BUYER-SIDE TECHNICAL SOURCING — CHINA

China sourcing, done on the buyer's side.

X-Diecasting Tech is an independent technical sourcing practice for die-cast components and tooling. We help overseas manufacturers find, evaluate and manage suppliers in China — and we work only for the buyer.

PRACTICE	Technical sourcing & project management for overseas buyers
SCOPE	Die-cast parts in aluminium, zinc & magnesium · tooling · machining & finishing
LANGUAGES	English · Japanese · Chinese

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01 WHAT WE DO

The work, in plain terms

Buying castings from China rarely fails on price. It fails on drawings that were misunderstood, trials nobody attended, and quality checked only after the goods have shipped. Our work is to close those gaps — before they cost money.

SOURCING SCOPE

Die casting — HPDC / LPDC
Components in aluminium, zinc and magnesium

Gravity casting
Aluminium components for lower volumes

Tooling
Die-casting moulds and trimming dies

Machining & finishing
CNC machining, surface treatment, sub-assembly

WHAT WE HANDLE

1. **Supplier search & evaluation**
   Shortlists based on equipment, process and track record — visited in person.
2. **Drawing & DFM review**
   Casting risks flagged before quotation, not after tooling.
3. **Tooling & trial follow-up**
   Mould progress tracked; trials attended on site.
4. **Production & delivery control**
   Quality and schedule followed through mass production.
5. **Pre-shipment checks**
   Parts inspected before they leave the factory, not after arrival.

HOW A PROJECT RUNS

1	2	3	4	5
Enquiry	**DFM review**	**Supplier selection**	**Tooling & trials**	**Production**
Drawings, volumes, target timing	Feasibility and risks, in writing	Audited options, honest comparison	Followed and attended on site	Quality, delivery, shipment follow-up

02 HOW WE JUDGE

How we judge a factory

A supplier list is easy to buy; judgement is the actual product. Every factory we put forward has been visited and checked against the criteria below — the same ones we applied inside Tier-1 production.

1 **Equipment fit**
Machines, furnaces and automation matched to the part's size, wall thickness and volume — not just a long machine list.

2 **Quality system**
Inspection equipment, defect records, and what actually happens to non-conforming parts.

3 **Tooling capability**
In-house mould making and repair, or a proven tooling partner — and moulds that are maintained, not just stored.

4 **Trial discipline**
Whether trials are run to prove the process, or merely to produce samples that pass.

5 **Process control**
Documented parameters for melting, injection and cooling — and records showing they are followed.

6 **People & stability**
Who runs the floor, how long they have been there, and a business stable enough to hold your tooling for years.

SCOPE IN DETAIL

PROCESSES	HPDC · LPDC · gravity casting · CNC machining · surface finishing
MATERIALS	Aluminium (incl. ADC12 / A380) · zinc · magnesium
TYPICAL PARTS	Motor housings · pump & valve bodies · structural parts · heat sinks · covers

If a factory fails on any one of these points, we say so — and keep looking. A short shortlist you can trust is worth more than a long one you cannot.

03 PRACTICALITIES

Timelines, fees, and first steps

TYPICAL TIMELINES — FROM DRAWING APPROVAL

New tooling — simple moulds	**5–6 weeks**
New tooling — larger or complex moulds	**7–8 weeks**
First samples after tooling	**1–2 weeks**
Mass production run	**3–4 weeks**

Indicative ranges for typical aluminium die-cast parts. Your binding schedule is confirmed in writing after the DFM review — and then reported against as the project runs.

HOW WE CHARGE

Style A — agent
A service fee agreed in writing before work begins — fixed, or a percentage of order value — paid in stages tied to project milestones. The final instalment falls due only after the project is completed and checked. We receive nothing from factories; our income comes only from you.

Style B — purchasing
One quoted price from us, covering the parts, our management and the delivery arrangements. No separate fee, nothing added later — and nothing received from factories.

WHAT TO SEND FOR A FIRST LOOK

- 2D drawings (PDF) and 3D data (STEP), if available
- Material, surface finish and any coating requirements
- Volumes — the first order, and the expected annual quantity
- Target timing, and the quality documentation you will need

Drawings are shared with a factory only with your permission.

04 WORKING WITH US

Two ways to work with us

STYLE A

Technical sourcing agent

You contract directly with the factory. We act as your technical office in China — evaluating suppliers, following the project and reporting to you.

Suits buyers who want direct factory terms and full cost transparency.

STYLE B

One-stop purchasing

You contract with us; we contract with the factory. Ordering, payment, quality and delivery sit with one counterparty — us.

Suits buyers who prefer one contract and one payment. Arranged case by case.

OUR PRINCIPLES

Buyer-side only
We never act for the factory, and we are tied to no supplier.

Bad news early
Progress and problems are reported as they are — promptly, not polished.

On site, not on email
Trials and quality checks are attended in person, at the plant.

Engineering first
Advice is checked against drawings, process and cost before it reaches you.

> X-Diecasting Tech was founded by Tan Zifu, a die-casting engineer with nearly twenty years in production and technical roles at Tier-1 suppliers to the Japanese automotive industry. The practice is deliberately small: every project is handled by people who have stood at a casting machine themselves.

COMPANY OUTLINE

COMPANY	X-Diecasting Tech
BUSINESS	Buyer-side technical sourcing — die-cast parts & tooling
BASED IN	Guangzhou, China
LANGUAGES	English · Japanese · Chinese
CONTACT	service@x-diecasting.com · +86 134 2211 6606 · www.x-diecasting.com

Send us the drawings — the first conversation costs nothing but an email.