. X-DIECASTING TECH supports technical communication and project follow-up in China.

Quality & Inspection Evidence.

Typical records and checks reviewed with selected manufacturing partners.



Dimensional Inspection

CMM reports, critical-dimension checks and first-article measurements where specified.



X-ray / Industrial CT

Internal-defect assessment for specified areas or quality-risk conditions.



Material Verification

Material certificates and alloy checks such as OES results when applicable.



Leak Test

Air or helium leak-test records according to agreed requirements and sampling plans.



Casting Process Records

Trial findings, key process records and corrective-action follow-up from the manufacturer.



Pre-Shipment & Packaging

Visual inspection, packaging checks and shipment-readiness confirmation within the agreed scope.

» | Inspection evidence is confirmed according to part requirements and project scope.

Support Scope & Engagement.

Practical ways to define support according to your sourcing situation.



Project-Based Support

- Drawing / requirement review
- Supplier comparison and clarification
- Trial or issue follow-up



Ongoing Coordination

- Regular communication support
- Production and delivery follow-up
- Issue escalation in China



Special Arrangements

- Factory visit support when required
- Third-party inspection coordination
- Custom reporting by agreement

What is agreed
in advance



Scope



Deliverables



Fees



Timing



Responsibilities, deliverables and fees are agreed before work begins.

About the Founder.

Production-engineering experience applied to buyer-side sourcing support in China.

Zifu Tan

Founder, X-DIECASTING TECH

Over 20 years of hands-on die casting production-engineering experience at a Japanese Tier 1 supplier, covering production launch, equipment introduction, die and fixture coordination, quality improvement, and supplier support.



Production launch
& stabilization



Equipment
introduction



Die & fixture
coordination



Quality
improvement



Supplier
support



Machining &
finishing follow-up



Chinese / English / Japanese



Buyer-side technical support in China



A practical technical contact in China for overseas buyers sourcing cast and machined parts.

Selected Founder Experience.

Representative projects from the founder's previous career.



Aluminum Housing Leakage Improvement

Supported investigation of leakage sources, coordinated process and quality actions, and helped stabilize production.



Motor Component Cost Reduction

Reviewed manufacturing and sourcing options to improve cost competitiveness while maintaining requirements.



Die Casting Tooling Life Improvement

Addressed tooling-related production issues and supported measures to improve die stability and service life.



These are anonymized examples from the founder's previous career. Customer and product details are omitted for confidentiality. They are not presented as X-DIECASTING TECH client cases.

Starting a Project.

What to share, what we can discuss, and how to contact us.

01

What to Share

- Drawing, sample or product photo
- Material and expected volume
- Machining / finishing requirements
- Current sourcing or quality concerns

02

What We Can Discuss

- Suitable process options
- Potential supplier profile
- Required support scope
- Next sourcing steps

03

Contact

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Chinese / English / Japanese

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Start with a brief inquiry.

Support can be discussed even before the final manufacturing route is decided.



Supporting China Sourcing
with Engineering.